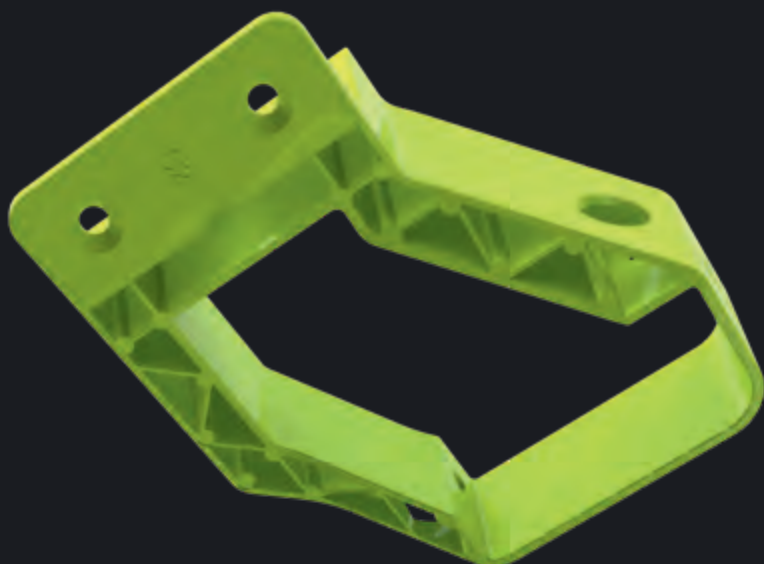erfi
enjoy your work

elneos®
connect

Award-winning complete solutions for electronics laboratories, training centers, production and assembly plants.

elneos® connect

The new laboratory furniture and assembly workstation system.

enjoy your work!

This is our motto – because workplace systems, measuring and testing devices and test systems for electrical safety and function are our passion and our product world.

As the market founder of electronic laboratory equipment for industry and education and a manufacturer with unparalleled vertical integration, we stand for the highest standards and individual solutions. With our *elneos connect* workstation and furniture system, we offer innovative practicality and safety – **the lifetime experience!**

Our new customer center

We have been successfully developing and producing our products in Freudenstadt for 70 years. Thanks to our high level of vertical integration in furniture construction and electronics, we have unique expertise in Industry 4.0 standards.

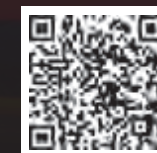You can experience all of this directly on site in our new customer center.

We also offer interested parties the opportunity to visit the showroom virtually via a digital twin.

We look forward to your visit!

Visit our customer center in Freudenstadt with 1.100 m² of exhibition space in conjunction with a production tour.

On site: Please make an appointment by calling +49 7441 9144-404 or by e-mail: kc@erfi.de

Or online: Click on our homepage: www.erfi.de or directly into the virtual customer center.

elneos® connect

the lifetime experience

erfi

elneos® connect
the lifetime experience

On more than 11,000 m², we produce all technical workplace systems, electronic devices, measuring and testing devices, test systems for electrical safety and function as well as didactical systems for you at our main site in Freudenstadt.

Our particularly great in-house production depth in furniture and electronics is a guarantee for consistent high quality standards. All manufacturing steps are subordinated to the principle of production according to the Industry 4.0 approach. Our manufacturing expertise ranges from cutting to size, edging with laser technology, CNC free-form milling and drilling as well as the entire metal construction in furniture production to circuit board assembly, device construction and the electrification of complete laboratory, workplace and test systems.

The in-house manufacturing expertise we have acquired distinguishes us considerably. We are always one step ahead in product innovation and our solutions have been recognised by prestigious design awards since 1980.

The technologically advanced workplace and furniture system *elneos connect* is characterized by comprehensive innovations and safety.

elneos connect offers maximum flexibility thanks to its base profile, the L-aluminum profile, which can accommodate additional profiles for different applications. Among other things, the sophisticated profile system allows for the accommodation of extensive cabling, quick adjustment of the working height, and connection to a table-spanning bridge for device mounting.

All this is made possible by the so-called connector. It connects the frame construction to the table and frees the profiles from their pure supporting function. The connector enables homogeneous and uninterrupted media routing.

The biodynamic workplace lighting from *elneos connect*, which can be adjusted in brightness, light color, and angle, is a highlight thanks to further improved RGB LED technology and sensory color coding. It automatically adapts to the human biorhythm. In addition, *elneos connect* can be equipped with a completely newly developed indicator light that can dynamically display the table status and/or measured values in different colors.

reddot design award
winner 2013

iF product design award
2014 ■

German Design Award
WINNER 2022
WINNER 2014

Focus Open 2013
Silver

erfi

elneos® connect Base Table

Laboratory workstations for industry and education in simple
to highly complex design for all requirements.

ESD Base Table elneos® connect

Equipment highlights

- Expand Profile 1 (vertical)
- Worktop ergo-line (corner radius 20 mm, laser edge)
- Integrated cable flap and cable tray
- Roller container with touch-to-open technology
- Connector in standard colour green* RAL DESIGN 1107070

* More colors page 40.

elneos®connect in Electrotechnical Laboratory

ESD Electronics Lab Workstation elneos® connect

Equipment highlights

- Integrated cable flap and cable tray
- Integrated and biodynamic RGB LED light with BT and HCL function
- RGB Indication Light in storage board

More features

- Expand Profile 1 (vertical)
- 19-inch/ 3 U device cockpit with device system *elneos five* for dual power supply, digital multimeter and function generator
- Roller container with touch-to-open technology

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ESD Electronics Lab Workstation elneos® connect
with elneos® Orgatower
Equipment highlights

- Worktop ergo-line (corner radius 20 mm, laser edge)
- Expand Profile 1 (vertical)
- RGB indicator light on storage board for status display
- Integrated cable flap and cable tray

More features

- 19-inch / 3 U device cockpit and storage board with *elneos five* device system for power supply unit, digital multimeter and function generator
- Integrated biodynamic RGB LED light with BT (Bluetooth) and HCL function (Human Centric Lighting)
- *elneos Orgatower* with drawers and pull-out shelf for measurement technology

Electronics Lab Workstation elneos® connect
Equipment highlights

- erfi-Bridge (*green) with device system *acto*
- Electromotive height adjustment
- Front table edge with new Tech Edge alu-line and comprehensive laser edge
- Integrated cable flap and cable tray
- 19-inch / 3 U device cockpit made of aluminum
- Invisibly integrated RGB LED light
- Full width RGB Indication Light

Cockpit equipment elneos® six

- Slide-in unit 3U / 56 HP for 1-phase AC source
- Universal plug-in units for further DC sources, digital multimeters, power meters, function generators as well as arbitrary generators
- Control center to accommodate all devices except AC sources with 8-inch multi-touch display, 3D gesture control and voice control
- Plug-in unit 3 U / 95 DU for 3-phase AC source with intelligent ring socket illumination incl. function labeling
- Insert plate Connect with all device interfaces such as USB A and USB B, LAN, 10 digital outputs and 8 digital inputs

14 | elneos® connect

* erfi bridge in green as optional equipment and connectors in green as standard.

elneos® connect | 15

erfi

ESD Electronics Lab Workstation elneos® connect

Equipment highlights

- erfi-Bridge (*green) with device system *acto*
- Electromotive height adjustment
- Front table edge with new tech-edge alu-line and comprehensive laser edge with permanent zero joint
- Integrated supply terminal in the table top
- 19-inch / 6 U equipment cockpit 10° inclined
- Allround multifunctional pull-out (cable drawer)
- Invisible RGB LED light
- RGB Indication Light across the width of the lab bench

Cockpit equipment elneos® six

- Control center *elneos six*
- Plug-in units in 3/6 U for 1- and 3-phase AC sources
- Two universal slide-in units 3 U / 63 HP for additional DC sources, digital multimeters, power meters, function generators as well as arbitrary waveform generators.
- Plug-in unit 3 U / 14 HP for additional digital multimeters, power meters, function generators as well as arbitrary waveform generators which are not integrated in the control center for space reasons.
- Insert plate with encoders as well as second Airwheel
- Connect insert plate with all device interfaces such as USB A and USB B, LAN, 10 digital outputs and 8 digital inputs.

* erfi bridge in green as optional equipment and connectors in green as standard.

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elneos® connect
Assembly and Testing

ESD assembly workstation elneos® connect

Equipment highlights

- Electromotive height adjustment
- Storage board top and bottom
- Aluminum functional profile top with stopper edge
- Horizontal aluminum profile with material trays
- Connectors in the third level

More features

- Expand Profile 1 (vertical)
- Front table edge with Tech Edge alu-line
- Integrated cable flap and cable tray
- RGB LED light with BT and HCL function
- RGB Indication Light at the storage board
- Roller container with touch-to-open technology

1. Software controlled ESD assembly workstation elneos® connect

Equipment highlights

- Transfer system elneos fix with ball roller conveyor
- Electromotive height adjustment for feeding table, assembly table and at the same time completely height adjustable test components
- Ergonomically curved worktop with laser edge
- Equipped with the Software *AWM[1]*

More features

- Mounting cantilever with rail and trolley
- Partially inclinable shelf boards
- Aluminum profile with screen holder and PC
- RGB LED light with BT and HCL function
- RGB Indication Light on the storage board
- Roller container with bow handles and Smart-Close

2. ESD test workstation elneos® connect with VDE testing system CANclass®

Equipment highlights

- Test cabin with CANclass Compact Tester for checking electrical safety electrical safety and function[2] including *Candy* test software
- RGB Indication Light on top of test booth for good/bad indication
- Scanner including QR code scanner

3. ESD assembly workstation elneos® connect with elneos® Orgatower

Equipment highlights

- Pull-out material trays
- Perforated plate wall above and below the table
- elneos Orgatower extendable with drawers and pull-out shelf for measurement technology

More features

- Worktop ergo-line (corner radius 20 mm, laser edge)
- Storage board with lockable cable drawer
- Aluminum profile with screen holder and all-in-one PC
- Integrated RGB LED light with BT and HCL function
- Equipped with *AWM[1]* software
- RGB Indication Light at bottom edge of cable drawer

[1] AWM – Assembly Workflow Management for flexible assembly work and paperless manufacturing

[2] High voltage, insulation, protective conductor, and leakage current testing

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ESD test workstation elneos® connect with VDE testing system CANclass®

Equipment highlights table left

- Electromotive height adjustment
- Front table edge with Tech Edge alu-line
- Test hood for large test specimens
- 19-inch base cabinet with CANclass device system for testing electrical safety and function[1] incl. testing software *Candy*

Equipment highlights table right

- erfi-Bridge*, equipped with device system *acto*
- Electromotive height adjustment
- Horizontal aluminum profile with material trays
- Flat screen holder with all-in-one PC

More features

- Front table edge with Tech Edge alu-line
- 19-inch/ 3 U device cockpit with device system *elneos five* for power supply, digital multimeter and function generator
- Integrated RGB LED light with BT and HCL function
- RGB Indication Light at cockpit bottom edge

erfi

elneos® connect
in Training

Training workstation elneos® connect
Equipment highlights

- Safety gas connection fitting with shut-off device for natural gas and LPG *(basic)*.
- Control center *elneos six* for simultaneous inclusion of all device groups except AC sources with 8-inch multi-touch display, 3D gesture and voice control
- Safety and switching unit *(basic)*
- Front table edge with Tech Edge alu-line
- 10° inclined 19-inch / 3 U tabletop design
- Integrated RGB indicator light across the entire width of the lab bench
- Vertical Expand Profile 2 equipped with *acto* device system (green insert plates), below the table top and above the table superstructure

More features

- Compressed air unit *(basic)*
- Suspended container infinitely variable to the left and to the right
- Two DIN-A4 experiment frames for holding DIN-A4 teaching aids
- Two all-in-one PCs with 23-inch touch screen and monitor holder as well as
- Room control software *highlink Power*
- Socket panels *(basic)*

* Vertical expansion profile 2 in green as optional equipment.

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Training workplace elneos® connect

Equipment highlights

- Control center *elneos six* compact vertically integrated with DC power supply, digital multimeter and function generator.
- Front table edge with Tech Edge alu-line
- Expand 2 expansion profile (vertical) equipped with *acto* device system (anodized insert plates) on the left and right below and above the table top
- TechCube for integration of DC and AC power amplifiers
- Inclinable storage board incl. cable tray underneath
- Invisibly integrated RGB LED light

More features

- Suspended container with one drawer incl. electronic central locking, infinitely variable to the left and to the right
- Mobile pedestal (underneath suspended pedestal) incl. electronic central locking system
- One DIN-A4 experimental frame to hold DIN-A4 teaching aids
- LED warning light column
- An extension plate that can be mounted on both sides to extend the table
- An all-in-one PC with 23-inch touch screen and monitor holder
- Socket panels and emergency stop *(acto)*

ESD training workstation elneos® connect
Equipment highlights

- erfi-Bridge* equipped with device system *acto*
- Electromotive height adjustment
- Room control software *highlink Power*
- Two flat screen holders with all-in-one PC
- 19-inch / 3 U aluminum device cockpit with device system *elneos five* for double power supply, digital multimeter, function generator and 19-inch device system *basic* with oscilloscope and AC source, among others

More features

- Front table edge with Tech Edge alu-line
- Integrated split cable flap and cable tray
- RGB LED light with BT and HCL function
- RGB Indication Light at cockpit bottom edge
- 1-row DIN A4 experiment frame incl. erfi-didactic teaching aids (basic package)
- Hanging container with bow handles and Smart-Close

Height adjustment

**ESD training station elneos® connect
with swivel body and elneos® Orgatower**

Equipment highlights

• Electromotive swivel table

• Completely blinded with safety monitoring

• elneos Orgatower extendable with 2 compartments
  to hold DIN A4 teaching aids and didactic boards

• 2-row DIN A4 experiment frame, adjustable in depth
  adjustable incl. erfi didactic teaching aids
  (automation, control engineering, building automation)

More features

• Two continuous Expand profiles
  equipped with unit system *acto*

• Front table edge with Tech Edge alu-line

• 19-inch / 3 U swivel channel with device system
  elneos five for power supply, digital multimeter,
  function generator as well as device system basic

• Roller container with touch-to-open technology

erfi

elneos® connect in Monitoring

elneos® connect control station
Equipment highlights

- Electric motor height adjustment
- Electric motor foldable structure
- Horizontal and vertical cable ducts and cable drag chain for neat cable routing
- Base cabinet with front ventilation grilles and rear storage space for PCs
- Highly stable mobile frame

Additional features

- Horizontal mounting rails for 4 monitors
- Horizontal expansion profile 2 on the tabletop
- Side panels

Fig. 1: Control station from behind with doors open to accommodate switch, PC, etc.

Fig. 2: Control station completely folded up.

Fig. 3: Control station fully extended.

erfi

1. The Cockpit

The device cockpit is particularly lightweight due to its aluminum profiles mounted at the top and bottom. It is extremely flexible for the attachment of system components.

2. The Lighting

Indication Light and workplace lighting with high-performance RGB LEDs – optionally with BT (Bluetooth) and HCL function (Human Centric Lighting). The workplace lighting provides optimum illumination and, with BT/HCL function, light adaptation to the human biorhythm. The Indication Light shows the table states.

Flexible and Safe

3. The Connector

The central design and connector element of the furniture system is a decisive advantage for media guidance on the inside of the table. The Connector connects the table leg and frame construction, thereby guiding media of all kinds.

4. The Tech Edge alu-line

A newly developed, compact aluminum core with a highly robust plastic coating enables completely new functions. Two grooves accessible from below allow perfect connection of vices and a collecting channel prevents small parts from falling.

5. The erfi-Bridge

By intelligent combination of the Expand-profil 2 a continuous media channel is created – the erfi-Bridge. It enables the continuous installation of devices vertically and horizontally.

6. The Profiles

The innovative profile system of *elneos connect* is flexible, modular, economical, resource-saving and striking in form and effect.

7. The Frame construction

Due to a 40/40 aluminum profile, this frame construction is very light with maximum stability and flexibility. A intelligent groove technology ensures free configurations at any time and stepless table leg adjustment.

8. The Container

The *elneos connect* container program offers the touch-to-open technology. A special chassis with large rollers ensures maximum stability. In addition, roller containers can be converted into suspended containers at any time and, of course, vice versa.

The Connector

Highly stable and intelligent – The central and stabilizing component between table leg and frame is the connector. It includes the L-profile and other innovative profiles, which allow all kinds of media to be guided between the table frame and the table leg.

The Connector allows the table top to float and at the same time gives the system a very high stability. The table legs can be moved continuously in depth and adjusted in height as standard. The connector enables a surface load of several 100 kilograms in the system.

The Connector

Stable centerpiece for continuous media routing

The connector is the central, static structural element of the *elneos connect* laboratory furniture series. It dissipates the high forces via the aluminum table legs and is the connector element between table leg and table frame from the floor to all system components. Media of all kinds can be guided continuously through various additional profiles on the inside. Even the media in the clip profiles (Expand profiles), with a rotating function for opening, are guided by the connector without interruption.

Infinitely variable depth adjustment of the table legs

In combination with the aluminum base, the Connector allows all table legs to be moved steplessly to any depth position. This means that additional persons can be comfortably seated at a work table.

Convertible table base combinations

Due to the stepless adjustment, the table legs can be set to the exact desired dimension. It becomes possible to design 4-leg, C-leg and T-leg tables convertible. A C-foot table easily becomes a T-leg or a 4-leg table and vice versa.

Floating tabletop

The curved shape of the connector makes the tabletop appear to float above the table legs. A significant advantage results from the free table edge, which provides space for, among other things, collecting and tool trays as well as the media guide. In addition, the underbuilt aluminum frame is recessed and housed components do not interfere.

Individual height adjustment of the work surface

The Connector increases ergonomics by enabling an individualized working height due to the stepless vertical adjustment of the L-profile.

The Connector Colors

Color surfaces of the connectors with new color indicators

elneos connect also sets new standards in terms of color. The color indication is taken over by the connectors. The innovative connectors are powder-coated in a fresh and modern shade of green as standard according to the RAL DESIGN system (No. 1107070).

Holistic color indication: green – white – black – chromed

Not only the *elneos connect* furniture system is given a modern look by the color indication. The *elneos five* device system and the new *elneos six* also impress with a consistent, user-friendly interface, which is kept in the fresh color indication in many areas.

The color scheme and fine color coordination between the laboratory furniture and equipment system played an important role in the development. Due to the simultaneous development of both systems, the color scheme was coordinated. The color-indexed surfaces of the connector lend each piece of furniture its individual character without being obtrusive. The anodized extruded aluminum profiles of *elneos connect* complement the restrained character of the overall system.

The available colors pure white (RAL no. 9010) and graphite black (RAL no. 9011) are also found in the device area, so that a perfect unit is formed with each color. For the communicative office-business area, a high-gloss chrome-plated version is available.

Desired colors

On request, the connectors can be supplied in corporate colors so that an individual appearance can be maintained.

Standard colour elneos-green
(RAL DESIGN 1107070), Order no. ELCC1

Alternative colour pure white
(RAL 9010), Order no. ELCC2

Alternative colour graphite black
(RAL 9011), Order no. ELCC3

Alternative colour bright
chrome-plated, Order no. ELCC4

The Profiles

Light and functional – The *elneos connect* furniture series with its sophisticated aluminum profile system offers completely new combination possibilities. The basis of the profile system is the L-profile. This basic profile is supplemented with other profile shapes, the Expand Profiles and the Telescopic Profile for table height adjustment, giving *elneos connect* absolute flexibility and freedom.

Device system acto

*L-profile with Expand Profile 2,
front panel and device system acto.*
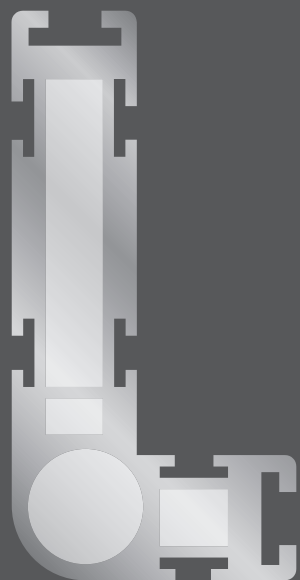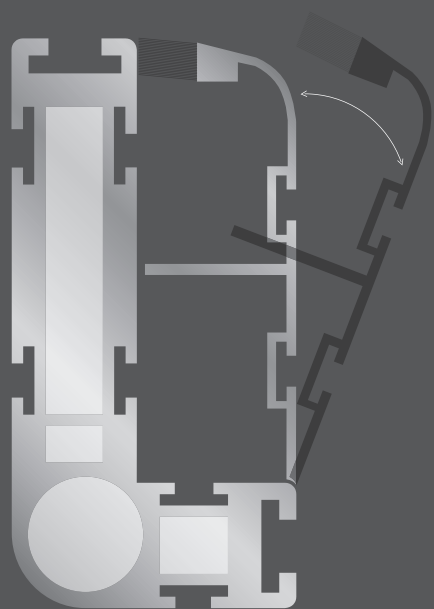
L-profile

*L-profile with fold-out
Expand Profile 1*
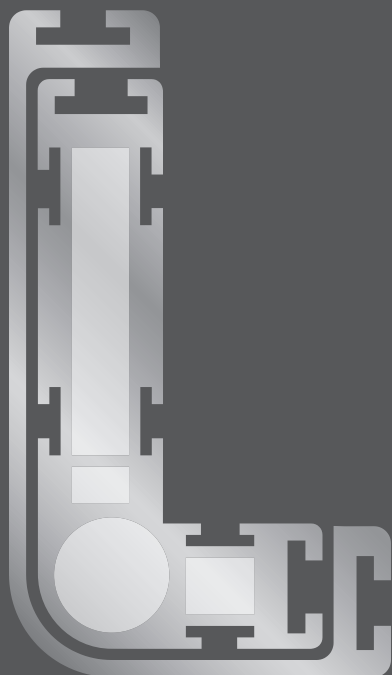
L-profile with Telescopic Profile
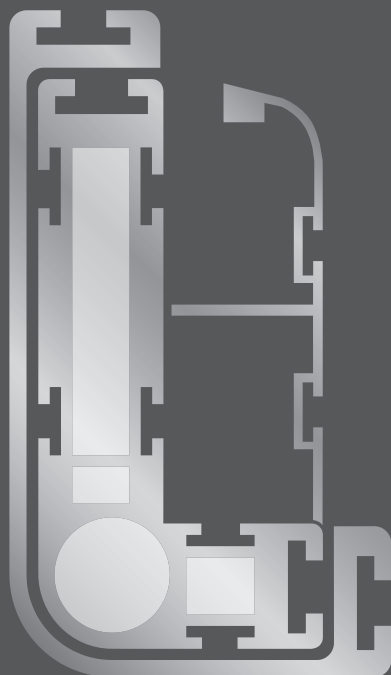
*L-profile with fold-out
Expand Profile 1 and Telescopic Profile*
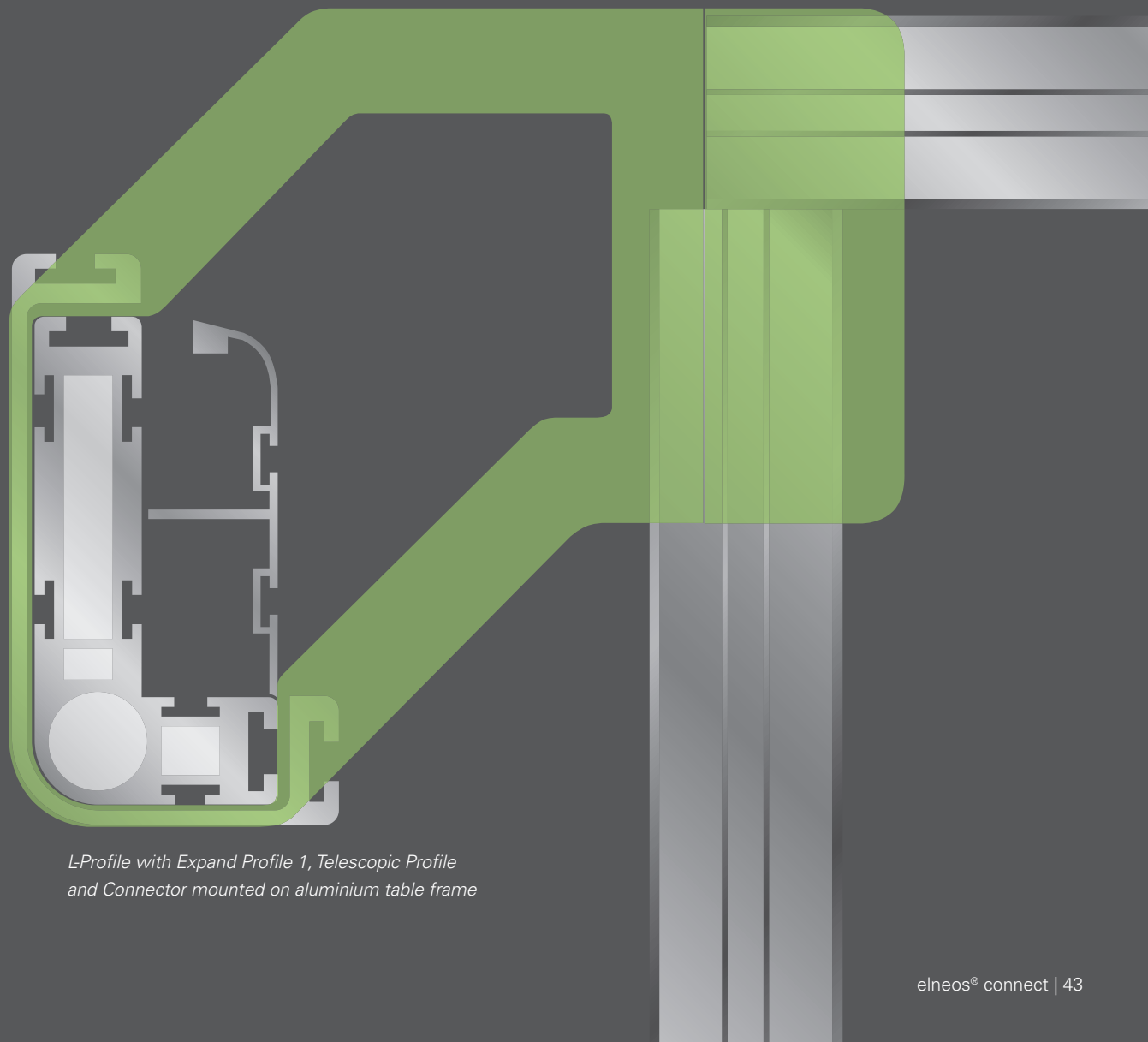
*L-Profile with Expand Profile 1, Telescopic Profile
and Connector mounted on aluminium table frame*

The L-Profile

The basis of the entire profile system is an aluminum profile base, which is shaped in L-shape. Due to its shape, this profile has two legs, which in turn can accommodate different profiles. All so-called Expand Profiles and the Telescopic Profile are designed for the for mounting on the inside and out-side of the L-profile and provide the and give the profile system numerous extension possibilities.

Long leg
The long leg has two cable chambers through both of which data and power data and power lines as well as compressed air lines can be routed through both. A round chamber is also used to accommodate hydraulic cylinders for height-adjustable tables. for height-adjustable tables. In addition, the long leg can accommodate a foot height adjuster to compensate for uneven floors, and an additional as well as an additional hollow chamber to accommodate pins for profile extension.

The leg has five T-slots, one of which is located on the face of the L-section. face of the L-section. Two grooves are located on the outside and inside of the profile and allow the connection of further profile system other profile system components. A clip groove on the inside of the clip groove on the inside of the profile is used to snap in a pivoting aluminum channel. This aluminum profile is shaped so that it is flush with the overall shape of the L.

Short leg
The short leg has a T-slot on each of the three open sides. Grooves on each of the three open sides, and a spigot for profile extension can be inserted.
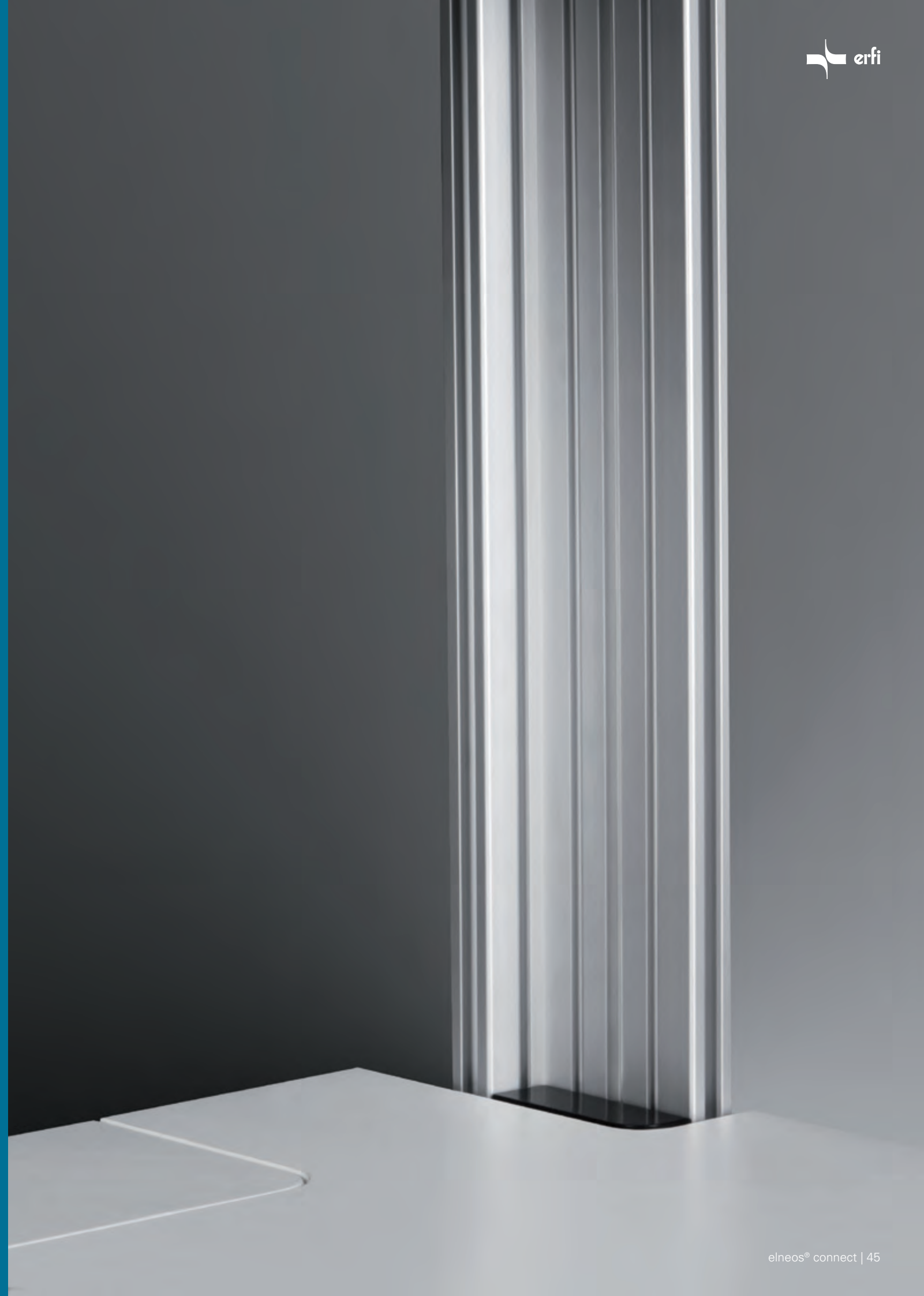
The Expand Profile 1

One of the many possible additions to the L-profile by *elneos connect* is the Expand Profile 1. this profile is clipped onto the inside and can be swung open at any time by means of an intelligent rotary hinge. This is an aluminum profile for the further accommodation of cables and small electrical devices such as data sockets or compressed air couplings. In addition, the profile has two T-slots on the inside, which in turn allow any system components to be accommodated. Socket strips can be easily mounted on the inside.

Useful addition to the L-profile
When the Expand Profile and the L-profile are closed, the entire base does not show its inner complexity. The Expand Profile 1 can be easily opened and closed again and again by means of a supplementary rotary profile, which performs the function of a hinge. When closed, it forms a closed chamber together with the L-profile and its structure provides two additional chambers. The front chamber has a brush strip on the front side so that measuring cables, data lines or power lines can be fed to the user elegantly and without pinch points on the front side. An integrated separating bar inside the profile means that the chambers guarantee safe separation of different media.

Ingenious flexibility
1. Uninterrupted media routing on the inside of the table.
2. The connector allows this Expand Profile to be opened.
3. The Expand Profile can be mounted continuously or separately.

The Expand Profile 2
Vertical

As an alternative to Expand Profile 1, a larger profile can be applied to the inside of the L-profile – Expand Profile 2. This profile is used to integrate electrical devices with a greater installation depth, such as safety and switching units, sockets or generators. The profile can be attached to the L-profile on one or two sides. Vertical use means that horizontal superstructures or cockpits can be partially dispensed with. The profile is large enough to accommodate deeper components such as 3-phase circuit breakers or motor protection switches. The components are therefore always accessible and do not have to be installed in cable trays.

Use in the vertical

The profile has 6 T-slots, four of which face outwards and two inwards. The profile is open at the front and can accommodate devices of the *acto* series. The 45° mounting angle keeps the installed devices in an ergonomic position for the user. On the front side, a groove forms the receptacle for a 19-inch threaded strip to which the insert plates are screwed. The inner grooves are used to accommodate top-hat rails, sockets, connectors or electrical installation material.

Three spaces in one profile

Internal grooves can be used to fit several separating surfaces, creating up to three separate rooms. These spaces carry media without crosstalk and without affecting the overall installation depth.

Lateral connection of system components

The profile is formally designed in such a way that, viewed from the front, it slopes inward on the outside. This shape opens up a free space on the outside of the profile at tabletop level, which provides the connection of swivel arms for monitors or swivel lights.

The Expand Profile 2

Vertical and Horizontal

The Expand Profile 2 can be installed vertically as well as horizontally or in combination as *erfi-Bridge*. In each variant, modular assembly with the *acto* device series is possible as well as cable and media routing within the profile.

In horizontal position the Expand Profile 2 serves either as a small table top or mounted between the L-profiles as a small cockpit. By combining Expand Profile 2 vertically and horizontally, a bridge can be stretched across the table from left to right. The *erfi-Bridge* carries superstructures such as cockpits or storage boards.

Intelligent slope when installed horizontally

When installed horizontally, the profile's 45° slope enables the ergonomic ergonomic integration of equipment at the front. Horizontally and vertically the miter cut creates a completely new, coherent unit – the *erfi-Bridge*.

The erfi-Bridge

1. Allows continuous cable routing.
2. Can be installed and retrofitted on any functional level.
3. Can accommodate components at any position.
4. Accommodates deep components.
5. Shields electromagnetic radiation inside.
6. Can be built as a stand-alone system.
7. Can continue the vertical profile to the floor.
8. Front panel color is freely selectable (natural anodized as standard).
9. Holds mounted boards and cockpits.

The erfi-Bridge

The Expand Profile 2 as erfi-Bridge – The *erfi-Bridge* allows continuous cable routing and can accommodate components of different construction depth in any position. The combination of the Expand Profile 2 can be continued to the floor and also holds mounted boards and cockpits.

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The Height Adjustment

Height adjustment with the Telescopic Profile

The innovative Telescopic Profile with functional grooves additionally stabilizes the table if electromotive or mechanical height adjustment is required.
A hydraulic cylinder is inserted into each L-profile and a total of four hydraulic cylinders lift the entire table structure. The Telescopic Profile encloses the L-profile and forms a highly stable guide with it. When the hydraulic cylinders extend, the Telescopic Profiles remain remain on the floor, with the cylinders and cables invisible.

Stable height adjustment with additional function

The Telescopic Profile has a T-slot on each end face. With this PC trays or other system components can be adapted.

Optional control

The electromotive height adjustment can be controlled in connection with the erfi software via Bluetooth. can be controlled from a tablet or smartphone via Bluetooth. Various user settings can be stored in an APP. Alternatively, the height adjustment can be controlled via the new *elneos six* device system.

Long stroke lengths with high lever loads

By using the Telescopic Profile, long stroke lengths with high lever loads are moved, as the load is transferred from the lifting cylinder to the stable telesco-pic leg. Our experience with electric motor-driven height-adjustable tables make it possible to maneuver table loads of up to 600 kg. The new telescopic leg with its form closure provides special stability and at the same time allows the installation of new and innovative compact cylinders, which bring a stroke length of 280 mm to 500 mm to a height of 1300 mm.

Lightweight, Stable and

... Convertible

All-aluminium furniture

elneos connect is the all-aluminum furniture system in the electronics lab bench sector. Aluminum has been consistently used for almost all components, including the frame, and this makes *elneos connect* a lightweight. The implementation in aluminum brings, in addition to many additional functions, a weight saving of over 30% compared to previous systems. Under new requirements of the room situation, the manageability of the system is thus simplified many times over.

Perfect docking station

The aluminum functional frame is made of a highly stable 40 x 40 mm aluminum profile, which has a T-slot on each side. This guarantees the stepless depth adjustment of the table legs. The side grooves allow additional system elements, such as suspended pedestals, PC trays or cable trays, to be retrofitted at any point.

The weight saving associated with the aluminum frame is a decisive advantage during assembly or relocation phases. The specially developed profile structure is also designed for heavy loads and offers very high stability.

Continuous adjustment

All frames can be used for continuous adaptation of all types of cable ducts and drawer containers. Due to the curved shape of the connector, a free space is created between the underside of the tabletop and the connector, which can be used sensibly for attaching brackets.

The gained depth variability allows extreme legroom and high flexibility of the frame for further foot positions.

Smart connection technology

Newly developed connectors allow longitudinal or transverse frames to be used elegantly. Likewise, longitudinal frames, for example, can be easily moved in their position to create additional free space for cable ducts or other system components.

The new design is particularly characterized by its adaptability and changeability. With this flexibility, the *elneos connect* table frame is superior to any steel frame[*].

The Worktop ergo-line

In the development of the ergo-line worktop, particular emphasis was placed on ergonomics. The front corners of the work surface were rounded and correspond to the radius of the connector below. The ergonomic curves prevent bumping and significantly reduce the risk of injury. At the same time, the radius at this point protects the tabletop against impact.

The edgebanding on this worktop is applied by machine in one piece and is and is not interrupted. It is a thick edge with high impact resistance. Specially equipped CNC milling centers with adapted edging units, this radius is realized.

Laser edging technology for all decors
A new laser technology for edge fusion enables premium quality for all wood elements. A permanent and jointless connection is created for all decors. The fusion of edge and panel increases the thermal stability as well as the moisture resistance of the components. The color of the material layer is exactly matched to the decor layer, creating an appearance that gives the impression of a solid material. The laser edge technology gives the material layer a special hardness and prevents the joint from rubbing out in everyday use - dirty joints are a thing of the past.

Table rows and single tables
This radius is ideal not only for single tables but also for table rows. The table top becomes unassailable and ensures a long service life for your laboratory equipment. The new decor front white gives the system a noble character and the appropriate elegance.

The Tech Edge alu-line

The new exposed load-bearing Tech Edge alu-line is equipped with two T-slots and a channel function. Vices and other components can components can thus be fastened without twisting. The integrated front protect the clothing from soiling and a highly stable plastic and a highly stable plastic sheath protects the base body.

Best ergonomic performance

The newly developed cover caps are rounded with a radius of radius of 20 mm. This means that all table corners are rounded and are haptically pleasant. The tight radius of 20 mm is also ideal for table rows ideal and guarantees an extended service life for your furnishings.

T-slots and channel function

The T-slots integrated on the underside are used for connecting system components system components such as storage trays or material trays. The edge is also designed in such a way that a vice can be attached without twisting and without damaging the tabletop. The edge profile has a slight recess on the top side so that small materials such as screws, tools or writing utensils cannot fall off.

ESD version

The plastic sheathing of the Tech Edge of the conductive laboratory tables is also is also available in an ESD version. An additionally developed tool guarantees perfect flow behavior during the manufacturing process.

Note: For further details, see the order section starting on page 74.

Table Structure and Cockpit

Device holder with invisible lighting concept

The *elneos connect* laboratory furniture system offers table-top systems for 19-inch equipment mounting and free-standing equipment cockpits above the table surface. The modules feature extensive new functions such as aluminum profiles, impact protection, a swiveling and adaptive lighting concept that is invisible from the outside, Bluetooth in conjunction with HCL function, and an integrated Indication Light.

19-inch elneos® six, highlab® and basic equipment systems

The compactness of *elneos six* allows significantly reduced overall depths and are compatible with other standard-compliant 19-inch device systems. The 19-inch *highlab* and *basic* series fit seamlessly alongside the capacitively controlled *elneos six* series, whose user interface has been color-coordinated to match.

Profiles simplify assembly

The tabletop structure and the cockpit have aluminum functional profiles on the upper and lower sides of the device mount, which form the mounting mechanism for the 19-inch plug-in units. The new *elneos six* device system is the perfect complement to the *elneos connect* furniture series. No changes need to be made when retrofitting with additional slide-in units.

Wood or solid aluminum

Both components, table superstructures and cockpits, are available in wood laminate and alternatively in full aluminum.

The Cockpit Profiles

The profiles below the cockpit offer the accommodation of components, data lines and the table lighting due to their versatile design.

Upper profile

The upper profile is used for extensive power, data and measurement cables. This allows cables and media to be routed between two adjacent tables at this level inside the profile. The through-wiring of adjacent cockpits can thus be easily realised without cables on the rear of the cockpit restricting the user. The upper profile also has a raised section at the top, which provides protection against slipping for cockpits and boards and also serves as impact protection.

Integrated T-slots

An integrated T-slot allows system components to be docked onto the cover plates of the cockpit. In this way, brackets and partition plates can be adapted horizontally at any point via a slot nut, for use as bookends, for example. The aluminum profile below also has T-slots for further connection options for system components such as storage trays, equipment platforms or swivel arms.

Indication Light and lower profile

The special profiles for the lighting concept are mounted below the cockpit. Here, the front table width Indication Light informs about the status of your laboratory table at any time by means of an RGB light band. In the lower profile, the swiveling RGB LED work light is invisibly integrated and provides intelligent workplace illumination for glare-, reflection- and shadow-free work. The light can be mounted on any shelf board with the Toplight aluminum profile and retro-fitted with the swivel insert.

The Lighting Concept

The latest LED technology was taken into account in the in-house development of the *elneos connect* lighting. In the lower profile Toplight of the cockpit, the Indication Light is integrated in a round groove at the front as well as an invisible and swiveling RGB LED workstation illumination.

Indikationslicht

Bei dem Indikationslicht handelt es sich um ein intelligentes Lichtband, welches die Tischzustände und wahlweise die Messwerte vom Gerätesystem *elneos® six* in Echtzeit visualisieren kann.

Eine intelligente Elektronik mit modernster Mikroprozessor-Steuerung kann den Istwert und Grenzwerte jeweils als Lichtsegment gleichzeitig visualisieren.
Eine Innovation von erfi, die den Benchmark in Puncto Sicherheit auf ein neues Level anhebt.

Workplace illumination

In the lower profile, the swiveling RGB LED work light is invisible to the table. invisible to the table. This light is controlled by powerful RGB LEDs as well as white high-power LEDs. The light can be swiveled in its holder, it is dimmable and any light colors can be set. The light can be mounted on any storage board with the Toplight aluminum profile and retrofitted with the swivel insert – so the workstation is always optimally illuminated. Another benefit is the adjustment of the light color to the current daylight situation, as well as the avoidance of shadows. The new luminaire can also be used as a single luminaire and is alternatively available with white LEDs only.

Premium Light Quality

- Luminaire with high-power RGB LEDs as well as with white premium LEDs
- Standard with non-contact sensors for dimming and light color adjustment
- Dimming and light color adjustment manually and remotely adjustable (optional)
- Installation height integrated in Toplight profile
- Light color standard 4000 K neutral white, on request light colors in warm white, cool white and daylight (optional)
- Swivels for optimal light control
- Invisible and glare-free

- Color fastness and good contrast
- Area light due to premium LEDs
- Lifetime up to 50,000 h with 30 % savings
- Remote controllable via Bluetooth with device system *elneos six*, tablet and smartphone (optional)
- Beam angle 120
- Color rendering RA > 85
- Regulation of the lighting climate in shortest time by memory function
- RGB LEDs and white LEDs can be independently controllable

The Container Program

Handleless design - touch-to-open technology

Optional touch-to-open technology* automatically opens the drawer when the drawer front is touched. Each drawer opens at light pressure. An integrated tumbler prevents unintentional opening. Even when both hands are occupied, the drawers can be opened and closed elegantly with a light tap of the knee.

Large diameter design castors

Due to their size (ø 75 mm), the castors have superior running characteristics with particularly high stability. The load capacity per castor is 100 kg when moving and up to 200 kg when standing. The driving noise is almost noiseless and that with fantastically low wear.

Stable integrated running gear

A stable integrated chassis holds the maximum load on the rollers. As a result, the rollers cannot tear out and can withstand the stresses of industry and education.

Maintenance-free drawer guides

The guides have a very long service life due to the built-in automatic self-cleaning of the tracks.

* All containers are supplied with soft-close and bow handles as standard.

Order information

Base table type 1.1

Base table type 1.2

Connector color:

elneos green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4

Worktops:

alu-line (laser edge)

ergo-line (laser edge)

multiplex

solid core

180° Cable flap

Table type 1.1 Base table

Work surfaces: ergo-/alu-line: 30 mm HPL laminated chipboard; solid core: 12 mm melamine resin solid core board; multiplex: 30 mm oiled.

Decor work surfaces: The decor can be selected in front white or multiplex. For a jointless connection, all decors (except solid core and multiplex) are manufactured with the laser edge.

Table frame: Stable aluminum table frame with circumferential groove technology for connecting components and high weight savings. Alternatively, as a completely welded steel frame all around.

Connector: green (RAL 1107070), pure white (RAL 9010), black (RAL 9011) or chrome-plated.

Aluminum profile: Four aluminum profile feet, with two cable chambers for separate media routing, intelligent clip groove technology for accommodating Expand profiles, 8 grooves for standard sliding blocks and one chamber for accommodating the electromotive height adjustment. Continuously mountable at any position of the aluminum table frame as well as extendable upwards as desired.

Table type 1.2 with 180° cable flap

Design as table type 1.1, but with additional cable flap and integrated cable flap and integrated cable tray with function surface in the rear area of the work surface.

Cable flap: 180° openable, split flap possible.

Cable tray: Can be flexibly mounted on the aluminum functional frame (150 mm usable depth), ergonomic functional surface for socket strip.

Work surfaces with conductive ESD design

All worktops are alternatively available in ESD design and in the decor front white. In the case of the alu-line worktop, the plastic sheathing of the aluminum profile is made of a high-quality conductive plastic. Conductive plastic has a different flow behavior in the production process. To ensure that the conductive version also maintains a good shape with the tabletop, a special tool was additionally developed for this purpose.

Order no. for split cable flap: ELC1.2.GK

Base table type 1.1							
Length	Depth mm/"	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Solid core	Mulitplex
1.200 mm/ 47.24"	850/33.46	ELC1.1.1281	ELC1.1.1282	ELC1.1.1283	ELC1.1.1284	ELC1.1.1287	ELC1.1.1288
	1.000/39.37	ELC1.1.1211	ELC1.1.1212	ELC1.1.1213	ELC1.1.1214	ELC1.1.1217	ELC1.1.1218
1.600 mm/ 62.99"	850/33.46	ELC1.1.1681	ELC1.1.1682	ELC1.1.1683	ELC1.1.1684	ELC1.1.1687	ELC1.1.1688
	1.000/39.37	ELC1.1.1611	ELC1.1.1612	ELC1.1.1613	ELC1.1.1614	ELC1.1.1617	ELC1.1.1618
1.800 mm/ 70.87"	850/33.46	ELC1.1.1881	ELC1.1.1882	ELC1.1.1883	ELC1.1.1884	ELC1.1.1887	ELC1.1.1888
	1.000/39.37	ELC1.1.1811	ELC1.1.1812	ELC1.1.1813	ELC1.1.1814	ELC1.1.1817	ELC1.1.1818
2.000 mm/ 78.74"	850 / 33.46	ELC1.1.2081	ELC1.1.2082	ELC1.1.2083	ELC1.1.2084	ELC1.1.2087	ELC1.1.2088
	1.000 / 39.37	ELC1.1.2011	ELC1.1.2012	ELC1.1.2013	ELC1.1.2014	ELC1.1.2017	ELC1.1.2018

Base table type 1.2 with 180° cable flap					
Length	Depth mm/"	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Mulitplex
1.200 mm/ 47.24"	850/33.46	ELC1.2.1281	ELC1.2.1282	ELC1.2.1283	ELC1.2.1284	ELC1.2.1288
	1.000/39.37	ELC1.2.1211	ELC1.2.1212	ELC1.2.1213	ELC1.2.1214	ELC1.2.1218
1.600 mm/ 62.99"	850/33.46	ELC1.2.1681	ELC1.2.1682	ELC1.2.1683	ELC1.2.1684	ELC1.2.1688
	1.000/39.37	ELC1.2.1611	ELC1.2.1612	ELC1.2.1613	ELC1.2.1614	ELC1.2.1618
1.800 mm/ 70.87"	850/33.46	ELC1.2.1881	ELC1.2.1882	ELC1.2.1883	ELC1.2.1884	ELC1.2.1888
	1.000/39.37	ELC1.2.1811	ELC1.2.1812	ELC1.2.1813	ELC1.2.1814	ELC1.2.1818
2.000 mm/ 78.74"	850 / 33.46	ELC1.2.2081	ELC1.2.2082	ELC1.2.2083	ELC1.2.2084	ELC1.2.2088
	1.000 / 39.37	ELC1.2.2011	ELC1.2.2012	ELC1.2.2013	ELC1.2.2014	ELC1.2.2018

Base table type 1.3

Base table type 1.4

erfi

Connector color:

elneos green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4

Retractable cable flap

Worktops:

alu-line (laser edge)

ergo-line (laser edge)

multiplex

180° Cable flap and supply terminal

Table type 1.3 with retractable cable flap

Design as table type 1.1, but with a cable flap that can be lowered inwards and an integrated cable tray.

Cable tray: Flexible mounting; with a usable depth of 300 mm.

Cable flap: Can be lowered inwards with two brush strips and two opening positions, centered and complete opening position.

Special features
- Easy opening and access through One-Finger-Touch and Quick-Access
- Perfect sorting of the outgoing media on the table surface due to two brushes
- No protrusion of the cable flap during opening and closing
- Front brushes improve accessibility
- Rear brushes optimize the work surface
- Lateral cable exit due to lateral brushes

Table type 1.4 with terminal and 180° cable flap

Design as table type 1.1, but with cable flap and integrated lowered supply terminal for variable equipment with the intelligent *acto* compact device program.

Cable flap: 180° openable, split flap possible.

Supply terminal: Can be flexibly mounted on the aluminum functional frame for equipping with the *acto* device program.

Order no. for split cable flap: ELC1.2.GK

Base table type 1.3 with lowerable cable flap						
Length	Depth	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Mulitplex
1.200 mm/ 47.24"	850 mm/33.46"	ELC1.3.1281	ELC1.3.1282	ELC1.3.1283	ELC1.3.1284	ELC1.3.1288
	1.000 mm/39.37"	ELC1.3.1211	ELC1.3.1212	ELC1.3.1213	ELC1.3.1214	ELC1.3.1218
1.600 mm/ 62.99"	850 mm/33.46"	ELC1.3.1681	ELC1.3.1682	ELC1.3.1683	ELC1.3.1684	ELC1.3.1688
	1.000 mm/39.37"	ELC1.3.1611	ELC1.3.1612	ELC1.3.1613	ELC1.3.1614	ELC1.3.1618
1.800 mm/ 70.87"	850 mm/33.46"	ELC1.3.1881	ELC1.3.1882	ELC1.3.1883	ELC1.3.1884	ELC1.3.1888
	1.000 mm/39.37"	ELC1.3.1811	ELC1.3.1812	ELC1.3.1813	ELC1.3.1814	ELC1.3.1818
2.000 mm/ 78.74"	850 mm / 33.46"	ELC1.3.2081	ELC1.3.2082	ELC1.3.2083	ELC1.3.2084	ELC1.3.2088
	1.000 mm / 39.37"	ELC1.3.2011	ELC1.3.2012	ELC1.3.2013	ELC1.3.2014	ELC1.3.2018

Base table type 1.4 with recessed supply terminal and 180° cable flap						
Length	Depth	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Mulitplex
1.200 mm/ 47.24"	850 mm/33.46"	ELC1.4.1281	ELC1.4.1282	ELC1.4.1283	ELC1.4.1284	ELC1.4.1288
	1.000 mm/39.37"	ELC1.4.1211	ELC1.4.1212	ELC1.4.1213	ELC1.4.1214	ELC1.4.1218
1.600 mm/ 62.99"	850 mm/33.46"	ELC1.4.1681	ELC1.4.1682	ELC1.4.1683	ELC1.4.1684	ELC1.4.1688
	1.000 mm/39.37"	ELC1.4.1611	ELC1.4.1612	ELC1.4.1613	ELC1.4.1614	ELC1.4.1618
1.800 mm/ 70.87"	850 mm/33.46"	ELC1.4.1881	ELC1.4.1882	ELC1.4.1883	ELC1.4.1884	ELC1.4.1888
	1.000 mm/39.37"	ELC1.4.1811	ELC1.4.1812	ELC1.4.1813	ELC1.4.1814	ELC1.4.1818
2.000 mm/ 78.74"	850 mm / 33.46"	ELC1.4.2081	ELC1.4.2082	ELC1.4.2083	ELC1.4.2084	ELC1.4.2088
	1.000 mm / 39.37"	ELC1.4.2011	ELC1.4.2012	ELC1.4.2013	ELC1.4.2014	ELC1.4.2018

Base table type 1.4 with terminal

Table types Basic version

Connector color:

elneos green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4

Worktops:

HPL laminate chipboard
90° corners (laser edge)

alu-line (laser edge)

multiplex 90° corners

solid core 90° corners

Table type 1.4 with flush-mounted terminal
Design as table type 1.1, but with additional
supply terminal.

Supply terminal: Flush with the table top
on the aluminum functional frame for equipping
with the acto° device program.

*Flush supply
terminal rear view*

Tischtypen in Basic-Ausführung
Tischtypen 1.1 bis 1.4 jedoch mit 90° Ecken,
umlaufendem Stahlrahmen, komplett verschweißt
(Ausführung B1) oder wahlweise verschraubt
(Ausführung B2), ohne Connector, werden auch
als Basic-Ausführung angeboten.

Bestellhinweis
Ergänzen Sie die Bestellnummer der Tischserien
1.1 bis 1.4 mit „**.B1**" oder „**.B2**". Zum Beispiel:
Tischtyp 1.1, 1600 mm lang, 850 mm tief, ergo-line:
„**ELC1.1.1681.B1**". Durch das Anhängen von „**.B1**"
wird aus einem *elneos connect* Tisch automatisch
eine Basic-Ausführung mit 90° Ecken und umlaufend
verschweißtem Stahlrahmen ohne Connector.

*Basic version with
split 180° cable flap*

*Basic version with l
owerable cable flap*

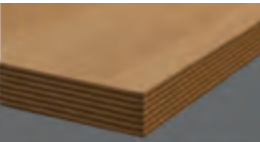| Base table type 1.4 with flush-mounted supply terminal							
Length	Depth mm/"	ergo-line	ergo-line ESD	alu-line	alu-line ESD	Solid core	Mulitplex
1.200 mm/ 47.24"	850/33.46	ELC1.4.1281.2	ELC1.4.1282.2	ELC1.4.1283.2	ELC1.4.1284.2	ELC1.4.1287.2	ELC1.4.1288.2
	1.000/39.37	ELC1.4.1211.2	ELC1.4.1212.2	ELC1.4.1213.2	ELC1.4.1214.2	ELC1.4.1217.2	ELC1.4.1218.2
1.600 mm/ 62.99"	850/33.46	ELC1.4.1681.2	ELC1.4.1682.2	ELC1.4.1683.2	ELC1.4.1684.2	ELC1.4.1687.2	ELC1.4.1688.2
	1.000/39.37	ELC1.4.1611.2	ELC1.4.1612.2	ELC1.4.1613.2	ELC1.4.1614.2	ELC1.4.1617.2	ELC1.4.1618.2
1.800 mm/ 70.87"	850/33.46	ELC1.4.1881.2	ELC1.4.1882.2	ELC1.4.1883.2	ELC1.4.1884.2	ELC1.4.1887.2	ELC1.4.1888.2
	1.000/39.37	ELC1.4.1811.2	ELC1.4.1812.2	ELC1.4.1813.2	ELC1.4.1814.2	ELC1.4.1817.2	ELC1.4.1818.2
2.000 mm/ 78.74"	850 / 33.46	ELC1.4.2081.2	ELC1.4.2082.2	ELC1.4.2083.2	ELC1.4.2084.2	ELC1.4.2087.2	ELC1.4.2088.2
	1.000 / 39.37	ELC1.4.2011.2	ELC1.4.2012.2	ELC1.4.2013.2	ELC1.4.2014.2	ELC1.4.2017.2	ELC1.4.2018.2

Basic 2 table types – electr. height-adjustable

Worktops:

HPL laminate chipboard 90° corners (laser edge)

alu-line (laser edge)

multiplex 90° corners

Figure 1:
4-leg table with
with electromotive height
adjustment, type 1.1

Cable flap also available in a split version

Optional cable drag chain for power supply order no.: ELC100.2.061, (see also page 376)

1

Figure 2:
4-leg desk with electromotive height
adjustment and 180° cable flap,
Type 1.2

Technical product description:

4-leg table with lifting columns type 1.1

Worktops: 90° corners / alu-line: 30 mm HPL laminate chipboard (laser edge), front white; Multiplex: 30 mm oiled.

Table frame: Fully welded steel frame.

Table frame: Powder-coated, RAL 9011.

Height adjustment with collision protection: 4 x lifting columns. Lifting length: 650 mm, lifting weight 4 x 120 kg (minus the individual table weight!).

Extremely quiet and fast drive. Noise level of only approx. 22 dB. Max. Travel speed 38 mm / s. Optionally available with high-speed lifting columns, high-speed travel speed max. 80 mm / s. Single, 2-, 3- or 4-parallel or multi-parallel movement with up to 16 columns. With PIEZO collision protection. As soon as the table an object, the movement is stopped. Electrically movable via display. 4 memory locations for height adjustment.

Note: The tables can be extended to accommodate boards and device cockpits using adapters and Expand 2 profiles.

4-leg table with lifting columns type 1.2 additionally with...

Cable flap: 180°; split flap optionally available.

Cable tray: Permanently welded to the steel frame to accommodate socket strips and cables.

Optional equipment:

High-speed lifting columns: For an even faster table travel speed of up to 80 mm / s.
Order no.: ELC.HS.4

PC holder: For steel table frame. Adjustable in height and width, suitable for holding big tower PCs. Powder-coated RAL 9011. Can be mounted on the left and right of the steel frame, incl. Velcro tape for stable fastening.
Order no.: ELC6.6.257.4

1

ca. 400 – 600 mm

ca.155 – 235 mm

Split cable flap: Order no.: ELC1.2.GK

Basic 2 version 4-leg table type 1.1						
Length	Depth mm/"	HPL chipboard	HPL chipb. ESD	alu-line	alu-line ESD	Multiplex
1.200 mm/ 47.24"	850/33.46	ELC1.1.1281.4	ELC1.1.1282.4	ELC1.1.1283.4	ELC1.1.1284.4	ELC1.1.1288.4
	1.000/39.37	ELC1.1.1211.4	ELC1.1.1212.4	ELC1.1.1213.4	ELC1.1.1214.4	ELC1.1.1218.4
1.600 mm/ 62.99"	850/33.46	ELC1.1.1681.4	ELC1.1.1682.4	ELC1.1.1683.4	ELC1.1.1684.4	ELC1.1.1688.4
	1.000/39.37	ELC1.1.1611.4	ELC1.1.1612.4	ELC1.1.1613.4	ELC1.1.1614.4	ELC1.1.1618.4
1.800 mm/ 70.87"	850/33.46	ELC1.1.1881.4	ELC1.1.1882.4	ELC1.1.1883.4	ELC1.1.1884.4	ELC1.1.1888.4
	1.000/39.37	ELC1.1.1811.4	ELC1.1.1812.4	ELC1.1.1813.4	ELC1.1.1814.4	ELC1.1.1818.4
2.000 mm/ 78.74"	850 / 33.46	ELC1.1.2081.4	ELC1.1.2082.4	ELC1.1.2083.4	ELC1.1.2084.4	ELC1.1.2088.4
	1.000 / 39.37	ELC1.1.2011.4	ELC1.1.2012.4	ELC1.1.2013.4	ELC1.1.2014.4	ELC1.1.2018.4

Basic 2 version 4-leg table type 1.2 with 180° cable flap						
Length	Depth mm/"	HPL chipboard	HPL chipb. ESD	alu-line	alu-line ESD	Multiplex
1.200 mm/ 47.24"	850/33.46	ELC1.2.1281.4	ELC1.2.1282.4	ELC1.2.1283.4	ELC1.2.1284.4	ELC1.2.1288.4
	1.000/39.37	ELC1.2.1211.4	ELC1.2.1212.4	ELC1.2.1213.4	ELC1.2.1214.4	ELC1.2.1218.4
1.600 mm/ 62.99"	850/33.46	ELC1.2.1681.4	ELC1.2.1682.4	ELC1.2.1683.4	ELC1.2.1684.4	ELC1.2.1688.4
	1.000/39.37	ELC1.2.1611.4	ELC1.2.1612.4	ELC1.2.1613.4	ELC1.2.1614.4	ELC1.2.1618.4
1.800 mm/ 70.87"	850/33.46	ELC1.2.1881.4	ELC1.2.1882.4	ELC1.2.1883.4	ELC1.2.1884.4	ELC1.2.1888.4
	1.000/39.37	ELC1.2.1811.4	ELC1.2.1812.4	ELC1.2.1813.4	ELC1.2.1814.4	ELC1.2.1818.4
2.000 mm/ 78.74"	850 / 33.46	ELC1.2.2081.4	ELC1.2.2082.4	ELC1.2.2083.4	ELC1.2.2084.4	ELC1.2.2088.4
	1.000 / 39.37	ELC1.2.2011.4	ELC1.2.2012.4	ELC1.2.2013.4	ELC1.2.2014.4	ELC1.2.2018.4

System components in Basic 2 version

Fig. 1: Expanding profile 2 at a 45° angle to the user, version 1: ELC.B2.A1 with shelves for table type Basic 2, ELC3.4.1631.B (order no. Expanding profile 2, see from page 129).

Fig. 2: Expanding profile 2 straight towards the user, version 2: ELC.B2.A2 with shelves for table type Basic 2, ELC3.4.1631.B (order no. Expanding profile 2, see from page 129).
Optionally with PC holder for steel table frame and LED-ProSlim system light mounted under the shelf.

Fig. 3: Expanding profile 2 straight towards the user, version 2: ELC.B2.A2 with 3 U cockpit in Basic version, ELC4.1.1631.B (order no. Expanding profile 2, see from page 129).

Fig. 2: Expanding profile 2 straight towards the user, version 2: ELC.B2.A2 with 3 U cockpit in Basic version, ELC4.1.1631.B (order no. Expanding profile 2, see from page 129).
Optionally with PC holder for steel table frame and LED-ProSlim system light mounted under the cockpit.

Storage shelves for Basic 2 table type

Storage shelves for Basic 2 table type: intermediate and tiltable, with aluminum profile underneath			
for table width	**Depth**	**Standard**	**ESD**
1.200 mm / 47.24"	360 mm / 14.17"	ELC3.4.1231.B	ELC3.4.1232.B
	500 mm / 19.69"	ELC3.4.1251.B	ELC3.4.1252.B
1.600 mm / 62.99"	360 mm / 14.17"	ELC3.4.1631.B	ELC3.4.1632.B
	500 mm / 19.69"	ELC3.4.1651.B	ELC3.4.1652.B
1.800 mm / 70.87"	360 mm / 14.17"	ELC3.4.1831.B	ELC3.4.1832.B
	500 mm / 19.69"	ELC3.4.1851.B	ELC3.4.1852.B
2.000 mm / 78.74"	360 mm / 14.17"	ELC3.4.2031.B	ELC3.4.2032.B
	500 mm / 19.69"	ELC3.4.2051.B	ELC3.4.2052.B
Toggle clamp lever (optional) **order no.** ELC3.3.KKH			

Under-mounted system light 1

Detailed information on the system light on page 248.

System light 1							
for table width	**Type**	**Techno-logy**	**Power consump-tion**	**Luminaire luminous flux**	**Luminaire luminous efficacy**	**Luminaire length**	**Order no.**
1.200 mm / 47.24"	5240 Dimm	dimmbar	38 W	3720 lm	99 lm/W	889 mm / 35.00"	ELH1.1201.U
1.600 mm / 62.99"	5240 Dimm	dimmbar	38 W	3720 lm	99 lm/W	1.089 mm / 42.87"	ELH1.1601.U
1.800 mm / 70.87"	5240 Dimm	dimmbar	38 W	3720 lm	99 lm/W	1.489 mm / 58.62"	ELH1.1801.U
2.000 mm / 78.74"	5240 Dimm	dimmbar	38 W	3720 lm	99 lm/W	1.549 mm / 60.98"	ELH1.2001.U

19-inch cockpits for table type Basic 2

19-inch cockpits 3 and 6 U in Basic version (without cut-out for foot profiles, resting on top)					
Length/BK*	**Depth**	**Height 3 U** (H total 172 mm/6.77")		**Height 6 U** (H total 305 mm/12.01")	
		Standard	**ESD**	**Standard**	**ESD**
1.200 mm / 47.24" 224 TE/DU	270 mm / 10.63"	ELC4.1.1221.B	ELC4.1.1222.B	ELC4.2.1221.B	ELC4.2.1222.B
	360 mm / 14.17"	ELC4.1.1231.B	ELC4.1.1232.B	ELC4.2.1231.B	ELC4.2.1232.B
	500 mm / 19.69"	ELC4.1.1251.B	ELC4.1.1252.B	ELC4.2.1251.B	ELC4.2.1252.B
1.600 mm / 62.99" 303 TE/DU	270 mm / 10.63"	ELC4.1.1621.B	ELC4.1.1622.B	ELC4.2.1621.B	ELC4.2.1622.B
	360 mm / 14.17"	ELC4.1.1631.B	ELC4.1.1632.B	ELC4.2.1631.B	ELC4.2.1632.B
	500 mm / 19.69"	ELC4.1.1651.B	ELC4.1.1652.B	ELC4.2.1651.B	ELC4.2.1652.B
1.800 mm / 70.87" 342 TE/DU	270 mm / 10.63"	ELC4.1.1821.B	ELC4.1.1822.B	ELC4.2.1821.B	ELC4.2.1822.B
	360 mm / 14.17"	ELC4.1.1831.B	ELC4.1.1832.B	ELC4.2.1831.B	ELC4.2.1832.B
	500 mm / 19.69"	ELC4.1.1851.B	ELC4.1.1852.B	ELC4.2.1851.B	ELC4.2.1852.B
2.000 mm / 78.74" 382 TE/DU	270 mm / 10.63"	ELC4.1.2021.B	ELC4.1.2022.B	ELC4.2.2021.B	ELC4.2.2022.B
	360 mm / 14.17"	ELC4.1.2031.B	ELC4.1.2032.B	ELC4.2.2031.B	ELC4.2.2032.B
	500 mm / 19.69"	ELC4.1.2051.B	ELC4.1.2052.B	ELC4.2.2051.B	ELC4.2.2052.B

Please specify in addition to Epxand profile 2 (from page 129) **when ordering:**

Version 1: Expand Profiles 2 vertical in the straight 45° angle to the user. **Order no.:** ELC.B2.A1

Version 2: Expand Profiles 2 vertical at a Version towards the user. **Order no.:** ELC.B2.A2

The system components are suitable for both versions.
Note: Shelves are always intermediate, tiltable. Cockpits rest top of the Expand 2 profiles!

* BK= Assembly capacity in TE/DU (division unit) 1 TE/DU= 5.08 mm/0.2 inch

Table types T-foot version

Table types C-foot version

erfi

Connector color:

elneos green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4

Worktops::

alu-line (laser edge)

ergo-line (laser edge)
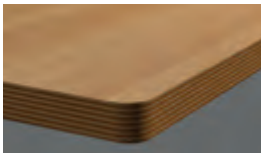
multiplex

solid core

Table type in T-Leg Design
Design as for table types 1.1 to 1.4 but with a T-leg table frame.

Order note
Add „**.T**" to the order number of the table series 1.1 to 1.4. For example: Table type 1.1, 1600 mm long, 850 mm deep, ergo-line: „**ELC1.1.1681.T**". By adding „**.T**" the previous four-leg table frame becomes a T-leg table frame.

Table type in C-Leg Design
Design as for table types 1.1 to 1.4 but with a C-leg table frame.

Order note
Add „**.C**" to the order number of the table series 1.1 to 1.4. For example: Table type 1.1, 1600 mm long, 850 mm deep, ergo-line: „**ELC1.1.1681.C**". By adding „**.C**" the previous four-leg table frame becomes a C-leg table frame.

T-leg design with 180° cable flap

T-leg design with lowerable cable flap

C-leg design with 180° cable flap

C-leg design with lowerable cable flap

Table types C-foot version

...with lifting columns for the office sector

erfi

Worktops::
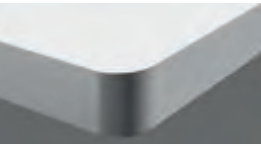
alu-line (laser edge)

ergo-line (laser edge)

multiplex

Figure 1:
Desk for office use with
electromotive height
adjustment, type 1.1

Cable flap optionally
available in split version.

Optional cable drag chain
for power supply order
no.: ELC100.2.060,
(see also page 376).

Optional mini PC holder for mounting on the
40 /40 profile, order no.: ELC6.6.257.2,
(see also page 173).
For steel frames, please select PC bracket
from page 80, order no.: ELC6.6.257.4

Optional bracing.
Recommended if the
table is extended.

Figure 2:
Table for the office area with
electromotive height adjustment
and 180° cable flap, type 1.2

Technical product description:

C-foot tables with lifting columns type 1.1
Worktops: ergo-/alu-line: 30 mm HPL laminated
chipboard (laser edge), front white; Multiplex:
30 mm oiled.

Table frame: Sturdy aluminum table frame
with allround groove technology for connecting
components and high weight savings. Alternatively
as all-round fully welded steel frame.

Height adjustment with collision protection:
Powder-coated, RAL 9011. 2 x lifting columns.
Lifting length: 650 mm, lifting weight 2 x 120 kg

(minus the individual table weight!). Extremely quiet
and fast drive. Noise level of only approx. 22 dB. Max.
Max. travel speed 38 mm / s. Optionally available with
high-speed lifting columns. Can be moved individu-
ally, 2-, 3- or 4-parallel or multi-parallel with up to 16
columns. With PIEZO collision protection. As soon as
the table hits an object, the movement is stopped.
Electrically movable via display.

Note: The tables can be extended to accommo-
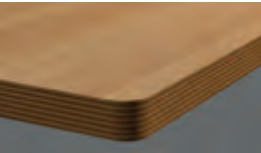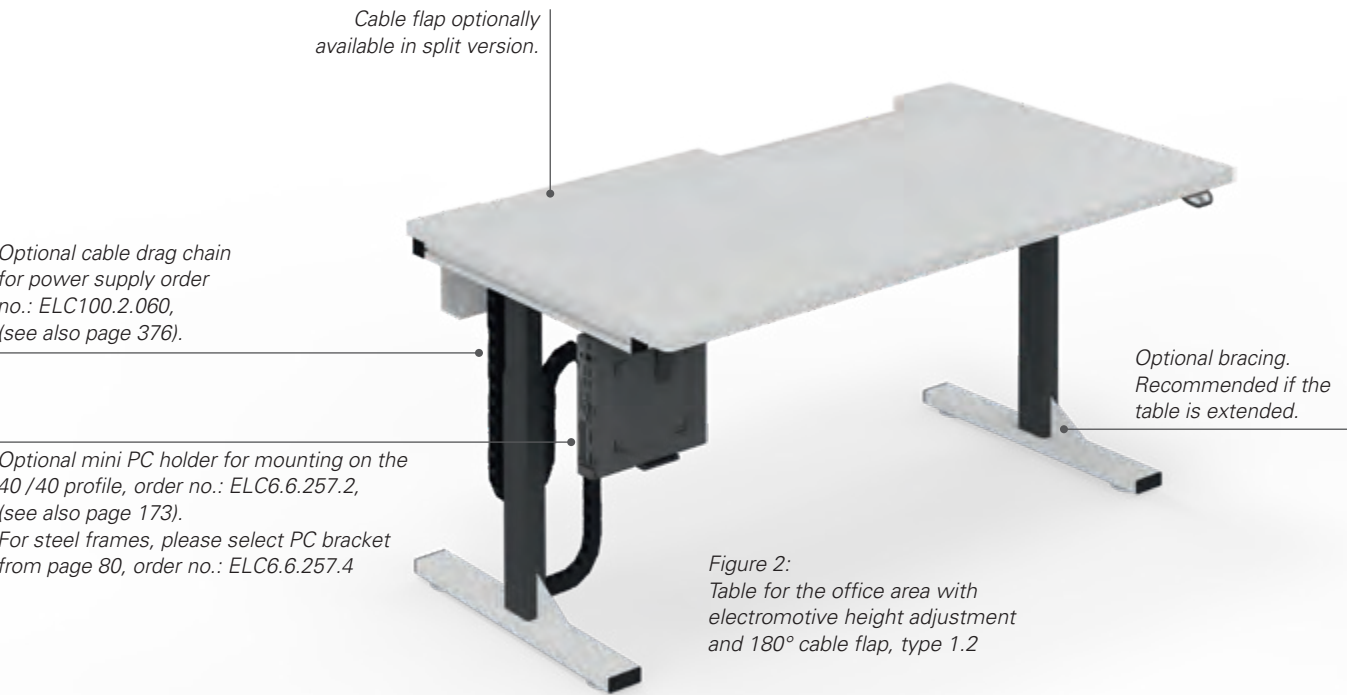date boards and device cockpits using adapters
and Expand 2 profiles. Compatible with system
components in Basic 2 version. See page 82.
Bracing is recommended.

**C-foot tables with lifting columns type 1.2
additionally with..**
Cable flap: 180° ; split flap optionally available.

Cable tray: Underneath the tabletop on the 40 / 40
profile mounted. In the Basic version, firmly welded
to the steel frame.

Table types in basic design
With 90° corners, all-round steel frame, completely
welded (version B1) or optionally bolted (version B2).
Add „.B1" or „.B2" to the order number of the table
series.

Optional equipment:
High-speed lifting columns: For an even faster
table travel speed of up to 80 mm / s.
Order no.: ELC.HS.2
Stiffening triangle: For increased stability
when the table is extended.
Order no.: ELC.AS.2
Split cable flap: Order no.: ELC1.2.GK

C-foot tables with lifting columns type 1.1

Length	Depth mm/"	HPL-Spanplatte	HPL-Spanpl. ESD	alu-line	alu-line ESD	Multiplex
1.200 mm/ 47.24"	850/33.46	ELC1.1.1281.O	ELC1.1.1282.O	ELC1.1.1283.O	ELC1.1.1284.O	ELC1.1.1288.O
	1.000/39.37	ELC1.1.1211.O	ELC1.1.1212.O	ELC1.1.1213.O	ELC1.1.1214.O	ELC1.1.1218.O
1.600 mm/ 62.99"	850/33.46	ELC1.1.1681.O	ELC1.1.1682.O	ELC1.1.1683.O	ELC1.1.1684.O	ELC1.1.1688.O
	1.000/39.37	ELC1.1.1611.O	ELC1.1.1612.O	ELC1.1.1613.O	ELC1.1.1614.O	ELC1.1.1618.O
1.800 mm/ 70.87"	850/33.46	ELC1.1.1881.O	ELC1.1.1882.O	ELC1.1.1883.O	ELC1.1.1884.O	ELC1.1.1888.O
	1.000/39.37	ELC1.1.1811.O	ELC1.1.1812.O	ELC1.1.1813.O	ELC1.1.1814.O	ELC1.1.1818.O
2.000 mm/ 78.74"	850 / 33.46	ELC1.1.2081.O	ELC1.1.2082.O	ELC1.1.2083.O	ELC1.1.2084.O	ELC1.1.2088.O
	1.000 / 39.37	ELC1.1.2011.O	ELC1.1.2012.O	ELC1.1.2013.O	ELC1.1.2014.O	ELC1.1.2018.O

C-foot tables with lifting columns type 1.2 - with 180° cable flap

Length	Depth mm/"	HPL-Spanplatte	HPL-Spanpl. ESD	alu-line	alu-line ESD	Multiplex
1.200 mm/ 47.24"	850/33.46	ELC1.2.1281.O	ELC1.2.1282.O	ELC1.2.1283.O	ELC1.2.1284.O	ELC1.2.1288.O
	1.000/39.37	ELC1.2.1211.O	ELC1.2.1212.O	ELC1.2.1213.O	ELC1.2.1214.O	ELC1.2.1218.O
1.600 mm/ 62.99"	850/33.46	ELC1.2.1681.O	ELC1.2.1682.O	ELC1.2.1683.O	ELC1.2.1684.O	ELC1.2.1688.O
	1.000/39.37	ELC1.2.1611.O	ELC1.2.1612.O	ELC1.2.1613.O	ELC1.2.1614.O	ELC1.2.1618.O
1.800 mm/ 70.87"	850/33.46	ELC1.2.1881.O	ELC1.2.1882.O	ELC1.2.1883.O	ELC1.2.1884.O	ELC1.2.1888.O
	1.000/39.37	ELC1.2.1811.O	ELC1.2.1812.O	ELC1.2.1813.O	ELC1.2.1814.O	ELC1.2.1818.O
2.000 mm/ 78.74"	850 / 33.46	ELC1.2.2081.O	ELC1.2.2082.O	ELC1.2.2083.O	ELC1.2.2084.O	ELC1.2.2088.O
	1.000 / 39.37	ELC1.2.2011.O	ELC1.2.2012.O	ELC1.2.2013.O	ELC1.2.2014.O	ELC1.2.2018.O

Meeting table type 1.1

Meeting table type 1.2

Figure 2:
Meeting table type 1.1
with table top „hexagon"
900 x 780 mm.

Height adjustment by means of gas spring – flexible without electricity!

Figure 1:
Meeting table type 1.1
with table top „rectangle"
800 x 800 mm.

Figure 3:
Meeting table type 1.1
with „Round" table top
Ø 900 mm.

Figure 4:
Meeting table type 1.2

Technical product description:

Meeting table type 1.1
Height-adjustable gas spring table, single column.

Work surfaces: 90° corners or round: 19 mm direct-coated, front white.

Table frame: Powder-coated RAL 9011. Base column round (Ø 70 mm) or square (70 x 70 mm) depending on table top version.
4-star base (Ø 800 mm). Mobile with sturdy swivel castors Ø 60 mm, 2 of which can be locked.
Height approx. 690 to 1155 mm plus table top.

Height adjustment: Gas spring height adjustment 150 N. Stroke 465 mm. Adjustable via intuitive operating button.

Dynamic frame load without table top: Max. 15 kg.

Technical product description:

Meeting table type 1.2
Slim design, foldable and mobile.

Work surfaces: 90° corners: 19 mm direct-coated, front white.

Table frame: Powder-coated RAL 9011,

including table top folding function.
Mobile with sturdy swivel castors Ø 60 mm, 2 of which can be locked.
Height approx. 700 mm plus table top.
Max. Frame load without table top:
Max. 50 kg.

Meeting table type 1.1		
Execution	Table top size	Order no.
Square	800 x 800 mm / 31.50" x 31.50"	ELH5.1.8080
Hexagon	900 x 780 mm / 35.43" x 30.71"	ELH5.1.9070
Round	Ø 900 mm / Ø 35.43"	ELH5.1.9000

Meeting table type 1.2	
Table top size	Order no.
1.200 x 800 mm / 47.24" x 31.50"	ELH5.2.1280
1.400 x 800 mm / 55.12" x 31.50"	ELH5.2.1480
1.600 x 800 mm / 62.99" x 31.50"	ELH5.2.1680
1.800 x 800 mm / 70.87" x 31.50"	ELH5.2.1880

Meeting table type 1.3

Acoustic elements connect

Height adjustment by means of gas spring – flexible without electricity!

optional: flipchart use! With magnetically writable table top.

Figure 1: Meeting table type 1.3

Acoustic ceiling suspension connect with 3 elements

Surfaces: *Lucia fabric*

009 black

086 gray

093 besch

156 light green

157 light blue

165 light beige

Other colors available on request.

Detail: Acoustic element with accent strips in anthracite (optional)*

Detail: Acoustic element without accent strips (standard)

Acoustic element, surface absorber: Classification A (aw 0.95)

** Optionally with 8 mm wide anthracite **accent strip**, surrounding on the outside.*
Order no.: ELH5.110

Acoustic partition wall as a privacy screen or as a partition when tables are set up „back to back".

Acoustic partition wall connect: Classification C (aw 0.60).

Technical product description:

Meeting table type 1.3
Height-adjustable gas lift table, slim design, foldable and mobile.

Work surfaces: 90° corners: 19 mm direct-coated, front white.
Alternative flipchart use possible with optional magnetic and writable work surface.

Table frame: Powder-coated RAL 9011, including table top folding function. Mobile with sturdy swivel castors Ø 60 mm, 2 of which can be locked. Height approx. 715 to 1215 mm plus table top.
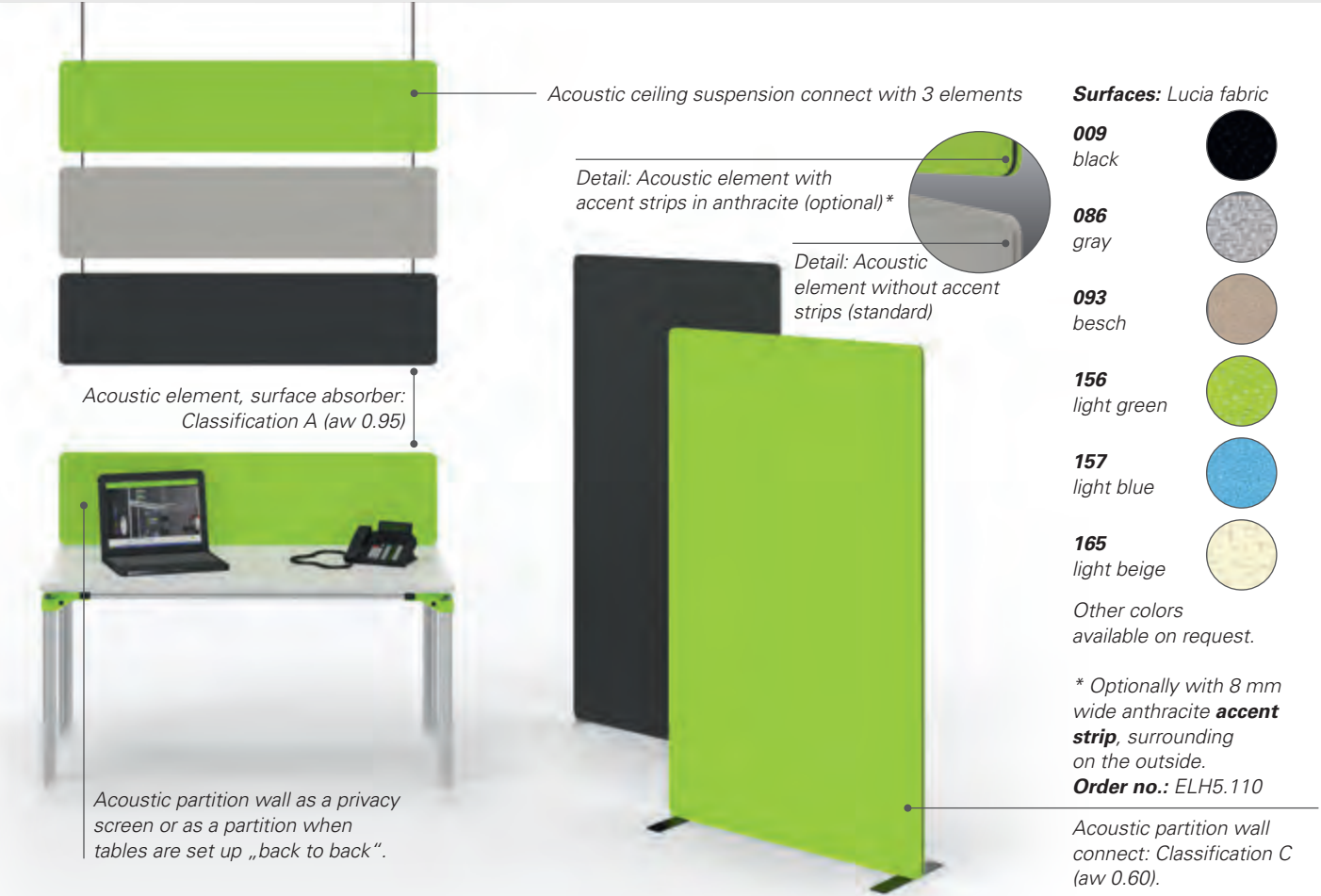
Height adjustment: Gas spring height adjustment 450 N (200 N table top / 250 N load). Stroke 500 mm. Adjustable via intuitive operating button.

Dynamic frame load without table top: Dependent on gas spring strength. More than 450 N available on request.

Additional gas spring optional (approx. 100 to 300 N), **Order no.:** ELH5.100

Technical product description:

Acoustic elements connect
Frameless privacy screen with acoustic properties. Thickness: 28 mm, corner radius: 30 mm.

Version: As ceiling suspension with up to 3 elements, as a partition wall with table attachment or as a movable wall – can be set up individually or linked quickly and independently of the angle using a plug-in connection.

Meeting table type 1.3		
Table top size	**Table top decor: front white**	**Table top decor: front white, magnetic and writable**
1.200 x 800 mm / 47.24" x 31.50"	ELH5.3.1280	ELH5.4.1280
1.400 x 800 mm / 55.12" x 31.50"	ELH5.3.1480	ELH5.4.1480
1.600 x 800 mm / 62.99" x 31.50"	ELH5.3.1680	ELH5.4.1680
1.800 x 800 mm / 70.87" x 31.50"	ELH5.3.1880	ELH5.4.1880

Acoustic ceiling suspension connect			
	elements (H: 387 mm/15.24"per element)		
Length	**1 element**	**2 elements**	**3 elements**
1.200 mm / 47.24"	ELH5.1230.1.x	ELH5.1230.2.x	ELH5.1230.3.x
1.400 mm / 55.12"	ELH5.1430.1.x	ELH5.1430.2.x	ELH5.1430.3.x
1.600 mm / 62.99"	ELH5.1630.1.x	ELH5.1630.2.x	ELH5.1630.3.x

Acoustic partition connect			
Length mm / inch	**Height**		
	387 mm / 15.24"	**600 mm / 23.62"**	**750 mm / 29.53"**
1.200 / 47.24"	ELH5.1230.x	ELH5.1260.x	ELH5.1270.x
1.400 / 55.12"	ELH5.1430.x	ELH5.1460.x	ELH5.1470.x
1.600 / 62.99"	ELH5.1630.x	ELH5.1660.x	ELH5.1670.x
1.800 / 70.87"	ELH5.1830.x	ELH5.1860.x	ELH5.1870.x
2.000 / 78.74"	ELH5.2030.x	ELH5.2060.x	ELH5.2070.x

Acoustic movable wall connect *(foot bracket RAL 9006 white aluminum as standard)*				
Length	**Height**			
	1.000 mm / 39.37"	**1.200 mm / 47.24"**	**1.400 mm / 55.12"**	**1.600 mm / 62.99"**
600 mm / 23.62"	ELH5.0610.x	ELH5.0612.x	ELH5.0614.x	ELH5.0616.x
800 mm / 31.50"	ELH5.0810.x	ELH5.0812.x	ELH5.0814.x	ELH5.0816.x
1.000 mm / 39.37"	ELH5.1010.x	ELH5.1012.x	ELH5.1014.x	ELH5.1016.x
1.200 mm / 47.24"	ELH5.1210.x	ELH5.1212.x	ELH5.1214.x	ELH5.1216.x
Foot bracket optional RAL 9011 graphite black, order no. ELH5.120				

Ordering information: Please replace the **„x"** with the desired fabric color (see table above).
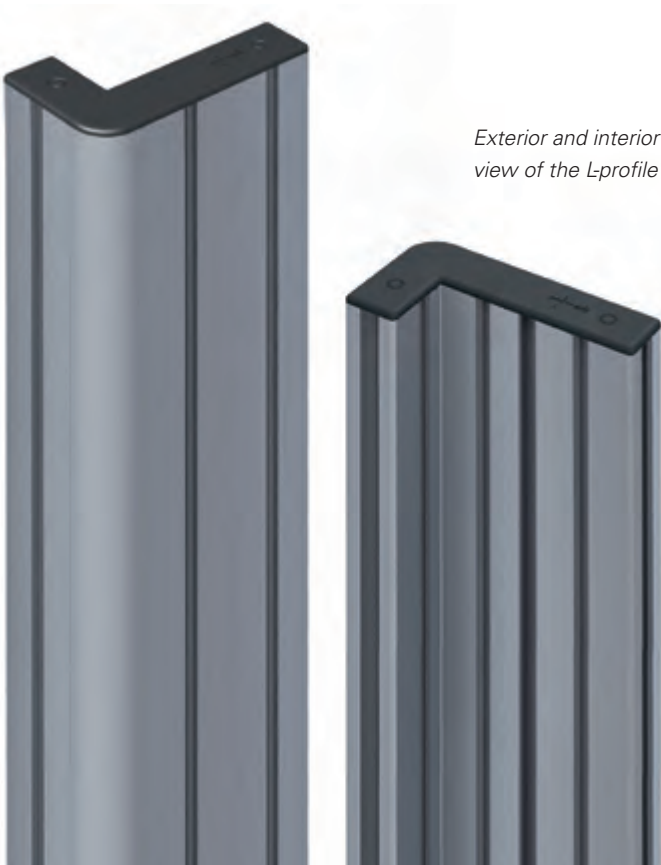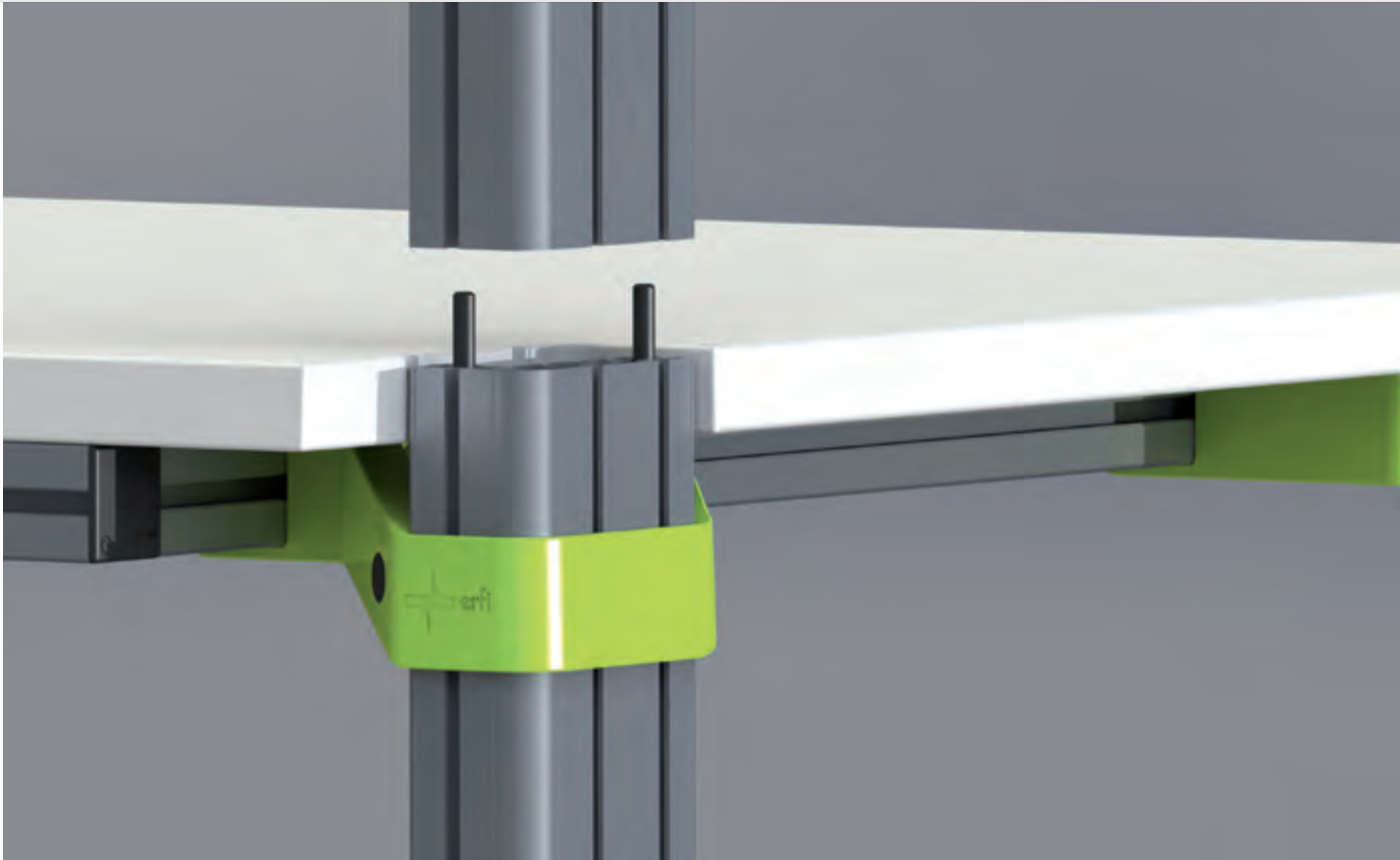
L-profile

The L-profile in one piece

Equipment cockpits and storage boards are mounted on rear profiles made of one piece. Alternatively, the rear foot profiles can also be extended (extension profiles, see next page). The one-piece profiles offer maximum stability due to their shape and uninterrupted structure.

Exterior and interior view of the L-profile

Continuous foot profiles

Length of rear leg incl. foot plate	Order no.	Note
702 mm / 27.64"	ELC2.1.0702	Front table legs
780 mm / 30.71"	ELC2.1.0780	Rear table legs
1.200 mm / 47.24"	ELC2.1.1200	Rear table legs
1.400 mm / 55.12"	ELC2.1.1400	Rear table legs
1.500 mm / 59.06"	ELC2.1.1500	Rear table legs
1.800 mm / 70.87"	ELC2.1.1800	Rear table legs
2.000 mm / 78.74"	ELC2.1.2000	Rear table legs
2.200 mm / 86.61"	ELC2.1.2200	Rear table legs

The L-profile for extension

The L-profile offers the possibility to extend the rear profile feet as desired with an extension profile. The extension is made by means of internal spikes that engage in corresponding cylinders of the lower L-profile, thus forming an anti-twist protection at the same time. In addition, the profiles are secured. A highly solid connection that is invisible from the outside when mounted.

Raised foot profiles

from	to	Order no.
780 mm / 30.71"	1.000 mm / 39.37"	ELC2.2.0220
	1.200 mm / 47.24"	ELC2.2.0420
	1.400 mm / 55.12"	ELC2.2.0620
	1.500 mm / 59.06"	ELC2.2.0720
	1.800 mm / 70.87"	ELC2.2.1020
	2.000 mm / 78.74"	ELC2.2.1220
	2.200 mm / 86.61"	ELC2.2.1420
	Ceiling height*	ELC2.2.DH78
1.200 mm / 47.24"	1.400 mm / 55.12"	ELC2.2.0200
	1.500 mm / 59.06"	ELC2.2.0300
	1.800 mm / 70.87"	ELC2.2.0600
	2.000 mm / 78.74"	ELC2.2.0800
	2.200 mm / 86.61"	ELC2.2.1000
	Ceiling height*	ELC2.2.DH12

Raised foot profiles

from	to	Order no.
1.400 mm / 55.12"	1.800 mm / 70.87"	ELC2.2.0400
	2.000 mm / 78.74"	ELC2.2.0600
	2.200 mm / 86.61"	ELC2.2.0800
	Ceiling height*	ELC2.2.DH14
1.500 mm / 59.06"	1.800 mm / 70.87"	ELC2.2.0300
	2.000 mm / 78.74"	ELC2.2.0500
	2.200 mm / 86.61"	ELC2.2.0700
	Ceiling height*	ELC2.2.DH15
1.800 mm / 70.87"	2.000 mm / 78.74"	ELC2.2.0200
	2.200 mm / 86.61"	ELC2.2.0400
	Ceiling height*	ELC2.2.DH18
2.000 mm / 78.74"	2.200 mm / 86.61"	ELC2.2.0200
	Ceiling height*	ELC2.2.DH20
2.200 mm / 86.61"	Ceiling height*	ELC2.2.DH22

Note Scope of delivery: L-profile incl. plastic profile cover cap and leveling foot

* Please specify ceiling height; scope of delivery: L-profile incl. plastic profile cover cap, 2 extension dowels and locking device

Mobile Table frame

Castor set and Frame bracing

Roller set
The castor set consists of four 100 mm diameter swivel castors, two of which have brakes. The height given for a table includes the height of the castors.

Roller set
ELC8.4.0100

The mobile table frames
The tables with mobile frames can be moved quickly and easily. The mobile frame consists of a sturdy steel frame with cross bracing and with four swivel castors Ø 100 mm. Two of the swivel castors are lockable. The indicated height of a table includes the height of the casters.

Mobile table frames	
Table width	Oder no.
1.200 mm / 47.24"	ELC8.3.1200
1.600 mm / 62.99"	ELC8.3.1600
1.800 mm / 70.87"	ELC8.3.1800
2.000 mm / 78.74"	ELC8.3.2000

Frame stiffener
The frame stiffening provides the table with additional stability, especially recommended for mobile tables and cockpit tables with a large number of integrated devices. The frame stiffener is available for rear or for rear and side.

Frame stiffener		
Table width	only rear	rear and side
1.200 mm / 47.24"	ELC8.1.1200	ELC8.2.1200
1.600 mm / 62.99"	ELC8.1.1600	ELC8.2.1600
1.800 mm / 70.87"	ELC8.1.1800	ELC8.2.1800
2.000 mm / 78.74"	ELC8.1.2000	ELC8.2.2000

Height adjustment

The electric height adjustment
Compact height adjustment system with maximum stability and load capacity. The telescopic leg, which includes the L-profile, guarantees very high stability. The telescopic leg offers additional grooves and therefore an optimum connection option in the lower table area. Concealed media guidance during the height adjustment process is made possible by the expansion profile 1 inside the L-profile. It moves together with the L-profile and media that are guided in the L-profile.

Technical data for electromotive and manual height adjustment using a hand crank
Stroke:
300 mm from 780 to 1080 mm
400 mm from 780 to 1180 mm (alternative)
500 mm from 780 to 1280 mm (alternative)

Lifting force: 350 kg, alternatively 600 kg

Lifting speed: approx. 15 mm/s Height adjustment at the touch of a button incl. digital display in cm. Memory function for storing 3 positions. Alternatively controllable by elneos six device system.

Electromotive height adjustment		
Lifting system	**350 kg**	**600 kg**
300 mm / 11.81"	ELC5.300.350	ELC5.300.600
400 mm / 15.75"	ELC5.400.350	ELC5.400.600
500 mm / 19.69"	ELC5.500.350	
Manual height adjustment using a hand crank		
Lifting system	**350 kg**	
300 mm / 11.81"	ELC5.300.350.H	
400 mm / 15.75"	ELC5.400.350.H	
Manual height adjustment with clamping device		
Lifting system	**Best.-Nr.**	
100 mm / 3.94"	ELC5.100.1	
200 mm / 7.87"	ELC5.200.1	
300 mm / 11.81"	ELC5.300.1	
400 mm / 15.75"	ELC5.400.1	
Height adjustment incl. control with Bluetooth+ erfi-APP		
BT control unit	ELC5.BT	
Height adjustment with elneos six appliance system		
Up/down button in the el6 display (See also general catalog elneos six page 105)	EL6.TH	
Height adjustment: telescopic legs in silver anodized		
Telescopic legs silver anodized	ELC5.SE	

The technology of electromotive height adjustment
Hydraulic lifting cylinders are hidden out of sight in the L-profile without wasting valuable cable space. The aim of developing a table system that conceals the height adjustment as far as possible has been completely successful. During the lifting process, the entire workstation, including all system components including suspended containers and superstructures the desired height. The hydraulic height adjustment is completely insensitive to impact and force impulses and is superior to any mechanical gear height adjustment. The height of several table systems can be linked and adjusted synchronously with just one drive pump.

The electromotive height adjustment in conjunction with BT (Bluetooth)
The height adjustment can optionally be controlled via Bluetooth using a smartphone or tablet. It is also possible to save different user heights.

As an alternative to the black anodized telescopic legs, these are available in silver anodized.

EMC: very low electromagnetic radiation, particularly suitable for use at computer workstations or in the electrical engineering sector.

Special features of the electric height adjustment
1. No waste of cable space
The height adjustment is designed so that the cable compartment inside the L-profile is not affected. The function of the L-profile and the media feed are retained.

2. Max. stability and max. adjustment range
The new telescopic profile with its form-fit connection to the L-profile ensures stability and at the same time enables the installation of new and innovative compact cylinders. A lifting capacity of up to 600 kg is a decisive feature.

3. Optimum usability thanks to integrated grooves
The telescopic profile is an extruded aluminum profile with integrated functional grooves. All conceivable system components can be mounted on this telescopic profile without following the lifting movement. If the system components are to follow the lifting movement, they can be connected directly to the movable L-profile.

4. Media management and media protection
In the elneos connect, media is always concealed as standard and also by the telescopic profiles during the lifting process. Even large quantities of cable are concealed on all sides by the expansion profile 1 during the lifting process and protected against external influences.

5. Expandable & flexible without conversion work
Expand profile 1 can be retrofitted at any time. The telescopic profile encloses the L-profile in such a way that the inside allows the Expand profile 1 to be retrofitted.

6. Retrofittability
The new height adjustment system has been developed in this way, that it can be integrated into existing elneos connect tables can be installed.

Manual height adjustment systems
The manual height adjustment systems can be supplied with a crank or alternatively with a screw clamp connection in accordance with the adjacent ordering table.

Angle connections for room design

Linkage form 3

Size W x D	TD1	TD2	ergo-line	ergo-line ESD	Solid core	Mulitplex
1.000 mm x 1.000 mm 39.37" x 39.37"	850 mm 33.46"	850 mm 33.46"	ELC1.7.3.11.1	ELC1.7.3.11.2	ELC1.7.3.11.5	ELC1.7.3.11.6
1.050 mm x 1.200 mm 41.34" x 47.24"	1.000 mm 39.37"	850 mm 33.46"	ELC1.7.3.12.1	ELC1.7.3.12.2	ELC1.7.3.12.5	ELC1.7.3.12.6
1.200 mm x 1.050 mm 47.24" x 41.34"	850 mm 33.46	1.000 mm 39.37"	ELC1.7.3.21.1	ELC1.7.3.21.2	ELC1.7.3.21.5	ELC1.7.3.21.6
1.200 mm x 1.200 mm 47.24" x 47.24"	850 mm 33.46	850 mm 33.46"	ELC1.7.3.228.1	ELC1.7.3.228.2	ELC1.7.3.228.5	ELC1.7.3.228.6
1.200 mm x 1.200 mm 47.24" x 47.24"	1.000 mm 39.37	1.000 mm 39.37"	ELC1.7.3.221.1	ELC1.7.3.221.2	ELC1.7.3.221.5	ELC1.7.3.221.6
1.200 mm x 1.350 mm 47.24" x 53.15"	1.000 mm 39.37	850 mm 33.46"	ELC1.7.3.23.1	ELC1.7.3.23.2	ELC1.7.3.23.5	ELC1.7.3.23.6
1.350 mm x 1.200 mm 53.15" x 47.24"	850 mm 33.46	1.000 mm 39.37"	ELC1.7.3.32.1	ELC1.7.3.32.2	ELC1.7.3.32.5	ELC1.7.3.32.6
1.400 mm x 1.400 mm 55.12" x 55.12"	1.000 mm 39.37	1.000 mm 39.37"	ELC1.7.3.44.1	ELC1.7.3.44.2	ELC1.7.3.44.5	ELC1.7.3.44.6

Linkage form 4

Size W x D	TD1	TD2	ergo-line	ergo-line ESD	Solid core	Mulitplex
1.000 mm x 1.000 mm 39.37" x 39.37"	850 mm 33.46"	850 mm 33.46"	ELC1.7.4.11.1	ELC1.7.4.11.2	ELC1.7.4.11.5	ELC1.7.4.11.6
1.050 mm x 1.200 mm 41.34" x 47.24"	1.000 mm 39.37"	850 mm 33.46"	ELC1.7.4.12.1	ELC1.7.4.12.2	ELC1.7.4.12.5	ELC1.7.4.12.6
1.200 mm x 1.050 mm 47.24" x 41.34"	850 mm 33.46	1.000 mm 39.37"	ELC1.7.4.21.1	ELC1.7.4.21.2	ELC1.7.4.21.5	ELC1.7.4.21.6
1.200 mm x 1.200 mm 47.24" x 47.24"	850 mm 33.46	850 mm 33.46"	ELC1.7.4.228.1	ELC1.7.4.228.2	ELC1.7.4.228.5	ELC1.7.4.228.6
1.200 mm x 1.200 mm 47.24" x 47.24"	1.000 mm 39.37	1.000 mm 39.37"	ELC1.7.4.221.1	ELC1.7.4.221.2	ELC1.7.4.221.5	ELC1.7.4.221.6
1.200 mm x 1.350 mm 47.24" x 53.15"	1.000 mm 39.37	850 mm 33.46"	ELC1.7.4.23.1	ELC1.7.4.23.2	ELC1.7.4.23.5	ELC1.7.4.23.6
1.350 mm x 1.200 mm 53.15" x 47.24"	850 mm 33.46	1.000 mm 39.37"	ELC1.7.4.32.1	ELC1.7.4.32.2	ELC1.7.4.32.5	ELC1.7.4.32.6
1.400 mm x 1.400 mm 55.12" x 55.12"	1.000 mm 39.37	1.000 mm 39.37"	ELC1.7.4.44.1	ELC1.7.4.44.2	ELC1.7.4.44.5	ELC1.7.4.44.6

Angle combinations

Due to the variety of angle linking plates, the *elneos connect* furniture system offers a very high flexibility. The construction is basically the same as the basic tables.

All angle links are designed with the ergo-line tabletop edge and thus also complement the work surfaces of the adjacent tables, which are equipped with the alu-line edge.

Linkage form 1

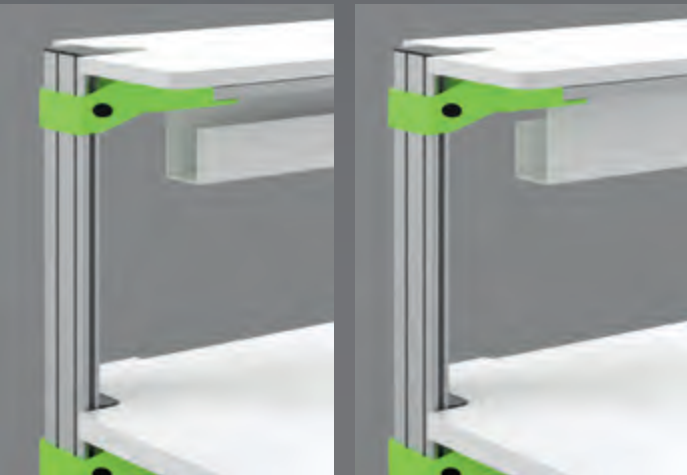| TD1 mm/"	TD2 mm/"	ergo-line	ergo-line ESD	Solid core	Mulitplex
850/33.46	850/33.46	ELC1.7.1.88.1	ELC1.7.1.88.2	ELC1.7.1.88.5	ELC1.7.1.88.6
850/33.46	1.000/39.37	ELC1.7.1.81.1	ELC1.7.1.81.2	ELC1.7.1.81.5	ELC1.7.1.81.6
1.000/39.37	850/33.46	ELC1.7.1.18.1	ELC1.7.1.18.2	ELC1.7.1.18.5	ELC1.7.1.18.6
1.000/39.37	1.000/39.37	ELC1.7.1.11.1	ELC1.7.1.11.2	ELC1.7.1.11.5	ELC1.7.1.11.6

Linkage form 2

TD1 mm/"	TD2 mm/"	ergo-line	ergo-line ESD	Solid core	Mulitplex
850/33.46	850/33.46	ELC1.7.2.88.1	ELC1.7.2.88.2	ELC1.7.2.88.5	ELC1.7.2.88.6
850/33.46	1.000/39.37	ELC1.7.2.81.1	ELC1.7.2.81.2	ELC1.7.2.81.5	ELC1.7.2.81.6
1.000/39.37	850/33.46	ELC1.7.2.18.1	ELC1.7.2.18.2	ELC1.7.2.18.5	ELC1.7.2.18.6
1.000/39.37	1.000/39.37	ELC1.7.2.11.1	ELC1.7.2.11.2	ELC1.7.2.11.5	ELC1.7.2.11.6

Linkage form 5

Size W x D	ergo-line	ergo-line ESD	Solid core	Mulitplex
800 x 400 mm 31,50 x 15.75"	ELC1.7.5.84.1	ELC1.7.5.84.2	ELC1.7.5.84.5	ELC1.7.5.84.6
800 x 600 mm 31,50 x 23.62"	ELC1.7.5.86.1	ELC1.7.5.86.2	ELC1.7.5.86.5	ELC1.7.5.86.6
1000 x 600 mm 39.37 x 23.62"	ELC1.7.5.16.1	ELC1.7.5.16.2	ELC1.7.5.16.5	ELC1.7.5.16.6

Incl. connection fitting and 2 round feet

Linkage form 6

TT1 mm/"	ergo-line	ergo-line ESD	Solid core	Mulitplex
1.000/39.37	ELC1.7.6.88.1	ELC1.7.6.88.2	ELC1.7.6.88.5	ELC1.7.6.88.6
850/33.46	ELC1.7.6.11.1	ELC1.7.6.11.2	ELC1.7.6.11.5	ELC1.7.6.11.6

Incl. connection fitting and 2 round feet.

Note: Supplement the order number with „.**R**" for attachment on the right and with ".**L**" for attachment on the left.

Storage shelves

Straight boards, variable height
19 mm thick chipboard, laminate coated, edges all around with high impact resistant 2 mm ABS plastic profile; infinitely height adjustable including underbuilt aluminum profile with functional grooves.

Decor: front white

Alternative version: without under-mounted aluminum profile, for direct support on horizontal Expand Profile 2; both in ESD version (volume-conductive).

Tiltable storage boards, variable height
19 mm thick chipboard, laminate coated, edges all around with high impact resistant 2 mm ABS plastic profile; continuously height adjustable and inclinable; on front with recessed anti-slip edge, including underbuilt aluminum profile with functional grooves.

Decor: front white

Alternative version: ESD version

Type 1 – entire table width
The board encloses the rear foot profiles and extends to the outer edge of the table.

Type 2 – between rear foot profiles
The board is placed between the rear foot profiles. The board can be tilted 15° to the left and the right by simply loosening a screw. Optionally, a toggle clamp lever can be ordered for free adjustment.

Straight storage boards					
Lengths	**Depths**	**with underbuilt profile**		**without underbuilt profile**	
		Standard	ESD	Standard	ESD
1.200 mm 47.24"	360 mm / 14.17"	ELC3.1.1231	ELC3.1.1232	ELC3.2.1231	ELC3.2.1232
	500 mm / 19.69"	ELC3.1.1251	ELC3.1.1252	ELC3.2.1251	ELC3.2.1252
1.600 mm 62.99"	360 mm / 14.17"	ELC3.1.1631	ELC3.1.1632	ELC3.2.1631	ELC3.2.1632
	500 mm / 19.69"	ELC3.1.1651	ELC3.1.1652	ELC3.2.1651	ELC3.2.1652
1.800 mm 70.87"	360 mm / 14.17"	ELC3.1.1831	ELC3.1.1832	ELC3.2.1831	ELC3.2.1832
	500 mm / 19.69"	ELC3.1.1851	ELC3.1.1852	ELC3.2.1851	ELC3.2.1852
2.000 mm 78.74"	360 mm / 14.17"	ELC3.1.2031	ELC3.1.2032	ELC3.2.2031	ELC3.2.2032
	500 mm / 19.69"	ELC3.1.2051	ELC3.1.2052	ELC3.2.2051	ELC3.2.2052

Inclinable storage boards		Type 1 – entire table width		Type 2 – between rear foot profiles	
Lengths	**Depths**	**with aluminum profile underneath**		**with aluminum profile underneath**	
		Type 1 Standard	Type 1 ESD	Type 2 Standard	Type 2 ESD
1.200 mm 47.24"	360 mm / 14.17"	ELC3.3.1231	ELC3.3.1232	ELC3.4.1231	ELC3.4.1232
	500 mm / 19.69"	ELC3.3.1251	ELC3.3.1252	ELC3.4.1251	ELC3.4.1252
1.600 mm 62.99"	360 mm / 14.17"	ELC3.3.1631	ELC3.3.1632	ELC3.4.1631	ELC3.4.1632
	500 mm / 19.69"	ELC3.3.1651	ELC3.3.1652	ELC3.4.1651	ELC3.4.1652
1.800 mm 70.87"	360 mm / 14.17"	ELC3.3.1831	ELC3.3.1832	ELC3.4.1831	ELC3.4.1832
	500 mm / 19.69"	ELC3.3.1851	ELC3.3.1852	ELC3.4.1851	ELC3.4.1852
2.000 mm 78.74"	360 mm / 14.17"	ELC3.3.2031	ELC3.3.2032	ELC3.4.2031	ELC3.4.2032
	500 mm / 19.69"	ELC3.3.2051	ELC3.3.2052	ELC3.4.2051	ELC3.4.2052
Toggle clamp lever (optional) **Order No.** ELC3.3.KKH					

Cable trays for storage shelves
For accommodating large quantities of cables, socket strips, etc. Mounted directly under the board. Open at the front or rear.
Size approx. 150 x 65 mm.

Cable trays for storage shelves		
Cable tray for table length	**Cable tray open at the front**	**Cable tray open to the rear**
1.200 mm / 47.24"	ELC3.5.1200.1	ELC3.5.1200.2
1.600 mm / 62.99"	ELC3.5.1600.1	ELC3.5.1600.2
1.800 mm / 70.87"	ELC3.5.1800.1	ELC3.5.1800.2
2.000 mm / 78.74"	ELC3.5.2000.1	ELC3.5.2000.2

Storage shelves for angle combinations

erfi

Corner storage board

The boards are continuously adjustable in height and are supplied with an aluminum profile with functional grooves underneath. The board is made of 20 mm thick laminated chipboard. The edges are covered all around with highly impact resistant 2 mm ABS plastic profile.

Decor: front white

Alternative design: Without underbuilt aluminum profile for direct support on horizontal Expand Profile 2; in each case in volume-conductive ESD design.

The illustration shows at the top left the linkage form 1 and top right the linkage form 2.

Corner storage board – Linkage form 1

Table size W x D	Board D mm/"	Fixed with Alu profile below		Fixed without Alu profile below		Inclinable with Alu profile	
		Standard fix	ESD fix	Standard fix	ESD fix	Standard tilting	ESD tilting
850 x 850 mm 33.46" x 33.46"	360 / 14.17	ELC3.5.8831.1	ELC3.5.8831.2	ELC3.5.8831.3	ELC3.5.8831.4	ELC3.5.8831.5	ELC3.5.8831.6
	500 / 19.69	ELC3.5.8851.1	ELC3.5.8851.2	ELC3.5.8851.3	ELC3.5.8851.4	ELC3.5.8851.5	ELC3.5.8851.6
850 x 1.000 mm 33.46" x 39.37"	360 / 14.17	ELC3.5.8131.1	ELC3.5.8131.2	ELC3.5.8131.3	ELC3.5.8131.4	ELC3.5.8131.5	ELC3.5.8131.6
	500 / 19.69	ELC3.5.8151.1	ELC3.5.8151.2	ELC3.5.8151.3	ELC3.5.8151.4	ELC3.5.8151.5	ELC3.5.8151.6
1.000 x 850 mm 39.37" x 33.46"	360 / 14.17	ELC3.5.1831.1	ELC3.5.1831.2	ELC3.5.1831.3	ELC3.5.1831.4	ELC3.5.1831.5	ELC3.5.1831.6
	500 / 19.69	ELC3.5.1851.1	ELC3.5.1851.2	ELC3.5.1851.3	ELC3.5.1851.4	ELC3.5.1851.5	ELC3.5.1851.6
1.000 x 1.000 mm 39.37" x 39.37"	360 / 14.17	ELC3.5.1131.1	ELC3.5.1131.2	ELC3.5.1131.3	ELC3.5.1131.4	ELC3.5.1131.5	ELC3.5.1131.6
	500 / 19.69	ELC3.5.1151.1	ELC3.5.1151.2	ELC3.5.1151.3	ELC3.5.1151.4	ELC3.5.1151.5	ELC3.5.1151.6
1.050 x 1.200 mm 41.34" x 47.24"	360 / 14.17	ELC3.5.1231.1	ELC3.5.1231.2	ELC3.5.1231.3	ELC3.5.1231.4	ELC3.5.1231.5	ELC3.5.1231.6
	500 / 19.69	ELC3.5.1251.1	ELC3.5.1251.2	ELC3.5.1251.3	ELC3.5.1251.4	ELC3.5.1251.5	ELC3.5.1251.6
1.200 x 1.050 mm 47.24" x 41.34"	360 / 14.17	ELC3.5.2131.1	ELC3.5.2131.2	ELC3.5.2131.3	ELC3.5.2131.4	ELC3.5.2131.5	ELC3.5.2131.6
	500 / 19.69	ELC3.5.2151.1	ELC3.5.2151.2	ELC3.5.2151.3	ELC3.5.2151.4	ELC3.5.2151.5	ELC3.5.2151.6
1.200 x 1.200 mm 47.24" x 47.24"	360 / 14.17	ELC3.5.2231.1	ELC3.5.2231.2	ELC3.5.2231.3	ELC3.5.2231.4	ELC3.5.2231.5	ELC3.5.2231.6
	500 / 19.69	ELC3.5.2251.1	ELC3.5.2251.2	ELC3.5.2251.3	ELC3.5.2251.4	ELC3.5.2251.5	ELC3.5.2251.6
1.200 x 1.350 mm 47.24" x 53.15"	360 / 14.17	ELC3.5.2331.1	ELC3.5.2331.2	ELC3.5.2331.3	ELC3.5.2331.4	ELC3.5.2331.5	ELC3.5.2331.6
	500 / 19.69	ELC3.5.2351.1	ELC3.5.2351.2	ELC3.5.2351.3	ELC3.5.2351.4	ELC3.5.2351.5	ELC3.5.2351.6
1.350 x 1.200 mm 53.15" x 47.24"	360 / 14.17	ELC3.5.3231.1	ELC3.5.3231.2	ELC3.5.3231.3	ELC3.5.3231.4	ELC3.5.3231.5	ELC3.5.3231.6
	500 / 19.69	ELC3.5.3251.1	ELC3.5.3251.2	ELC3.5.3251.3	ELC3.5.3251.4	ELC3.5.3251.5	ELC3.5.3251.6
1.400 x 1.400 mm 55.12" x 55.12"	360 / 14.17	ELC3.5.4431.1	ELC3.5.4431.2	ELC3.5.4431.3	ELC3.5.4431.4	ELC3.5.4431.5	ELC3.5.4431.6
	500 / 19.69	ELC3.5.4451.1	ELC3.5.4451.2	ELC3.5.4451.3	ELC3.5.4451.4	ELC3.5.4451.5	ELC3.5.4451.6

Corner storage board – Linkage form 2

Table size W x D	Board D mm/"	Fixed with Alu profile below		Fixed without Alu profile below		Inclinable with Alu profile	
		Standard fix	ESD fix	Standard fix	ESD fix	Standard tilting	ESD tilting
850 x 850 mm 33.46" x 33.46"	360 / 14.17	ELC3.6.8831.1	ELC3.6.8831.2	ELC3.6.8831.3	ELC3.6.8831.4	ELC3.6.8831.5	ELC3.6.8831.6
	500 / 19.69	ELC3.6.8851.1	ELC3.6.8851.2	ELC3.6.8851.3	ELC3.6.8851.4	ELC3.6.8851.5	ELC3.6.8851.6
850 x 1.000 mm 33.46" x 39.37"	360 / 14.17	ELC3.6.8131.1	ELC3.6.8131.2	ELC3.6.8131.3	ELC3.6.8131.4	ELC3.6.8131.5	ELC3.6.8131.6
	500 / 19.69	ELC3.6.8151.1	ELC3.6.8151.2	ELC3.6.8151.3	ELC3.6.8151.4	ELC3.6.8151.5	ELC3.6.8151.6
1.000 x 850 mm 39.37" x 33.46"	360 / 14.17	ELC3.6.1831.1	ELC3.6.1831.2	ELC3.6.1831.3	ELC3.6.1831.4	ELC3.6.1831.5	ELC3.6.1831.6
	500 / 19.69	ELC3.6.1851.1	ELC3.6.1851.2	ELC3.6.1851.3	ELC3.6.1851.4	ELC3.6.1851.5	ELC3.6.1851.6
1.000 x 1.000 mm 39.37" x 39.37"	360 / 14.17	ELC3.6.1131.1	ELC3.6.1131.2	ELC3.6.1131.3	ELC3.6.1131.4	ELC3.6.1131.5	ELC3.6.1131.6
	500 / 19.69	ELC3.6.1151.1	ELC3.6.1151.2	ELC3.6.1151.3	ELC3.6.1151.4	ELC3.6.1151.5	ELC3.6.1151.6
1.050 x 1.200 mm 41.34" x 47.24"	360 / 14.17	ELC3.6.1231.1	ELC3.6.1231.2	ELC3.6.1231.3	ELC3.6.1231.4	ELC3.6.1231.5	ELC3.6.1231.6
	500 / 19.69	ELC3.6.1251.1	ELC3.6.1251.2	ELC3.6.1251.3	ELC3.6.1251.4	ELC3.6.1251.5	ELC3.6.1251.6
1.200 x 1.050 mm 47.24" x 41.34"	360 / 14.17	ELC3.6.2131.1	ELC3.6.2131.2	ELC3.6.2131.3	ELC3.6.2131.4	ELC3.6.2131.5	ELC3.6.2131.6
	500 / 19.69	ELC3.6.2151.1	ELC3.6.2151.2	ELC3.6.2151.3	ELC3.6.2151.4	ELC3.6.2151.5	ELC3.6.2151.6
1.200 x 1.200 mm 47.24" x 47.24"	360 / 14.17	ELC3.6.2231.1	ELC3.6.2231.2	ELC3.6.2231.3	ELC3.6.2231.4	ELC3.6.2231.5	ELC3.6.2231.6
	500 / 19.69	ELC3.6.2251.1	ELC3.6.2251.2	ELC3.6.2251.3	ELC3.6.2251.4	ELC3.6.2251.5	ELC3.6.2251.6
1.200 x 1.350 mm 47.24" x 53.15"	360 / 14.17	ELC3.6.2331.1	ELC3.6.2331.2	ELC3.6.2331.3	ELC3.6.2331.4	ELC3.6.2331.5	ELC3.6.2331.6
	500 / 19.69	ELC3.6.2351.1	ELC3.6.2351.2	ELC3.6.2351.3	ELC3.6.2351.4	ELC3.6.2351.5	ELC3.6.2351.6
1.350 x 1.200 mm 53.15" x 47.24"	360 / 14.17	ELC3.6.3231.1	ELC3.6.3231.2	ELC3.6.3231.3	ELC3.6.3231.4	ELC3.6.3231.5	ELC3.6.3231.6
	500 / 19.69	ELC3.6.3251.1	ELC3.6.3251.2	ELC3.6.3251.3	ELC3.6.3251.4	ELC3.6.3251.5	ELC3.6.3251.6
1.400 x 1.400 mm 55.12" x 55.12"	360 / 14.17	ELC3.6.4431.1	ELC3.6.4431.2	ELC3.6.4431.3	ELC3.6.4431.4	ELC3.6.4431.5	ELC3.6.4431.6
	500 / 19.69	ELC3.6.4451.1	ELC3.6.4451.2	ELC3.6.4451.3	ELC3.6.4451.4	ELC3.6.4451.5	ELC3.6.4451.6

Functional profiles for storage shelves

Stopper edge

Functional groove top

Functional groove top

Stopper edge

Indication Light: Informs about the current status of the laboratory table.

RGB LED light: Illuminates the work surface according to your wishes! Dimmable, swivel and adjustable light color!
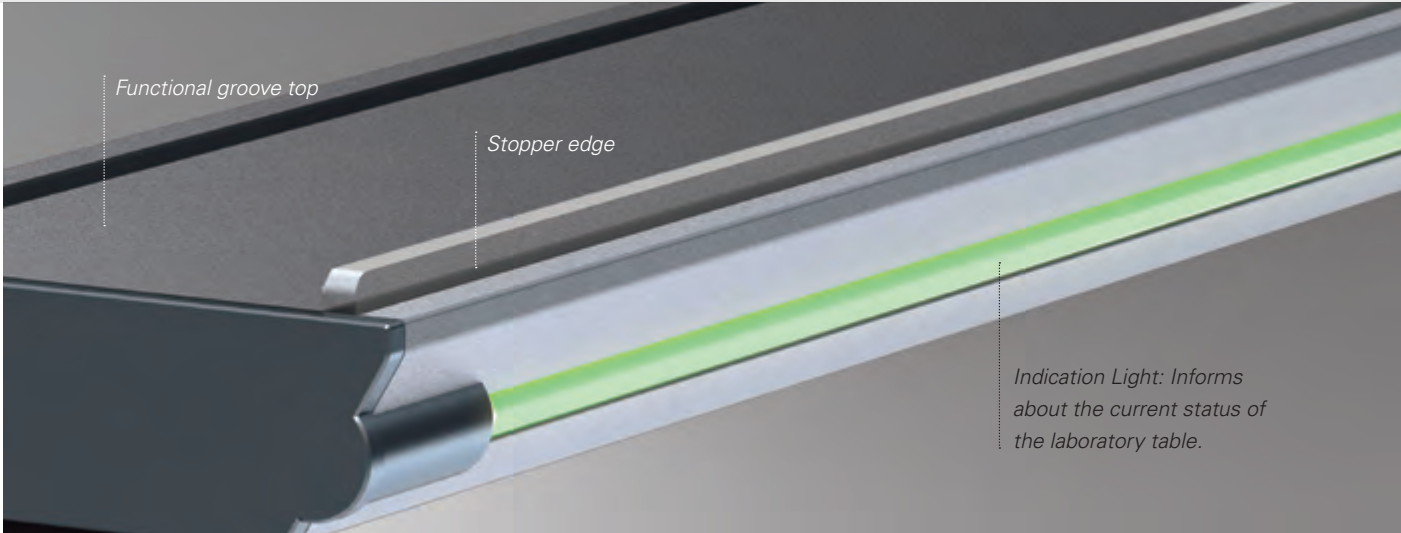
Indication Light

Top aluminum functional profile
The Top aluminum profile at the front provides intelligent impact protection at the shelf level and enables intelligent connections of many system components thanks to functional grooves on the top and bottom. The profile already has a front-side stopper edge as standard, which is particularly advantageous for tiltable storage boards and at the same time forms a defined stop.

The functional profiles for storage boards
The front edge of the storage board can be additionally equipped with two innovative aluminum profiles Top and Toplight.

Toplight aluminum functional profile
Like the Top profile, the Toplight profile has one functional groove each on the top and bottom side, as well as a stopper edge. As an option, the profile can accommodate the new swiveling and dimmable RGB LED light as well as the Indication Light at the front (see following pages). On the underside, the profile has a receptacle for the newly developed LED light family.

Basic version: without light

Option 1: LED light with white LEDs; swivels and can be dimmed by means of a contactless sensor.

Option 2: with additional RGB LEDs; light color additionally tunable by means of second contactless sensor.

Option 3: with Indication Light; the Indication Light is located on the front side of the aluminum profile and has its own intelligence. It always shows the current status of the laboratory table and thus decisively improves safety at the workplace.

Top aluminum functional profile, front side	
Board length	**Order no.**
1.200 mm / 47.24"	ELC2.3.1200
1.600 mm / 62.99"	ELC2.3.1600
1.800 mm / 70.87"	ELC2.3.1800
2.000 mm / 78.74"	ELC2.3.2000

Toplight aluminum functional profile, front side	
Board length	**Order no.**
1.200 mm / 47.24"	ELC2.4.1200
1.600 mm / 62.99"	ELC2.4.1600
1.800 mm / 70.87"	ELC2.4.1800
2.000 mm / 78.74"	ELC2.4.2000

Note: Order numbers for the LED lights and the indication light can found on the following pages.

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LED workstation lights

Sensor-controlled LED task light

The innovative task lights from *elneos connect* have been developed in such a way that they do not take up any additional space at the workplace and at the same time guarantee maximum benefit and comfort. Intelligent sensors take over complete control of the lighting technology. The luminaires can be switched and dimmed without contact – the light color and light climate are also adjusted without contact using the latest sensor technology.

A slight approach of the hand to the corresponding sensor causes the luminaire to adjust its color spectrum according to an intelligent algorithm. Once the desired light climate has been reached, the hand can be removed from the sensor and the luminaire retains the set color. The last set light climate is saved (memory effect). The new luminaires are based on modern LED technology. The in-house development of the luminaire family made new concepts possible and the in-house production of the luminaires at the Freudenstadt plant guarantees consistently high quality and the best service.

The lights are invisibly installed in the Toplight aluminum functional profile (see previous page), have an integrated glare shield and can be swiveled. No additional space is required underneath the shelf or appliance cockpit.
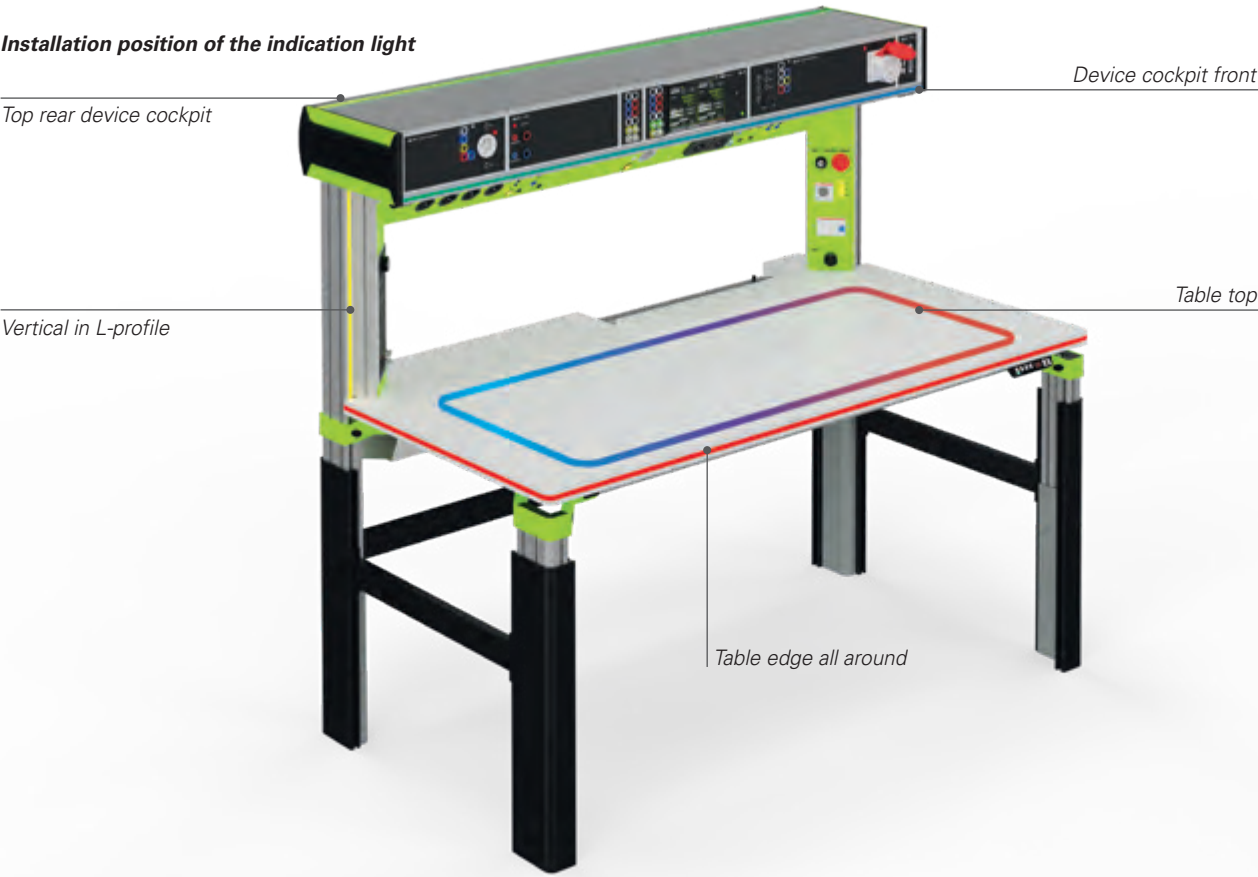
Special properties

- Invisible LED task light, built into the Toplight aluminum functional profile
- No loss of space under the board or cockpit
- Pivoting luminaire for optimum light control
- Integrated glare protection
- With white LEDs or with additional RGB LEDs (mixed configuration in each case with high-performance LEDs)
- Contactless sensor for switching & dimming
- Contactless sensor for controlling the light climate. An algorithm enables the desired light color to be set.
- Uniform, high-contrast and reflection-free illumination of the work surface without shadows thanks to premium LEDs, color-fast.
- Interface for external control via I2C bus interface. This means that the luminaire can also be controlled remotely via the new elneos six device series.
- Different length variants, matched to the respective table lengths.
- Can be retrofitted to the Toplight aluminum functional profile at any time.
- The luminaire body can also be used on its own without the Toplight aluminum functional profile, as the luminaire body consists of a compact aluminum profile.

Sensor-controlled RGB LED task light with white and RGB premium high-performance LEDs			
Table length	Integrated in Toplight radio profile	Without functional profile Toplight	
1.200 mm / 47.24"	ELC2.7.1200.FA	ELC2.8.1200.F	• High-performance LEDs for high light output
1.600 mm / 62.99"	ELC2.7.1600.FA	ELC2.8.1600.F	• Sensor-switchable, dimmable and swivel-mounted • Integrated glare protection
1.800 mm / 70.87"	ELC2.7.1800.FA	ELC2.8.1800.F	• Additional sensor for controlling the light color • I²C bus interface
2.000 mm / 78.74"	ELC2.7.2000.FA	ELC2.8.2000.F	
Additional light strips for even better illumination: table length 1,200, 1,600, 2,000 mm, **Order no.:** ELC2.ZLS			
Optionally with Bluetooth control+ erfi app: Order no.: ELC2.BT			

Intelligent indication light

... with status and live measured value display

Installation position of the indication light

Top rear device cockpit

Device cockpit front

Vertical in L-profile

Table top

Table edge all around

Example: Measured value display, display of the current value of voltage and current

Live measured value e.g. voltage current

Live measured value e.g.

Intelligent indication light

The indication light has a self-sufficient power supply and its own control electronics. This means that this important safety function works independently and faultlessly at all times. The indication light makes a decisive contribution to improving function and safety in the workplace.

Measured value visualization

Indication light with maximum flexibility – when function meets design!

The new indication lighting system can be integrated at any point in the workplace and, with its curved, elegant shape, adapts seamlessly to modern working environments. Whether horizontally across the entire table width on table superstructures, table tops or vertically, following curved shapes - this system offers unlimited flexibility and sets stylish accents.

The system can now even be installed in table surfaces at any integrated into the site.

Innovative functions: Real-time measured value visualization for maximum precision

This advanced indication light system takes the display of measured values to a whole new level. It dynamically visualizes the live measured values of the elneos six device system in real time and without any delay - precise, reliable and clearly structured. Thanks to the direct connection to the modern data bus of the device system, current measured values are immediately displayed on the light strip. Whether as a dynamic running light, segmented bar display or continuous color gradient – the system offers a wide range of display options. Different colors and gradients ensure intuitive data acquisition.

Example: Measured value display, display / monitoring of limit values

Minimum value e.g. blue

Live measured value

Maximum value e.g. red

Safety redefined: Limit value monitoring with visual feedback

The indication light system not only offers an impressive display of real-time data, but also makes a significant contribution to increasing workplace safety. It visualizes minimum and maximum values on the light strip and enables the user to keep an eye on the current situation at all times. If limit values are exceeded, the system warns with colored signals - flashing in specific colors immediately informs about potential dangers.

More safety and control in the workplace

With the new real-time measured value monitoring, this indication light sets new standards for safety and efficiency in the workplace. Thanks to its intelligent visualization and flexible mounting options, it not only ensures a modern, tidy appearance, but also maximum security and control.

Table status display

The indication light can inform the user and others about the current status of the laboratory workstation in parallel with the measured value visualization (uniform illumination). However, pulsing and flashing are also possible as well as the display of a pressed emergency stop.

Example states of the indication colors

Normal state: Laboratory table is is switched on and operates normally.
Danger: e.g. limit values exceeded (voltage/current limit values of multimeters, generators, etc.).
Device statuses: Devices with low voltage are enabled.
Device statuses: Devices with extra-low voltage and low voltage are enabled.

The indication light from erfi – the indispensable Security solution that takes your workplace to the next level!

Connection options for the indication light

A= Table statuses: Normal, danger, device states (low voltage, low and low voltage)

B= Measured value visualization in conjunction with the *elneos six* control center

C = Own control: the colors red, green, and blue are displayed on safety laboratory sockets.

Installation position of the indication light

1. Table edge at the front
2. Table edge all around
3. Table top
4. Device structure top side, rear
5. Device structure front side
6. Device cockpit top side, rear
7. Device cockpit front
8. Front shelf
9. Vertical in L-profile (aluminum base profile) left and right

Order note

Please replace the „x" with the desired Replace connection A, B or C!
Please replace the „y" with the desired Replace installation position 1, 2, 3, 4, 5, 6, 7, 8 or 9!

RBG LED indication light	
Horizontal installation position 1–8	
Table lengths	
1.200 mm / 47.24"	ELC2.9.1200.I.x.y
1.600 mm / 62.99"	ELC2.9.1600.I.x.y
1.800 mm / 70.87"	ELC2.9.1800.I.x.y
2.000 mm / 78.74"	ELC2.9.2000.I.x.y
Vertical installation position 9	
Table heights	
1.200 mm / 47.24"	ELC2.9.1200.IV.x.y
1.400 mm / 55.12"	ELC2.9.1400.IV.x.y
1.600 mm / 62.99"	ELC2.9.1600.IV.x.y
1.800 mm / 70.87"	ELC2.9.1800.IV.x.y
2.000 mm / 78.74"	ELC2.9.2000.IV.x.y

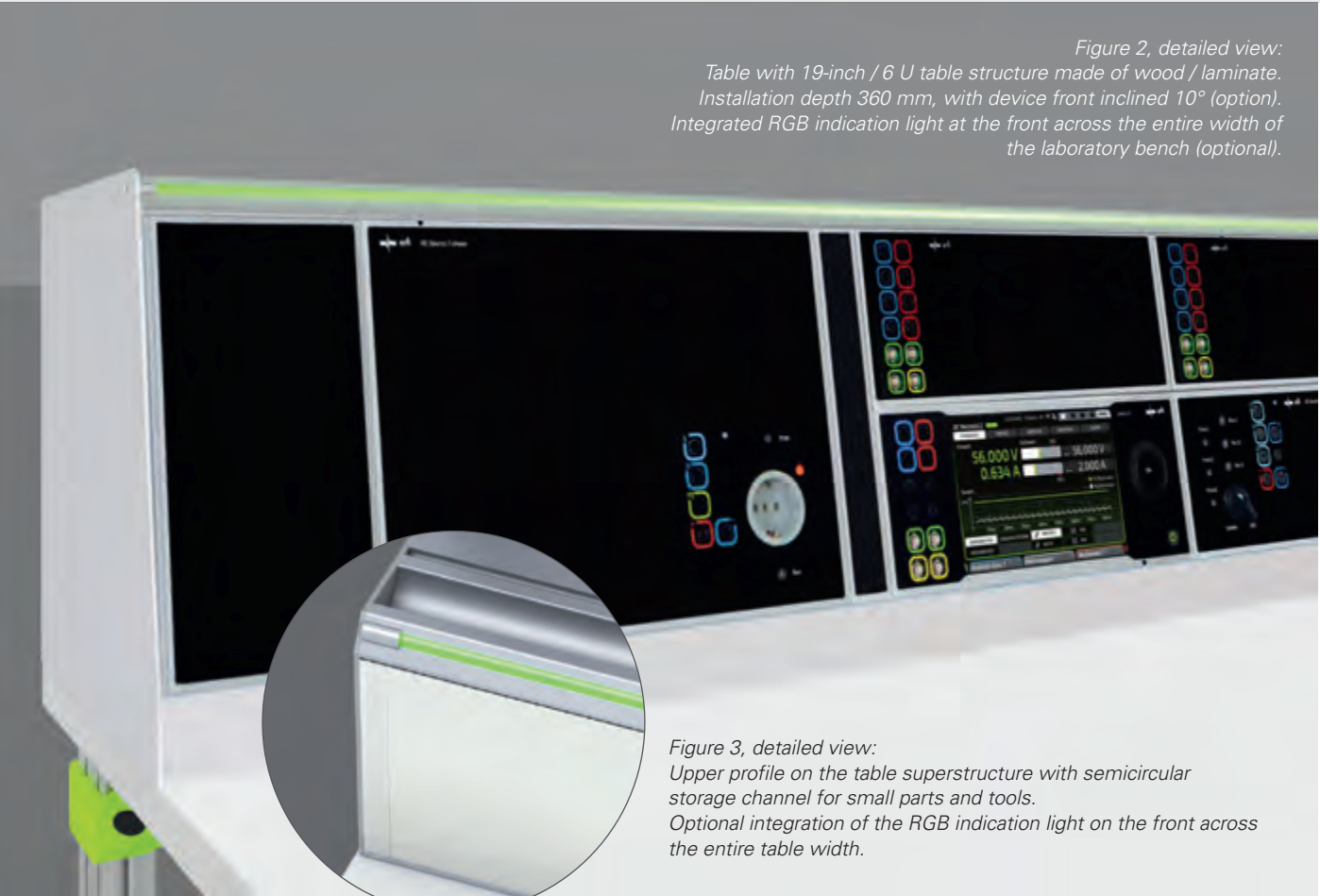erfi

19-inch table superstructures wood/laminate

Figure 2, detailed view:
Table with 19-inch / 6 U table structure made of wood / laminate.
Installation depth 360 mm, with device front inclined 10° (option).
Integrated RGB indication light at the front across the entire width of
the laboratory bench (optional).

Figure 3, detailed view:
Upper profile on the table superstructure with semicircular
storage channel for small parts and tools.
Optional integration of the RGB indication light on the front across
the entire table width.

19-inch desk superstructures 3 U and 6 U
Suitable for all standardized 19-inch device systems; incl. front-side aluminium function profile at the top. The aluminum profile has a semicircular storage channel on the top, which is ideal for small parts and tools.

Top panel and base panel are made of wood/laminate. The table superstructures include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial and full racks. Standardized plug connectors according to DIN 41612 type H 15.

19-inch table superstructures 3 U and 6 U					
Length/BK*	**Depth**	**Height 3 U** (H total 172 mm / 6.77")		**Height 6 U** (H total 305 mm / 12.01")	
	mm / inch	**Standard**	**ESD**	**Standard**	**ESD**
1.200 mm / 47.24" 235 TE/DU	270 / 10.63	ELC4.3.1221	ELC4.3.1222	ELC4.4.1221	ELC4.4.1222
	360 / 14.17	ELC4.3.1231	ELC4.3.1232	ELC4.4.1231	ELC4.4.1232
	500 / 19.69	ELC4.3.1251	ELC4.3.1252	ELC4.4.1251	ELC4.4.1252
1.600 mm / 62.99" 313 TE/DU	270 / 10.63	ELC4.3.1621	ELC4.3.1622	ELC4.4.1621	ELC4.4.1622
	360 / 14.17	ELC4.3.1631	ELC4.3.1632	ELC4.4.1631	ELC4.4.1632
	500 / 19.69	ELC4.3.1651	ELC4.3.1652	ELC4.4.1651	ELC4.4.1652
1.800 mm / 70.87" 353 TE/DU	270 / 10.63	ELC4.3.1821	ELC4.3.1822	ELC4.4.1821	ELC4.4.1822
	360 / 14.17	ELC4.3.1831	ELC4.3.1832	ELC4.4.1831	ELC4.4.1832
	500 / 19.69	ELC4.3.1851	ELC4.3.1852	ELC4.4.1851	ELC4.4.1852
2.000 mm / 78.74" 392 TE/DU	270 / 10.63	ELC4.3.2021	ELC4.3.2022	ELC4.4.2021	ELC4.4.2022
	360 / 14.17	ELC4.3.2031	ELC4.3.2032	ELC4.4.2031	ELC4.4.2032
	500 / 19.69	ELC4.3.2051	ELC4.3.2052	ELC4.4.2051	ELC4.4.2052
Device front inclined 10°, order no. ELC4.5.0001 (independent of size)					

Figure 1:
Table with 19-inch / 3 U table structure, inclined 10° (option).
Integrated RGB indication light at the front across t
he entire width of the laboratory bench (option).
Table-top structure equipped with the elneos six
control center with 8-inch multi-touch display,
among other things, 3D gesture control and voice control.

19-inch table superstructures aluminum

Figure 3, detailed view:
Table example with 19-inch aluminum table top 3 U.
Installation depth 2 = 360 mm / 14.17".
Side functional element in green, RAL DESIGN 1107070. Integrated
RGB indication light at the top and front across the entire width of
the laboratory bench (optional).

Figure 1:
Table with 19-inch / 3 U aluminum table structure.
Installation depth 1 = 185 mm with side color
accent in grey RAL DESIGN 5500.
Integrated RGB indication light at the top and front across
the entire width of the laboratory bench (optional).
Table top equipped with the elneos six device series.

Installation depth 1:
185 mm / 7,28"
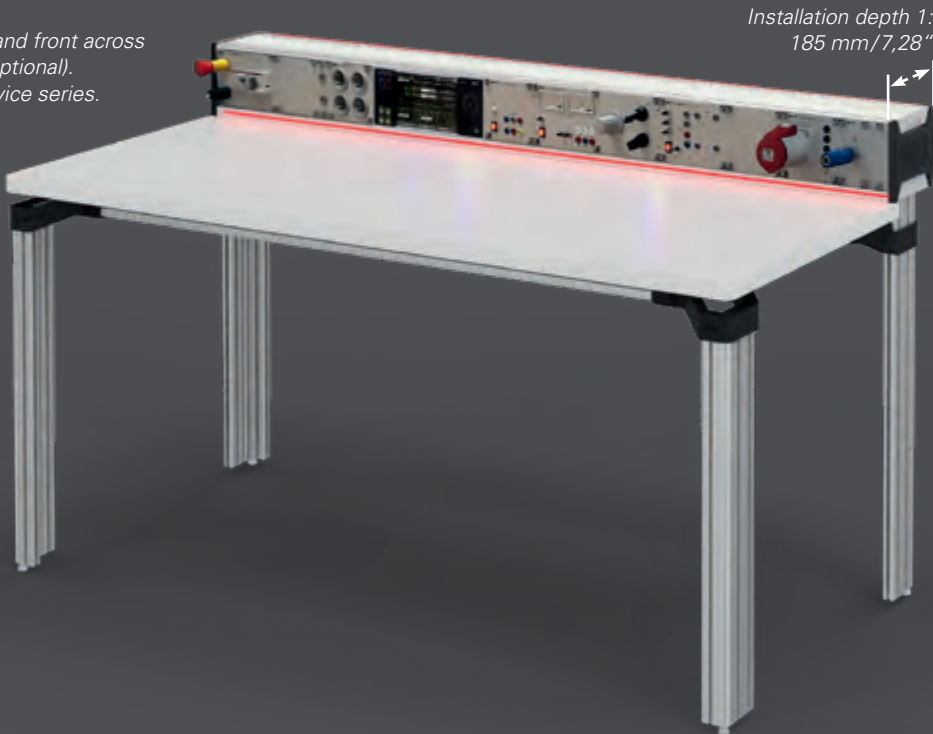
Installation depth 2:
360 mm / 14,17"

Figure 2:
Table with 19-inch / 3 U aluminum table structure.
Installation depth 2= 360 mm with color accent on the side
in green RAL DESIGN 1107070.
Integrated RGB indication light at the top and at the front via the
entire width of the laboratory bench (optional).
Table top equipped with the elneos six device series.

19-inch aluminum table tops 3 U

The 19-inch aluminum table tops are designed to accommodate all 3 U devices from the device series elneos six, elneos five and basic. They include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch part racks in accordance with the DIN 41494 Part 5 standard. Part racks are supplied via standardized plug connectors in accordance with DIN 41612 type H 15.

The side functional elements include a ventilation system that ensures sufficient air flow even when they are lined up! The side functional elements are available in green or gray.

Lighting

The RGB LED indicator lights can be installed either in the top in the front of the aluminum housing (for ordering information, see page 108).

19-inch aluminum table tops 3 U (H total 156 mm)

Table width	color accent*	between L-profiles / expand profile 1			across the entire table width		
		Length Alu-channel mm/" BK**	Installation depth 1 = 185 mm / 7.28"	Installation depth 2 = 360 mm / 14.17"	Length Alu-channel mm/" BK**	Installation depth 1 = 185 mm / 7.28"	Installation depth 2 = 360 mm / 14.17"
1.200 mm 47.24"	green	1.069/42.09 204 TE/DU	ELC4.6.5.1200.1	ELC4.6.6.1200.1	1.200/47.24 230 TE/DU	ELC4.6.3.1200.1	ELC4.6.4.1200.1
	gray		ELC4.6.5.1200.2	ELC4.6.6.1200.2		ELC4.6.3.1200.2	ELC4.6.4.1200.2
1.600 mm 62.99"	green	1.469/57.83 283 TE/DU	ELC4.6.5.1600.1	ELC4.6.6.1600.1	1.600/62.99 309 TE/DU	ELC4.6.3.1600.1	ELC4.6.4.1600.1
	gray		ELC4.6.5.1600.2	ELC4.6.6.1600.2		ELC4.6.3.1600.2	ELC4.6.4.1600.2
1.800 mm 70.87"	green	1.669/65.71 322 TE/DU	ELC4.6.5.1800.1	ELC4.6.6.1800.1	1.800/70.87 348 TE/DU	ELC4.6.3.1800.1	ELC4.6.4.1800.1
	gray		ELC4.6.5.1800.2	ELC4.6.6.1800.2		ELC4.6.3.1800.2	ELC4.6.4.1800.2
2.000 mm 78.74"	green	1.869/73.58 362 TE	ELC4.6.5.2000.1	ELC4.6.6.2000.1	2.000/78.74 387 TE/DU	ELC4.6.3.2000.1	ELC4.6.4.2000.1
	gray		ELC4.6.5.2000.2	ELC4.6.6.2000.2		ELC4.6.3.2000.2	ELC4.6.4.2000.2

* green= RAL DESIGN 1107070, gray= RAL DESIGN 5500,
** BK= Assembly capacity in TE/DU (division unit) 1 TE/DU= 5.08 mm/0.2 inch

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19-inch cockpits of wood/laminate

*Figure 2, detailed view: Table with 19-inch / 3 U cockpit.
Integrated LED workstation lighting and
integrated RGB indication light across
the entire width of the laboratory bench (options).*

19-inch cockpits 3 U and 6 U
Suitable for all standardized 19-inch device systems; incl. Top and Toplight aluminium functional profiles on the front to accommodate the RGB LED lights and indication lighting.

The top and bottom panels are made of wood / laminate. The cockpits include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial and full racks. Standardized plug connectors in accordance with DIN 41612 type H 15.

19-inch cockpits 3 and 6 U					
Length/BK*	**Depth**	**Height 3 U** (H total 172 mm / 6.77")		**Height 6 U** (H total 305 mm / 12.01")	
	mm / inch	**Standard**	**ESD**	**Standard**	**ESD**
1.200 mm / 47.24" 235 TE/DU	270 / 10.63	ELC4.1.1221	ELC4.1.1222	ELC4.2.1221	ELC4.2.1222
	360 / 14.17	ELC4.1.1231	ELC4.1.1232	ELC4.2.1231	ELC4.2.1232
	500 / 19.69	ELC4.1.1251	ELC4.1.1252	ELC4.2.1251	ELC4.2.1252
1.600 mm / 62.99" 313 TE/DU	270 / 10.63	ELC4.1.1621	ELC4.1.1622	ELC4.2.1621	ELC4.2.1622
	360 / 14.17	ELC4.1.1631	ELC4.1.1632	ELC4.2.1631	ELC4.2.1632
	500 / 19.69	ELC4.1.1651	ELC4.1.1652	ELC4.2.1651	ELC4.2.1652
1.800 mm / 70.87" 353 TE/DU	270 / 10.63	ELC4.1.1821	ELC4.1.1822	ELC4.2.1821	ELC4.2.1822
	360 / 14.17	ELC4.1.1831	ELC4.1.1832	ELC4.2.1831	ELC4.2.1832
	500 / 19.69	ELC4.1.1851	ELC4.1.1852	ELC4.2.1851	ELC4.2.1852
2.000 mm / 78.74" 392 TE/DU	270 / 10.63	ELC4.1.2021	ELC4.1.2022	ELC4.2.2021	ELC4.2.2022
	360 / 14.17	ELC4.1.2031	ELC4.1.2032	ELC4.2.2031	ELC4.2.2032
	500 / 19.69	ELC4.1.2051	ELC4.1.2052	ELC4.2.2051	ELC4.2.2052
Gerätefront 10° geneigt, Best.-Nr. ELC4.3.0001 (unabhängig von Baugröße)					

*Figure 1:
Table with 19-inch / 6 U cockpit.
Invisibly integrated LED workstation lighting and integrated RGB indication
light across the entire width of the laboratory bench (options). Table top equipped
with the elneos six appliance series (complete glass appliance front).*

* BK= Assembly capacity in TE/DU (division unit) 1 TE/DU= 5.08 mm/0.2 inch

Allrounder multifunctional pull-out

Figure 1:
*Table with 19-inch / 6 U cockpit, 10° inclined (option)
and integrated Allrounder multifunctional pull-out.*

Allrounder Multifunctional pull-out

*Figure 2:
Cockpit 3 U with integrated
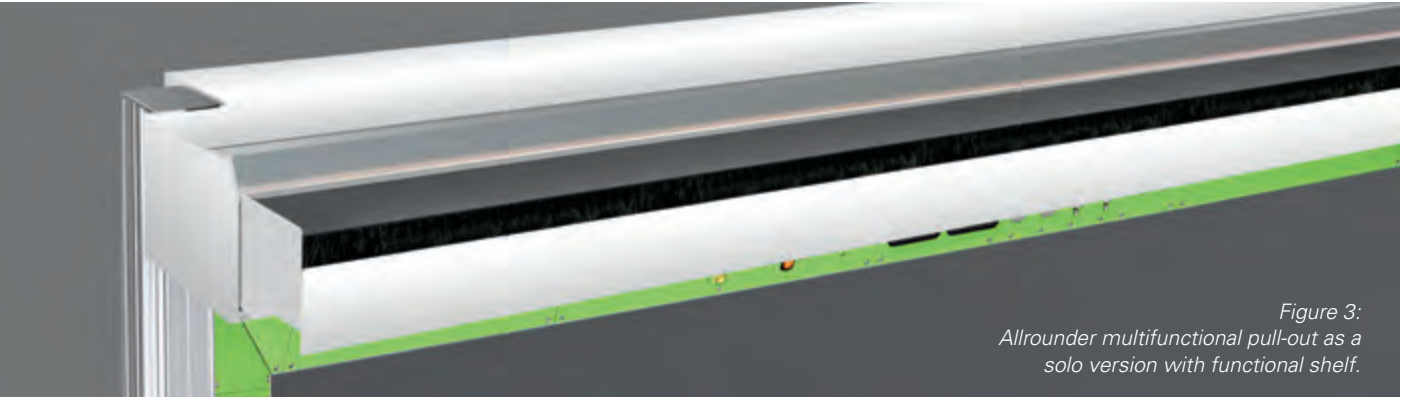Allrounder multifunctional pull-out.*

*Figure 3:
Allrounder multifunctional pull-out as a
solo version with functional shelf.*

Allrounder multifunctional pull-out

The Allrounder multifunctional pull-out is integrated into the appliance cockpit and thus forms a single unit.

It is alternatively available as a solo version, incl. functional shelf on the top. The Toplight aluminum functional profile on the underside can be ordered as an option to accommodate the LED workstation lighting and the RGB indication light.

Features of the all-rounder

- Very simple media routing to the built-in appliances and into the rear aluminum base profiles
- Keeps the workplace tidy
- For professional tool storage, media storage, media management and much more.
- Easy to open and good accessibility
- With high-quality guide, with brush strip at the front
- Lockable on the underside, thus securing valuable tools and other valuables
- Allrounder multifunctional pull-out dimensions: H: 75 mm/2,96" x usable depth 130 mm/5.12". The cockpit is raised by 85 mm in combination with the Allrounder. The solo version has an overall height of 113 mm/4.45".

Allrounder multifunctional pull-out		
Length	**integrated in the cockpit 3 U or 6 U**	**Solo with functional shelf**
1.200 mm / 47.24"	ELC4.7.1.1200	ELC4.7.2.1200
1.600 mm / 62.99"	ELC4.7.1.1600	ELC4.7.2.1600
1.800 mm / 70.87"	ELC4.7.1.1800	ELC4.7.2.1800
2.000 mm / 78.74"	ELC4.7.1.2000	ELC4.7.2.2000
Tool holder , order no. ELC4.7.WH (regardless of size) for mounting in the Allrounder, for professional tool storage		

Installation depth 1:
185 mm / 7,28"

Figure 1:
Table with 19-inch / 3 U aluminum cockpit.
Installation depth 1 = 185 mm with side color
accent in grey RAL DESIGN 5500.
Invisibly integrated LED workstation lighting and integrated
RGB indication light across the entire width of the laboratory
bench (options). Table top equipped with the
elneos six appliance series.

Installation depth 2:
360 mm / 14,17"

Figure 2:
Table with 19-inch / 3 U aluminum cockpit.
Installation depth 2 = 360 mm with side color
accent in green RAL DESIGN 1107070.
Invisibly integrated LED workstation lighting and integrated RGB indication light
across the entire width of the laboratory bench (options).
Table structure equipped with the elneos six device series.

19-inch cockpits aluminum

Figure 3, detailed view:
Table example with 19-inch aluminum 3 U cockpit. Installation
depth 2 = 360 mm / 14.17". Side functional element in green,
RAL DESIGN 1107070.
Integrated LED workstation lighting and
Integrated RGB indication light
across the entire width of the
laboratory bench (options).

19-inch aluminum cockpits 3 U

The 19-inch aluminum cockpits are designed to accommodate all 3 U devices from the elneos six, elneos five and basic device series. The cockpits include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch plug-in units in accordance with DIN 41494 Part 5 standard. Plug-in units are supplied via standardized connectors in accordance with DIN 41612 type H 15.

The side functional elements contain a ventilation system that can also be used when the rows for sufficient air flow! The side functional elements are available in green or gray.

Lighting

The RGB LED indicator lights can be installed either in the top or in the front of the aluminum housing. The modern and sensor-controlled RGB LED workstation light from the elneos connect workstation series is concealed in the underside of the cockpit (ordering information can be found from page 107).

19-inch aluminum cockpits 3 U (H total 156 mm / 6.14")			
Length / BK *	Color accent on the side	Installation depth 1= 185 mm / 7.28"	Installation depth 2= 360 mm / 14.17"
1.200 mm / 47.24" 230 TE/DU	green RAL DESIGN 1107070	ELC4.6.1.1200.1	ELC4.6.2.1200.1
	gray RAL DESIGN 5500	ELC4.6.1.1200.2	ELC4.6.2.1200.2
1.600 mm / 62.99" 309 TE/DU	green RAL DESIGN 1107070	ELC4.6.1.1600.1	ELC4.6.2.1600.1
	gray RAL DESIGN 5500	ELC4.6.1.1600.2	ELC4.6.2.1600.2
1.800 mm / 70.87" 348 TE/DU	green RAL DESIGN 1107070	ELC4.6.1.1800.1	ELC4.6.2.1800.1
	gray RAL DESIGN 5500	ELC4.6.1.1800.2	ELC4.6.2.1800.2
2.000 mm / 78.74" 387 TE/DU	green RAL DESIGN 1107070	ELC4.6.1.2000.1	ELC4.6.2.2000.1
	gray RAL DESIGN 5500	ELC4.6.1.2000.2	ELC4.6.2.2000.2

* BK= Assembly capacity in TE/DU (division unit) 1 TE/DU= 5.08 mm / 0.2 inch

19-inch table superstructures in basic design

Figure 1, detailed view:
Table example with 19-inch / 3 U table structure in Basic version.

**19-inch table superstructures
3 U and 6 U in basic version**
Suitable for all standardized 19-inch device systems. Table structure is made of wood / laminate.

The table superstructures include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial and full racks. Standardized connectors according to DIN 41612 type H 15.

19-inch table superstructures 3 U and 6 U in basic version					
Length/BK*	**Depth**	**Height 3 U** (H total 172 mm / 6.77")		**Height 6 U** (H total 305 mm / 12.01")	
	mm / inch	**Standard**	**ESD**	**Standard**	**ESD**
1.200 mm / 47.24" 224 TE/DU	270/10.63	ELC4.3.1221.B	ELC4.3.1222.B	ELC4.4.1221.B	ELC4.4.1222.B
	360/14.17	ELC4.3.1231.B	ELC4.3.1232.B	ELC4.4.1231.B	ELC4.4.1232.B
	500/19.69	ELC4.3.1251.B	ELC4.3.1252.B	ELC4.4.1251.B	ELC4.4.1252.B
1.600 mm / 62.99" 303 TE/DU	270/10.63	ELC4.3.1621.B	ELC4.3.1622.B	ELC4.4.1621.B	ELC4.4.1622.B
	360/14.17	ELC4.3.1631.B	ELC4.3.1632.B	ELC4.4.1631.B	ELC4.4.1632.B
	500/19.69	ELC4.3.1651.B	ELC4.3.1652.B	ELC4.4.1651.B	ELC4.4.1652.B
1.800 mm / 70.87" 342 TE/DU	270/10.63	ELC4.3.1821.B	ELC4.3.1822.B	ELC4.4.1821.B	ELC4.4.1822.B
	360/14.17	ELC4.3.1831.B	ELC4.3.1832.B	ELC4.4.1831.B	ELC4.4.1832.B
	500/19.69	ELC4.3.1851.B	ELC4.3.1852.B	ELC4.4.1851.B	ELC4.4.1852.B
2.000 mm / 78.74" 382 TE/DU	270/10.63	ELC4.3.2021.B	ELC4.3.2022.B	ELC4.4.2021.B	ELC4.4.2022.B
	360/14.17	ELC4.3.2031.B	ELC4.3.2032.B	ELC4.4.2031.B	ELC4.4.2032.B
	500/19.69	ELC4.3.2051.B	ELC4.3.2052.B	ELC4.4.2051.B	ELC4.4.2052.B
Device front inclined 10°, order no. ELC4.5.0001 (independent of size)					

* BK= Assembly capacity in TE/DU (division unit) 1 TE/DU= 5.08 mm/0.2 inch

19-inch cockpits in basic design

Figure 2, detailed view:
Table with 19-inch / 3 U cockpit in Basic version.

**19-inch cockpits
3 U and 6 U in basic version**
Suitable for all standardized 19-inch device systems. The cockpit rests on top of the rear foot profiles and has no recess.

Cockpit is made of wood / laminate. The cockpits include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial and full racks. Standardized plug connectors according to DIN 41612 type H 15.

19-inch cockpits 3 and 6 U in Basic version (without cut-out for foot profiles, resting on top)					
Length/BK*	**Depth**	**Height 3 U** (H total 172 mm / 6.77")		**Height 6 U** (H total 305 mm / 12.01")	
	mm / inch	**Standard**	**ESD**	**Standard**	**ESD**
1.200 mm / 47.24" 224 TE/DU	270/10.63	ELC4.1.1221.B	ELC4.1.1222.B	ELC4.2.1221.B	ELC4.2.1222.B
	360/14.17	ELC4.1.1231.B	ELC4.1.1232.B	ELC4.2.1231.B	ELC4.2.1232.B
	500/19.69	ELC4.1.1251.B	ELC4.1.1252.B	ELC4.2.1251.B	ELC4.2.1252.B
1.600 mm / 62.99" 303 TE/DU	270/10.63	ELC4.1.1621.B	ELC4.1.1622.B	ELC4.2.1621.B	ELC4.2.1622.B
	360/14.17	ELC4.1.1631.B	ELC4.1.1632.B	ELC4.2.1631.B	ELC4.2.1632.B
	500/19.69	ELC4.1.1651.B	ELC4.1.1652.B	ELC4.2.1651.B	ELC4.2.1652.B
1.800 mm / 70.87" 342 TE/DU	270/10.63	ELC4.1.1821.B	ELC4.1.1822.B	ELC4.2.1821.B	ELC4.2.1822.B
	360/14.17	ELC4.1.1831.B	ELC4.1.1832.B	ELC4.2.1831.B	ELC4.2.1832.B
	500/19.69	ELC4.1.1851.B	ELC4.1.1852.B	ELC4.2.1851.B	ELC4.2.1852.B
2.000 mm / 78.74" 382 TE/DU	270/10.63	ELC4.1.2021.B	ELC4.1.2022.B	ELC4.2.2021.B	ELC4.2.2022.B
	360/14.17	ELC4.1.2031.B	ELC4.1.2032.B	ELC4.2.2031.B	ELC4.2.2032.B
	500/19.69	ELC4.1.2051.B	ELC4.1.2052.B	ELC4.2.2051.B	ELC4.2.2052.B

DIN A4 cockpits

DIN A4- Cockpits

The A4 cockpits made of wood / laminate offer plenty of storage space for files and everyday items. Thanks to the steel frame underneath, the DIN A4 cockpits are particularly resilient. All cockpits are equipped with the Toplight aluminum functional profile to accommodate the RGB LED lights and indication lighting.

Design variants:

- DIN A4 cockpit as an open shelf
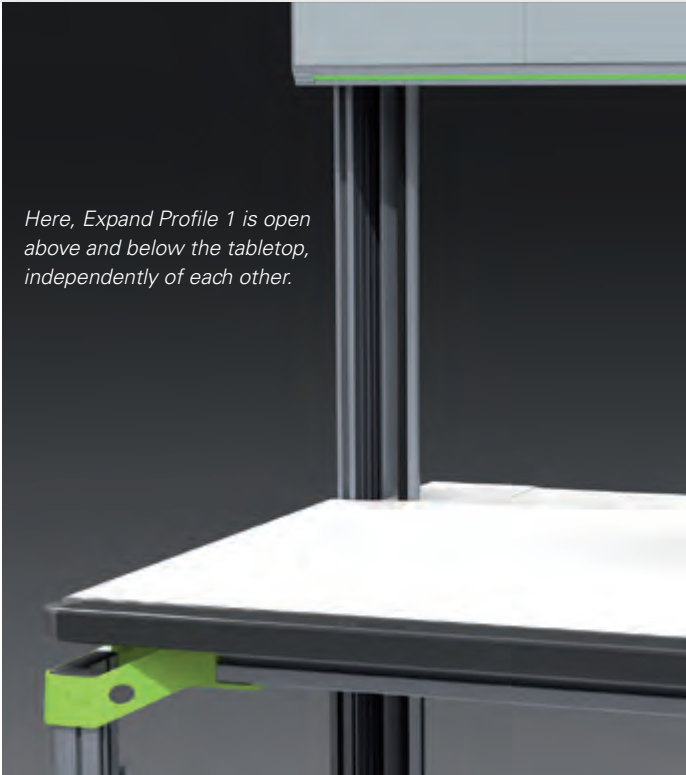- DIN A4 cockpit with sliding doors
- DIN A4 cockpit with roller shuttern

The versions with sliding doors and roller shutters are lockable. The usable height is 330 mm. The open shelf version a usable height of 349 mm. All DIN A4 cockpits have a total height of 387 mm and a depth of 360 mm.

DIN A4 cockpits (total height 387 mm, depth 360 mm)						
	Design variants					
Length	**Open shelf**		**Sliding doors**		**Roller shutter**	
mm / inch	**Standard**	**ESD**	**Standard**	**ESD**	**Standard**	**ESD**
1.200 / 47.24"	ELC4.8.1.1221	ELC4.8.1.1222	ELC4.8.2.1221	ELC4.8.2.1222	ELC4.8.3.1221	ELC4.8.3.1222
1.600 / 62.99"	ELC4.8.1.1621	ELC4.8.1.1622	ELC4.8.2.1621	ELC4.8.2.1622	ELC4.8.3.1621	ELC4.8.3.1622
1.800 / 70.87"	ELC4.8.1.1821	ELC4.8.1.1822	ELC4.8.2.1821	ELC4.8.2.1822	ELC4.8.3.1821	ELC4.8.3.1822
2.000 / 78.74"	ELC4.8.1.2021	ELC4.8.1.2022	ELC4.8.2.2021	ELC4.8.2.2022	ELC4.8.3.2021	ELC4.8.3.2022

Expand Profile 1
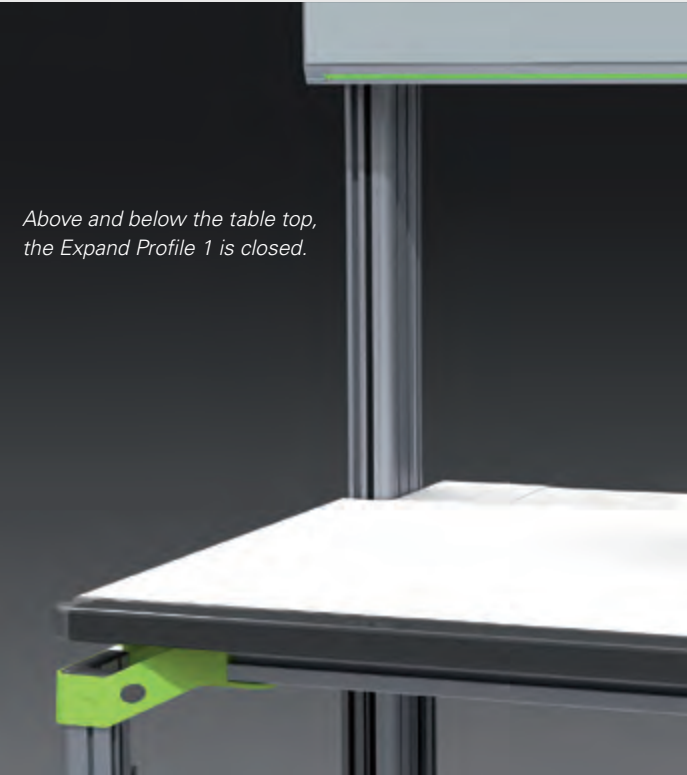
Above and below the table top, the Expand Profile 1 is closed.

Here, Expand Profile 1 is open above and below the tabletop, independently of each other.

Mit dem eingeclipsten Expandprofil 1 lassen sich mühelos verschiedenste Medienkabel nach vorne führen.

The Expand Profile 1 – A clip-on profile
The profile can be elegantly clipped onto the inside of the L-profile. It has two cable chambers and a front brush strip, through which the cables of the front cable chamber can be ideally routed to the front of the user over the entire front height. An internal partition guarantees separation from other media in the cable chamber behind. The entire profile can be elegantly twisted open, allowing excellent access to all media – clip, twist, done!

A specially developed opening mechanism ensures perfect ergonomics. For example, measurement cables can be routed in the front chamber. The rear chamber can accommodate power cables.

This ensures ideal separation of the media in terms of electromagnetic compatibility throughout. The trunking can be mounted on the L-profile at any time. With the L-profile, the Expand Profile 1 creates convertibility while at the same time providing optimum economy. In addition, Expand Profile 1 has two stable grooves on the long side for mounting a wide variety of system components.

The profile is designed to run from the floor through the connector on the inside of the table. This is the ideal way to reach every functional level. In training facilities, the channel can be locked to prevent unauthorized opening.

Split Expand Profile 1
The Expand Profile 1 is already sensibly divided at the factory so that, for example, the area above the tabletop can be opened independently of the area below the tabletop. Expand Profile 1 offers maximum functionality with optimum handling at the same time.

Expand Profile 1		
Length of rear table leg incl. foot plate	**Order no.**	**Note**
702 mm / 27.64″	ELC2.5.0702.x	Front table leg
780 mm / 30.71″	ELC2.5.0780.x	Rear table leg
1.200 mm / 47.24″	ELC2.5.1200.x	Rear table leg
1.400 mm / 55.12″	ELC2.5.1400.x	Rear table leg
1.500 mm / 59.06″	ELC2.5.1500.x	Rear table leg
1.800 mm / 70.87″	ELC2.5.1800.x	Rear table leg
2.000 mm / 78.74″	ELC2.5.2000.x	Rear table leg
2.200 mm / 86.61″	ELC2.5.2200.x	Rear table leg
Ordering information: Please replace the „x" by L = left or R = right.		

Expand Profile 2

The Expand Profile 2 can be installed vertically as well as horizontally. This results in three different installation situations:

1. Vertically only, it is mounted on the inside of the L-profile at the rear. It can also be used only on one side.

2. Horizontally only, it can be mounted underneath storage boards or cockpits, on its own or as a table top assembly.

3. Installed vertically and horizontally it forms the *erfi-Bridge*. The example of the **erfi-Bridge** shown here is equipped with the three sides with the *acto* insert panel system.

The profile size and design were chosen so that 3-phase elements can be integrated quickly. Due to its design, the profile can be used vertically as well as horizontally, serving as a static support profile for storage boards and equipment cockpits. Thus a bridge is formed, which has a very high placement capacity with its horizontal and vertical structure.

The erfi-Bridge allows free cabling from the vertical to the horizontal. The potentially high placement capacity also ensures the necessary the necessary space reserve for future expansion stages.

Exemplary assembly of the pictured erfi-Bridge left

1 x variable compressed air with manometer and 3 quick couplings, 1 x ring cable field with 4 mm laboratory sockets and BNC sockets;

Exemplary assembly of the shown erfi-Bridge horizontal

2 x 4 protective contact sockets left and right, 1 x rotary low voltage with 3 x 17,5 V, 1 x isolating transformer 230 V /100 VA, 2 x foreign sockets (Switzerland and USA), 4-fold RJ 45 switch, 4-fold RS 232 interface as well as 1 x ring line field;

Exemplary assembly of the shown erfi-Bridge right

1 x safety and switching unit 3-phase with motor protection switch, all-current sensitive NFI switch, key switch, emergency stop button, 3-phase control indicator as well as 1 x safety socket;

Note: Acto insert panel program from page 140.

Vertical Expand Profile 2

Verticale Expand Profile 2

Verticale Expand Profile 2 as part of the erfi-Bridge
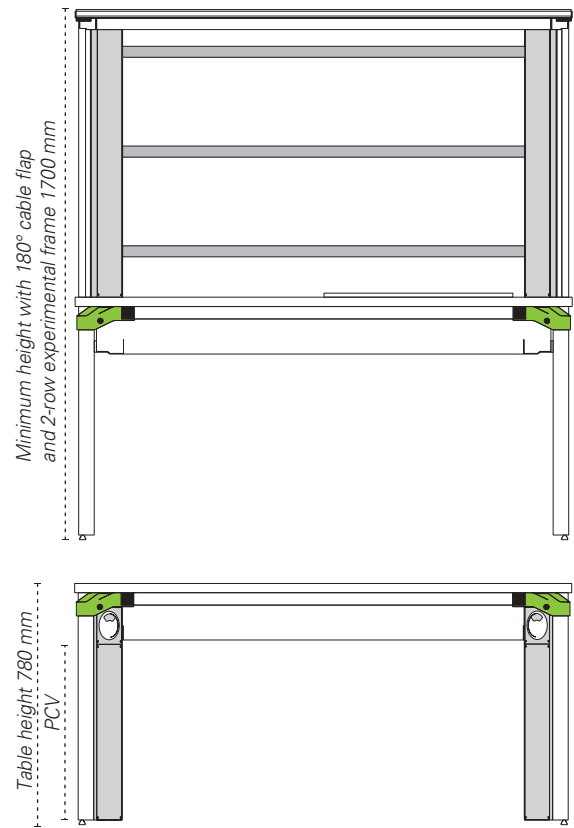
The vertical Expand Profile 2

This profile is applied to the inside of the L-profile and is used to accommodate devices such as energy analyzers, complete 3-phase safety and switching units with low-profile 3-phase switching elements, and many more. The profile enables the *acto* device program to be accommodated, thus opening up additional areas of application. The profile is used from the table top level upwards and can be extended below the table top to the floor.

Alternatively, it can be combined with Expand Profile 1 below the table top. Expand Profile 2 has a groove technology that accommodates two cable chambers on the inside for optimum shielding. On the outside, the grooves are arranged so that additional swivel arms can be attached to the outer sides of the table without colliding with other tables.

The front of the unit is ergonomically inclined at a 45° angle in both the vertical and horizontal directions.

Note when using experiment frames

For tables with 180° cable flap and 2-row experiment frame, the minimum height is 1700 mm. If cockpits are to be built above this, a correspondingly higher table height must be calculated.

Exemplary assembly

Storage board table with continuous Expand Profile 2
Equipment: 3-phase safety and switching unit with large fuse elements, ungrounded socket with isolating transformers, non-grounded sockets and interface panels, three storage boards with RGB LED lights incl. Indication Light, aluminum front edges on the storage boards and table top with Tech Edge alu-line.

General ordering information
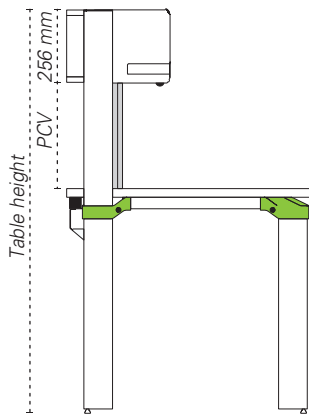
Please replace the „**x**" with the mounting position you desired mounting position by L = left, R = right or LR = left and right.

Minimum height with 180° cable flap and 2-row experimental frame 1700 mm
Table height 780 mm PCV

	Vertical Expand Profile 2 – fitting between table top and base, including corner panel with cable entry box		
Table height total	Length Expand Profile 2 between TT and floor	Corner panel incl. Cable entry box, remaining capacity	Order no.
780 mm / 30.71"	735 mm / 28.94"	112 TE/DU	ELC2.6.735.x

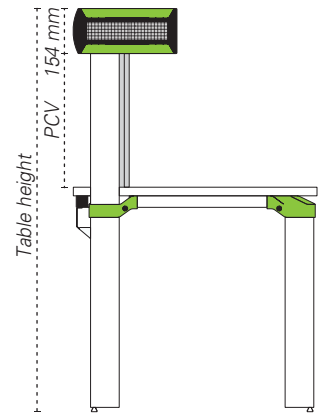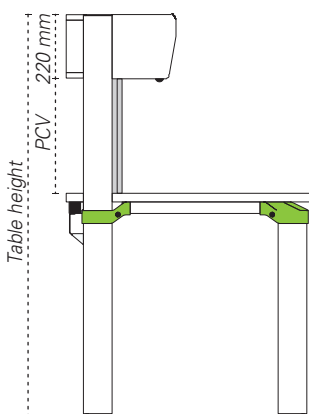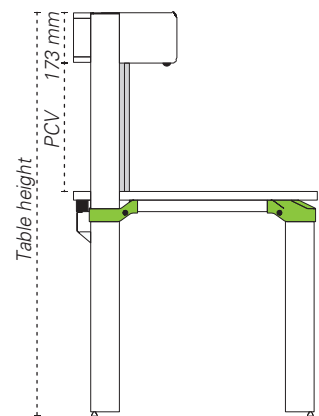Abbreviation BKV: Vertical placement capacity

Vertical Expand Profile 2
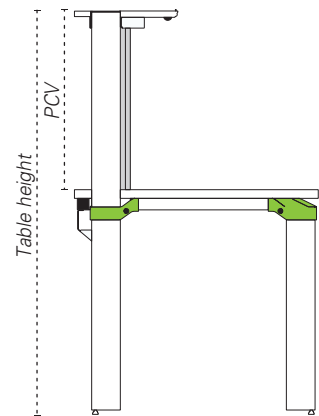
Vertical Expand Profile 2 – Placement capacity between table top and upper edge of L-profile, storage boards variable

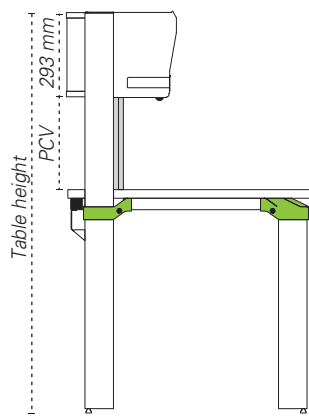| Table height total mm/"	Length of Expand Profile 2 between TT and BE shelf board	Placement capacity	Order no.
1.200/47.24	417 mm / 16.42"	82 DU	ELC2.6.417.x
1.300/51.18	517 mm / 20.35"	101 DU	ELC2.6.517.x
1.400/55.12	617 mm / 24.29"	121 DU	ELC2.6.617.x
1.500/59.06	717 mm / 28.23"	141 DU	ELC2.6.717.x
1.600/62.99	817 mm / 32.17"	160 DU	ELC2.6.817.x
1.700/66.93	917 mm / 36.10"	180 DU	ELC2.6.917.x
1.800/70.87	1.017 mm / 40.04"	200 DU	ELC2.6.1017.x
1.900/74.80	1.117 mm / 43.98"	219 DU	ELC2.6.1117.x
2.000/78.74	1.217 mm / 47.91"	239 DU	ELC2.6.1217.x
2.100/82.68	1.317 mm / 51.85"	259 DU	ELC2.6.1317.x
2.200/86.61	1.417 mm / 55.79"	278 DU	ELC2.6.1417.x

Vertical Expand Profile 2 – Placement capacity between table top and bottom edge 3 U aluminum cockpit

Table height total mm/"	Length Expand Profile 2 between TT and BE 3 U aluminum cockpit	Placement capacity	Order no.
1.400/55.12	466 mm / 18.35"	91 DU	ELC2.6.466.x
1.500/59.06	566 mm / 22.28"	111 DU	ELC2.6.566.x
1.600/62.99	666 mm / 26.22"	131 DU	ELC2.6.666.x
1.700/66.93	766 mm / 30.16"	150 DU	ELC2.6.766.x
1.800/70.87	866 mm / 34.09"	170 DU	ELC2.6.866.x

Vertical Expand Profile 2 – Placement capacity between table top and lower edge 3 U cockpit straight

Table height total mm/"	Length of Expand Profile 2 between TT and BE 3 U cockpit straight	Placement capacity	Order no.
1.400/55.12	447 mm / 17.60"	87 DU	ELC2.6.447.x
1.500/59.06	547 mm / 21.54"	107 DU	ELC2.6.547.x
1.600/62.99	647 mm / 25.47"	127 DU	ELC2.6.647.x
1.700/66.93	747 mm / 29.41"	147 DU	ELC2.6.747.x
1.800/70.87	847 mm / 33.35"	166 DU	ELC2.6.847.x

General ordering information

Please replace the „**x**" with the mounting position you desired mounting position by L = left, R = right or LR = left and right.

Vertical Expand Profile 2 – Placement capacity between table top and lower edge 3 HE cockpit straight with multifunctional pull-out

Table height total mm/"	Length of Expand Profile 2 between TT and BE 3 U cockpit straight with multifunctional pull-out	Placement capacity	Oder no.
1.400/55.12	364 mm / 14.33"	71 DU	ELC2.6.364.x
1.500/59.06	464 mm / 18.27"	91 DU	ELC2.6.464.x
1.600/62.99	564 mm / 22.20"	111 DU	ELC2.6.564.x
1.700/66.93	664 mm / 26.14"	130 DU	ELC2.6.664.x
1.800/70.87	764 mm / 30.08"	150 DU	ELC2.6.764.x

Vertical Expand Profile 2 – Placement capacity between table top and lower edge 3 U cockpit inclined

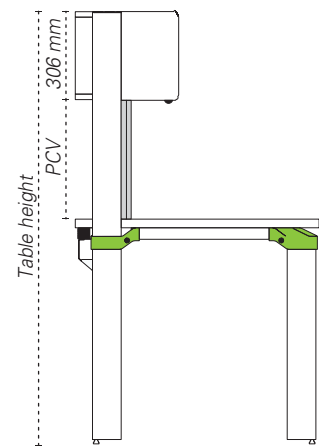| Table height total mm/"	Length of Expand Profile 2 between TT and BE 3 U cockpit inclined	Placement capacity	Order no.
1.400/55.12	400 mm / 15.75"	78 DU	ELC2.6.400.x
1.500/59.06	500 mm / 19.69"	98 DU	ELC2.6.500.x
1.600/62.99	600 mm / 23.62"	118 DU	ELC2.6.600.x
1.700/66.93	700 mm / 27.56"	137 DU	ELC2.6.700.x
1.800/70.87	800 mm / 31.50"	157 DU	ELC2.6.800.x

Vertical Expand Profile 2 – Placement capacity between table top and lower edge 3 U cockpit inclined with multifunctional pullout

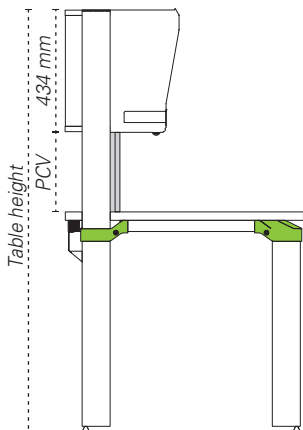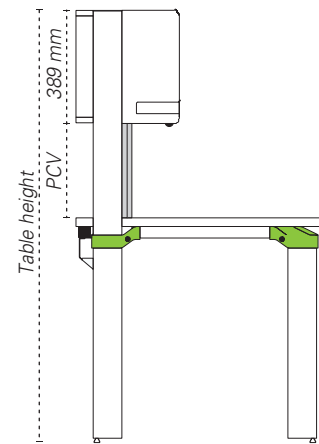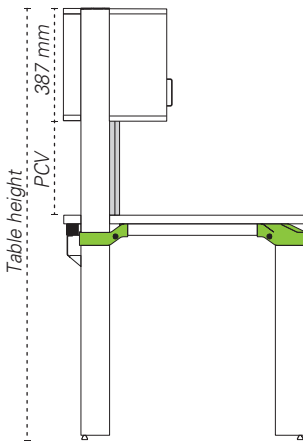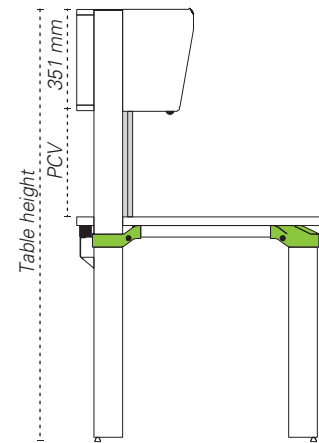| Table height total mm/"	Length Expand Profile 2 between TT and BE 3 U cockpit inclined with multifunctional pull-out	Placement capacity	Order no.
1.400/55.12	327 mm / 12.87"	64 DU	ELC2.6.327.x
1.500/59.06	427 mm / 16.81"	84 DU	ELC2.6.427.x
1.600/62.99	527 mm / 20.75"	103 DU	ELC2.6.527.x
1.700/66.93	627 mm / 24.69"	123 DU	ELC2.6.627.x
1.800/70.87	727 mm / 28.62"	143 DU	ELC2.6.727.x

Vertical Expand Profile 2

General ordering information
Please replace the „**x**" with the mounting position
you desired mounting position by L = left, R = right
or LR = left and right.

Vertical Expand Profile 2 – Placement capacity between table top and lower edge 6 U cockpit straight			
Table height total mm/"	Length of Expand Profile 2 between TT and BE 6 U cockpit straight	Placement capacity	Order no.
1.500/59.06	414 mm / 16.30"	81 DU	ELC2.6.414.x
1.600/62.99	514 mm / 20.24"	101 DU	ELC2.6.514.x
1.700/66.93	614 mm / 24.17"	120 DU	ELC2.6.614.x
1.800/70.87	714 mm / 28.11"	140 DU	ELC2.6.714.x

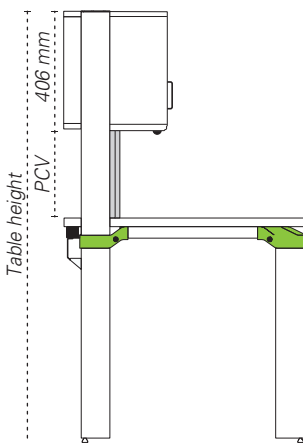| Vertical Expand Profile 2 – Placement capacity between table top and lower edge 6 U cockpit straight with multifunctional pull-out			
Table height total mm/"	Length of Expand Profile 2 between TT and BE 6 U cockpit straight with multifunctional pull-out	Placement capacity	Order no.
1.500/59.06	331 mm / 13.03"	65 DU	ELC2.6.331.x
1.600/62.99	431 mm / 16.97"	84 DU	ELC2.6.431.x
1.700/66.93	531 mm / 20.91"	104 DU	ELC2.6.531.x
1.800/70.87	631 mm / 24.84"	124 DU	ELC2.6.631.x

Vertical Expand Profile 2 – Placement capacity between table top and lower edge of 6 U cockpit inclined			
Table height total mm/"	Length of Expand Profile 2 between TT and BE 6 U cockpit inclined	Placement capacity	Order no.
1.500/59.06	369 mm / 14.53"	72 DU	ELC2.6.369.x
1.600/62.99	469 mm / 18.46"	92 DU	ELC2.6.469.x
1.700/66.93	569 mm / 22.40"	112 DU	ELC2.6.569.x
1.800/70.87	669 mm / 26.34"	131 DU	ELC2.6.669.x

Vertical Expand Profile 2 – Placement capacity between table top and lower edge 6 U cockpit inclined with multifunctional pullout			
Table height total mm/"	Length of Expand Profile 2 between TT and BE 6 U cockpit inclined with multifunctional pull-out	Placement capacity	Order no.
1.500/59.06	286 mm / 11.26"	56 DU	ELC2.6.286.x
1.600/62.99	386 mm / 15.20"	75 DU	ELC2.6.386.x
1.700/66.93	486 mm / 19.13"	95 DU	ELC2.6.486.x
1.800/70.87	586 mm / 23.07"	115 DU	ELC2.6.586.x

Vertical Expand Profile 2 – Placement capacity between table top and lower edge of DIN A4 cockpit without Toplight profile			
Table height total mm/"	Length of Expand Profile 2 betw. TT & BE DIN A4 cockpit without Toplight	Placement capacity	Order no.
1.500/59.06	333 mm / 13.11"	65 DU	ELC2.6.333.x
1.600/62.99	433 mm / 17.05"	85 DU	ELC2.6.433.x
1.700/66.93	533 mm / 20.98"	104 DU	ELC2.6.533.x
1.800/70.87	633 mm / 24.92"	124 DU	ELC2.6.633.x

Vertical Expand Profile 2 – Placement capacity between table top and lower edge DIN A4 cockpit with Toplight profile			
Table height total mm/"	Length Expandprofile 2 between TT and BE DIN A4 cockpit with Toplight	Placement capacity	Order no.
1.500/59.06	314 mm / 12.36"	61 DU	ELC2.6.314.x
1.600/62.99	414 mm / 16.30"	81 DU	ELC2.6.414.x
1.700/66.93	514 mm / 20.24"	101 DU	ELC2.6.514.x
1.800/70.87	614 mm / 24.17"	120 DU	ELC2.6.614.x

Abbreviation DU (Division Unit) 1 DU = 5.08 mm, U: Height Unit, HP: Horizontal Pitch;
Abbreviation PCV: Placement capacity vertical; TT: Table Top; BE: Bottom Edge;

Horizontal Expand Profile 2
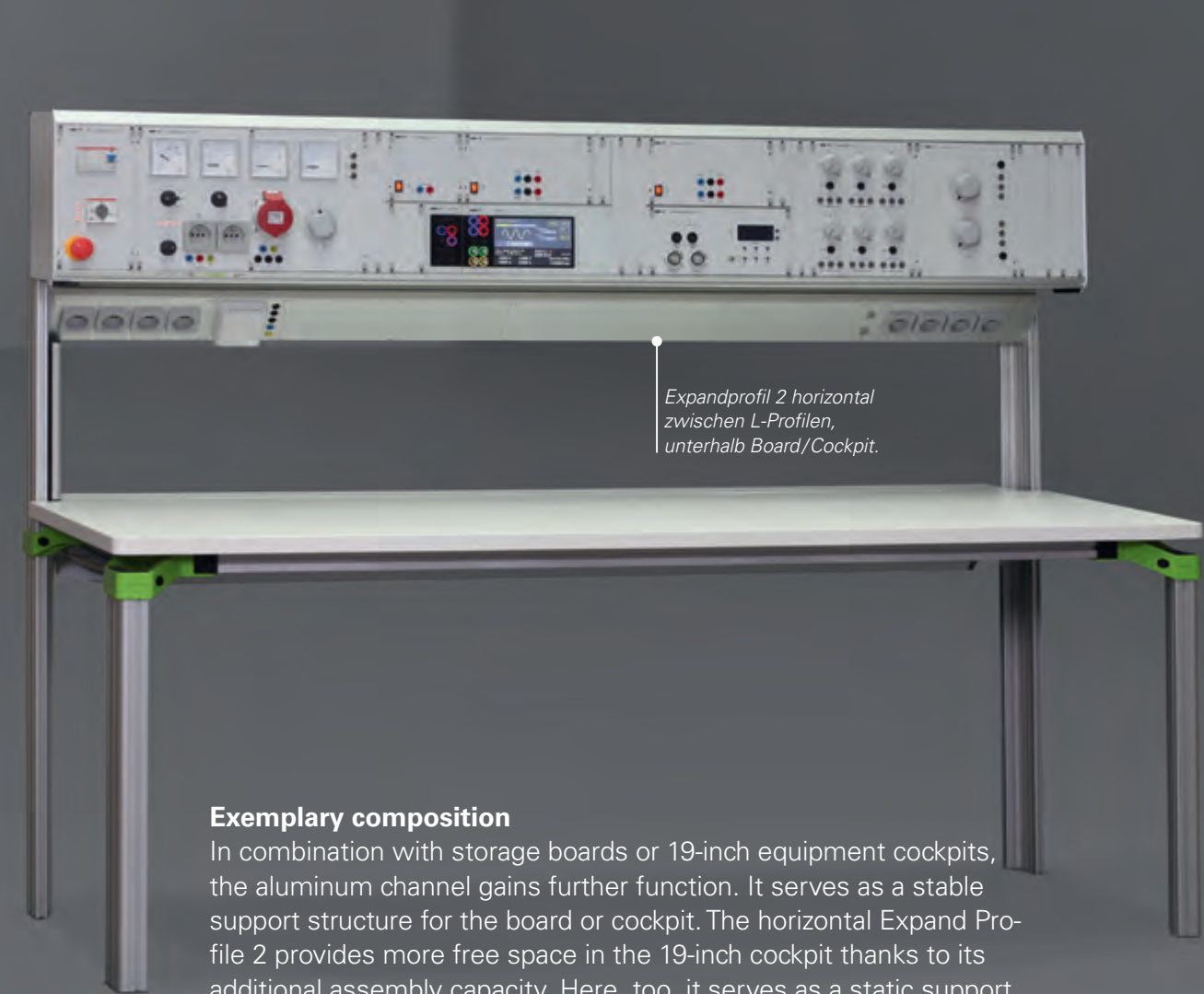
Expandprofil 2 horizontal zwischen L-Profilen, unterhalb Board/Cockpit.

Arbeitsplatz für die Ausbildung mit horizontalem Expandprofil 2 als Tischaufbau.

Expandprofil 2 horizontal über gesamte Tischbreite, auf Tischplatte.

Exemplary composition

In combination with storage boards or 19-inch equipment cockpits, the aluminum channel gains further function. It serves as a stable support structure for the board or cockpit. The horizontal Expand Profile 2 provides more free space in the 19-inch cockpit thanks to its additional assembly capacity. Here, too, it serves as a static support element. Its grooves on the flattened top and bottom provide excellent connection options for additional system components such as soldering iron holders, perforated plates or trays.
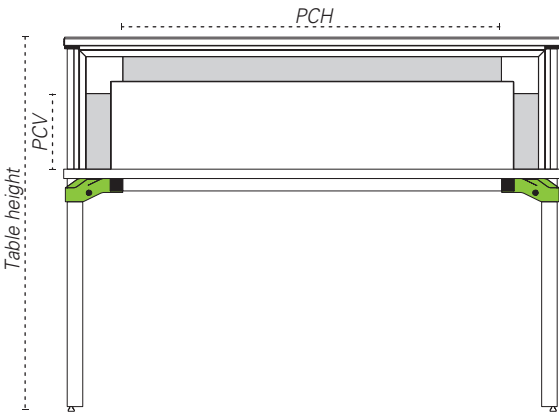
The horizontal expansion profile 2

Since its initial launch on the market in 1986, this system component has been continuously developed and improved. This profile is a central component for all communicative and technical work areas. The profile can be used horizontally below storage boards or cockpits, individually between the L-profiles, or as a table structure. It is also suitable for mounting under the tabletop, e.g., for an additional power supply.

The aluminum channel can be equipped with the powerful 19-inch insert plate program acto and, alternatively, with the *elneos six compact* device system. The system offers many possibilities for mounting additional components thanks to the grooves on the top and bottom. If desired, divider plates can be positioned inside the channel to separate data and power cables. The aluminum channel has an intelligent groove technology inside for the professional integration of connections of all kinds.

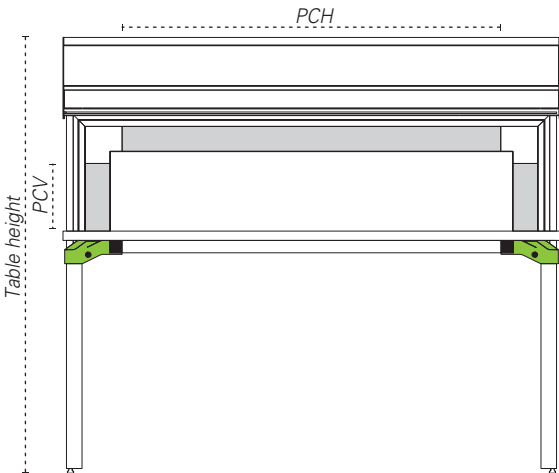| Horizontales Expandprofil 2									
	zwischen L-Profilen, unterhalb Board / Cockpit			zwischen L-Profilen / Expandprofil 1, auf Tischplatte			über gesamte Tischbreite, auf Tischplatte		
Tischbreite	Länge Expand 2	BK*	Best.-Nr.	Länge Expand 2	BK*	Best.-Nr.	Länge Expand 2	BK*	Best.-Nr.
1.200 mm / 47.24"	1.126 mm / 44.33"	221 TE/DU	ELC2.10.1126	1.069 mm / 42.09"	210 TE/DU	ELC2.10.1069	1.200 mm	234 TE	ELC2.10.1200
1.600 mm / 62.99"	1.526 mm / 60.08"	300 TE/DU	ELC2.10.1526	1.469 mm / 57.83"	289 TE/DU	ELC2.10.1469	1.600 mm	313 TE	ELC2.10.1600
1.800 mm / 70.87"	1.726 mm / 67.95"	339 TE/DU	ELC2.10.1726	1.669 mm / 65.71"	328 TE/DU	ELC2.10.1669	1.800 mm	352 TE	ELC2.10.1800
2.000 mm / 78.74"	1.926 mm / 75.83"	379 TE/DU	ELC2.10.1926	1.869 mm / 73.58"	367 TE/DU	ELC2.10.1869	2.000 mm	391 TE	ELC2.10.2000

erfi-Bridge

Ordering information

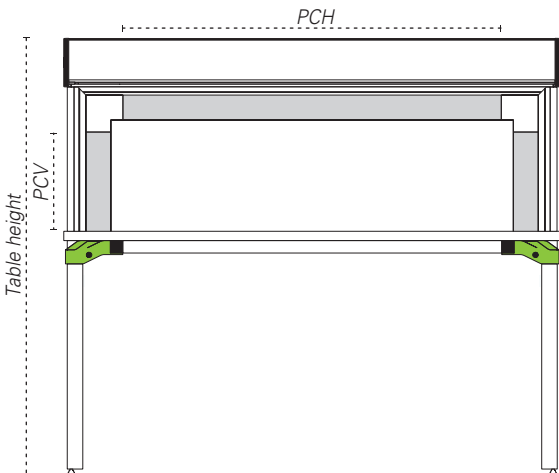The erfi-Bridge consists of two vertical (left and right) and one horizontal Expand Profile 2.

Placement capacity in connection with an overlying storage board

Height Table mm/"	Bridge mm/"	PCV DU	Table width 1.200 mm / 47.24" PCH 161 DU Order no.	Table width 1.600 mm / 62.99" PCH 240 DU Order no.	Table width 1.800 mm / 70.87" PCH 280 DU Order no.	Table width 2.000 mm / 78.74" PCH 319 DU Order no.
1.200/47.24	401/15.79	48	ELC2.7.1212	ELC2.7.1612	ELC2.7.1812	ELC2.7.2012
1.300/51.18	501/19.72	68	ELC2.7.1213	ELC2.7.1613	ELC2.7.1813	ELC2.7.2013
1.400/55.12	601/23.66	87	ELC2.7.1214	ELC2.7.1614	ELC2.7.1814	ELC2.7.2014
1.500/59.06	701/27.60	107	ELC2.7.1215	ELC2.7.1615	ELC2.7.1815	ELC2.7.2015
1.600/62.99	801/31.54	127	ELC2.7.1216	ELC2.7.1616	ELC2.7.1816	ELC2.7.2016
1.700/66.93	901/35.47	146	ELC2.7.1217	ELC2.7.1617	ELC2.7.1817	ELC2.7.2017
1.800/70.87	1.001/39.41	166	ELC2.7.1218	ELC2.7.1618	ELC2.7.1818	ELC2.7.2018

Placement capacity in combination with a 3 U aluminum cockpit

Height Table mm/"	Bridge mm/"	PCV DU	Table width 1.200 mm / 47.24" PCH 161 DU Order no.	Table width 1.600 mm / 62.99" PCH 240 DU Order no.	Table width 1.800 mm / 70.87" PCH 280 DU Order no.	Table width 2.000 mm / 78.74" PCH 319 DU Order no.
1.400/55.12	466/18.35	61	ELC2.80.1214	ELC2.80.1614	ELC2.80.1814	ELC2.80.2014
1.500/59.06	566/22.28	80	ELC2.80.1215	ELC2.80.1615	ELC2.80.1815	ELC2.80.2015
1.600/62.99	666/26.22	100	ELC2.80.1216	ELC2.80.1616	ELC2.80.1816	ELC2.80.2016
1.700/66.93	766/30.16	120	ELC2.80.1217	ELC2.80.1617	ELC2.80.1817	ELC2.80.2017
1.800/70.87	866/34.09	139	ELC2.80.1218	ELC2.80.1618	ELC2.80.1818	ELC2.80.2018

Placement capacity in connection with a 3 U cockpit straight

Height Table mm/"	Bridge mm/"	PCV DU	Table width 1.200 mm / 47.24" PCH 161 DU Order no.	Table width 1.600 mm / 62.99" PCH 240 DU Order no.	Table width 1.800 mm / 70.87" PCH 280 DU Order no.	Table width 2.000 mm / 78.74" PCH 319 DU Order no.
1.400/55.12	447/17.60	57	ELC2.8.1214	ELC2.8.1614	ELC2.8.1814	ELC2.8.2014
1.500/59.06	547/21.54	77	ELC2.8.1215	ELC2.8.1615	ELC2.8.1815	ELC2.8.2015
1.600/62.99	647/25.47	96	ELC2.8.1216	ELC2.8.1616	ELC2.8.1816	ELC2.8.2016
1.700/66.93	747/29.41	116	ELC2.8.1217	ELC2.8.1617	ELC2.8.1817	ELC2.8.2017
1.800/70.87	847/33.35"	136	ELC2.8.1218	ELC2.8.1618	ELC2.8.1818	ELC2.8.2018

Placement capacity in conjunction with a 3 U cockpit straight with multifunctional pullout

Height Table mm/"	Bridge mm/"	PCV DU	Table width 1.200 mm / 47.24" PCH 161 DU Order no.	Table width 1.600 mm / 62.99" PCH 240 DU Order no.	Table width 1.800 mm / 70.87" PCH 280 DU Order no.	Table width 2.000 mm / 78.74" PCH 319 DU Order no.
1.400/55.12	364/14.33	41	ELC2.81.1214	ELC2.81.1614	ELC2.81.1814	ELC2.81.2014
1.500/59.06	464/18.27	60	ELC2.81.1215	ELC2.81.1615	ELC2.81.1815	ELC2.81.2015
1.600/62.99	564/22.20	80	ELC2.81.1216	ELC2.81.1616	ELC2.81.1816	ELC2.81.2016
1.700/66.93	664/26.14	100	ELC2.81.1217	ELC2.81.1617	ELC2.81.1817	ELC2.81.2017
1.800/70.87	764/30.08	119	ELC2.81.1218	ELC2.81.1618	ELC2.81.1818	ELC2.81.2018

Placement capacity in connection with a 3 U cockpit inclined

Height Table mm/"	Bridge mm/"	PCV DU	Table width 1.200 mm / 47.24" PCH 161 DU Order no.	Table width 1.600 mm / 62.99" PCH 240 DU Order no.	Table width 1.800 mm / 70.87" PCH 280 DU Order no.	Table width 2.000 mm / 78.74" PCH 319 DU Order no.
1.400/55.12	400/15.75	48	ELC2.82.1214	ELC2.82.1614	ELC2.82.1814	ELC2.82.2014
1.500/59.06	500/19.69	67	ELC2.82.1215	ELC2.82.1615	ELC2.82.1815	ELC2.82.2015
1.600/62.99	600/23.62	87	ELC2.82.1216	ELC2.82.1616	ELC2.82.1816	ELC2.82.2016
1.700/66.93	700/27.56	107	ELC2.82.1217	ELC2.82.1617	ELC2.82.1817	ELC2.82.2017
1.800/70.87	800/31.50	126	ELC2.82.1218	ELC2.82.1618	ELC2.82.1818	ELC2.82.2018

Placement capacity in combination with a 3 U inclined cockpit with multifunctional pullout

Height Table mm/"	Bridge mm/"	PCV DU	Table width 1.200 mm / 47.24" PCH 161 DU Order no.	Table width 1.600 mm / 62.99" PCH 240 DU Order no.	Table width 1.800 mm / 70.87" PCH 280 DU Order no.	Table width 2.000 mm / 78.74" PCH 319 DU Order no.
1.400/55.12	327/12.87	33	ELC2.83.1214	ELC2.83.1614	ELC2.83.1814	ELC2.83.2014
1.500/59.06	427/16.81	53	ELC2.83.1215	ELC2.83.1615	ELC2.83.1815	ELC2.83.2015
1.600/62.99	527/20.75	73	ELC2.83.1216	ELC2.83.1616	ELC2.83.1816	ELC2.83.2016
1.700/66.93	627/24.69	92	ELC2.83.1217	ELC2.83.1617	ELC2.83.1817	ELC2.83.2017
1.800/70.87	727/28.62	112	ELC2.83.1218	ELC2.83.1618	ELC2.83.1818	ELC2.83.2018

Abbreviation DU (Division Unit) 1 DU = 5.08 mm, U: Height Unit, HP: Horizontal Pitch;

Abbreviations: PCH = Placement capacity horizontal, PCV = Placement capacity vertical
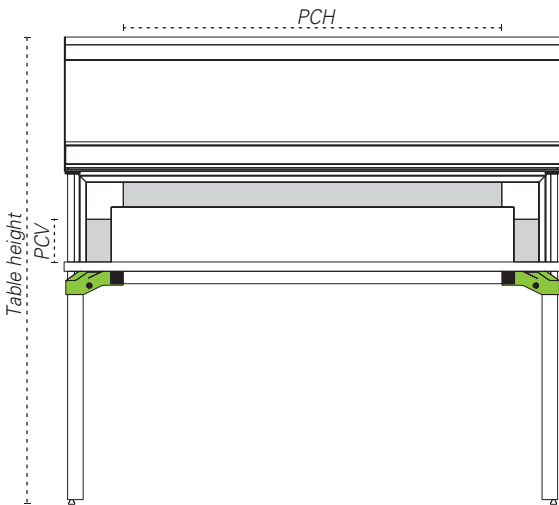
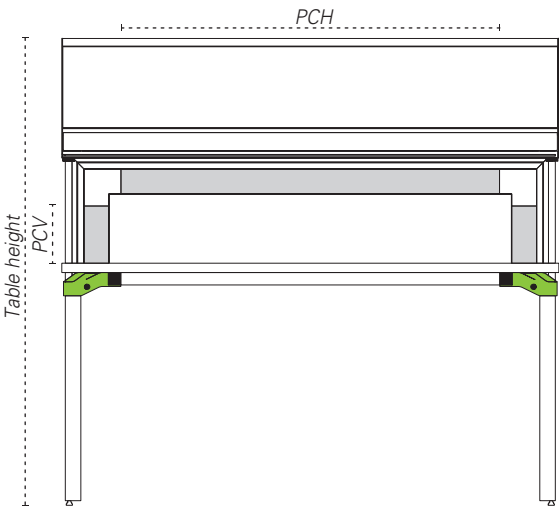# erfi-Bridge

Ordering information
The erfi-Bridge consists of two vertical (left and right) and one horizontal Expand Profile 2.

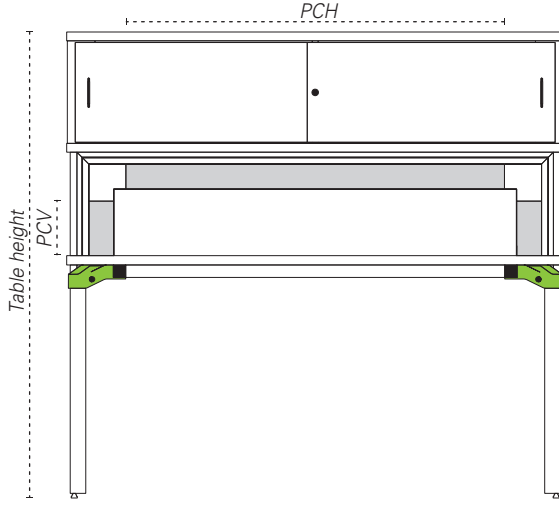### Placement capacity in conjunction with a 6 U cockpit straight

Height			Table width 1.200 mm / 47.24" PCH 161 DU	Table width 1.600 mm / 62.99" PCH 240 DU	Table width 1.800 mm / 70.87" PCH 280 DU	Table width 2.000 mm / 78.74" PCH 319 DU
Table mm/"	Bridge mm/"	PCV DU	Order no.	Order no.	Order no.	Order no.
1.500/59.06	414/16.30	50	ELC2.9.1215	ELC2.9.1615	ELC2.9.1815	ELC2.9.2015
1.600/62.99	514/20.24	70	ELC2.9.1216	ELC2.9.1616	ELC2.9.1816	ELC2.9.2016
1.700 66.93	614/24.17	90	ELC2.9.1217	ELC2.9.1617	ELC2.9.1817	ELC2.9.2017
1.800 70.87	714/28.11	110	ELC2.9.1218	ELC2.9.1618	ELC2.9.1818	ELC2.9.2018

Placement capacity in conjunction with a 6 U cockpit straight with multifunctional pullout

Height			Table width 1.200 mm / 47.24" PCH 161 DU	Table width 1.600 mm / 62.99" PCH 240 DU	Table width 1.800 mm / 70.87" PCH 280 DU	Table width 2.000 mm / 78.74" PCH 319 DU
Table mm/"	Bridge mm/"	PCV DU	Order no.	Order no.	Order no.	Order no.
1.500/59.06	331/13.03	34	ELC2.91.1215	ELC2.91.1615	ELC2.91.1815	ELC2.91.2015
1.600/62.99	431/16.97	54	ELC2.91.1216	ELC2.91.1616	ELC2.91.1816	ELC2.91.2016
1.700 66.93	531/20.91	74	ELC2.91.1217	ELC2.91.1617	ELC2.91.1817	ELC2.91.2017
1.800 70.87	631/24.84	93	ELC2.91.1218	ELC2.91.1618	ELC2.91.1818	ELC2.91.2018

Placement capacity in conjunction with a 6 U cockpit inclined

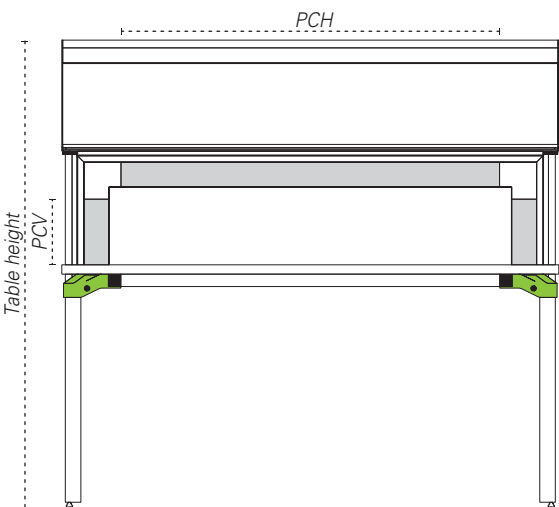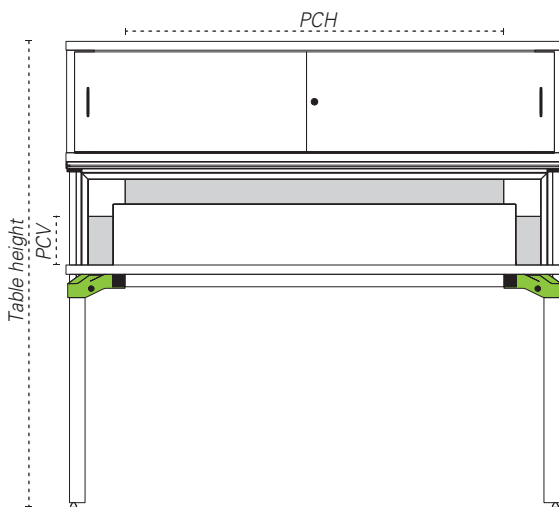| Height			Table width 1.200 mm / 47.24" PCH 161 DU	Table width 1.600 mm / 62.99" PCH 240 DU	Table width 1.800 mm / 70.87" PCH 280 DU	Table width 2.000 mm / 78.74" PCH 319 DU
Table mm/"	Bridge mm/"	PCV DU	Order no.	Order no.	Order no.	Order no.
1.500/59.06	369/14.53	42	ELC2.92.1215	ELC2.92.1615	ELC2.92.1815	ELC2.92.2015
1.600/62.99	469/18.46	61	ELC2.92.1216	ELC2.92.1616	ELC2.92.1816	ELC2.92.2016
1.700 66.93	569/22.40	81	ELC2.92.1217	ELC2.92.1617	ELC2.92.1817	ELC2.92.2017
1.800 70.87	669/26.34	101	ELC2.92.1218	ELC2.92.1618	ELC2.92.1818	ELC2.92.2018

Placement capacity in combination with a 6 U inclined cockpit with multifunctional pullout

Height			Table width 1.200 mm / 47.24" PCH 161 DU	Table width 1.600 mm / 62.99" PCH 240 DU	Table width 1.800 mm / 70.87" PCH 280 DU	Table width 2.000 mm / 78.74" PCH 319 DU
Table mm/"	Bridge mm/"	PCV DU	Order no.	Order no.	Order no.	Order no.
1.500/59.06	286/11.26	25	ELC2.93.1215	ELC2.93.1615	ELC2.93.1815	ELC2.93.2015
1.600/62.99	386/15.20	45	ELC2.93.1216	ELC2.93.1616	ELC2.93.1816	ELC2.93.2016
1.700 66.93	486/19.13	65	ELC2.93.1217	ELC2.93.1617	ELC2.93.1817	ELC2.93.2017
1.800 70.87	586/23.07	84	ELC2.93.1218	ELC2.93.1618	ELC2.93.1818	ELC2.93.2018

Placement capacity in conjunction with a DIN A4 cockpit without toplight profile

Height			Table width 1.200 mm / 47.24" PCH 161 DU	Table width 1.600 mm / 62.99" PCH 240 DU	Table width 1.800 mm / 70.87" PCH 280 DU	Table width 2.000 mm / 78.74" PCH 319 DU
Table mm/"	Bridge mm/"	PCV DU	Order no.	Order no.	Order no.	Order no.
1.500/59.06	333/13.11	35	ELC2.10.1215	ELC2.10.1615	ELC2.10.1815	ELC2.10.2015
1.600/62.99	433/17.05	54	ELC2.10.1216	ELC2.10.1616	ELC2.10.1816	ELC2.10.2016
1.700 66.93	533/20.98	74	ELC2.10.1217	ELC2.10.1617	ELC2.10.1817	ELC2.10.2017
1.800 70.87	633/24.92	94	ELC2.10.1218	ELC2.10.1618	ELC2.10.1818	ELC2.10.2018

Placement capacity in conjunction with a DIN A4 cockpit with Toplight profile

Height			Table width 1.200 mm / 47.24" PCH 161 DU	Table width 1.600 mm / 62.99" PCH 240 DU	Table width 1.800 mm / 70.87" PCH 280 DU	Table width 2.000 mm / 78.74" PCH 319 DU
Table mm/"	Bridge mm/"	PCV DU	Order no.	Order no.	Order no.	Order no.
1.500/59.06	314/12.36	31	ELC2.11.1215	ELC2.11.1615	ELC2.11.1815	ELC2.11.2015
1.600/62.99	414/16.30	50	ELC2.11.1216	ELC2.11.1616	ELC2.11.1816	ELC2.11.2016
1.700 66.93	514/20.24	70	ELC2.11.1217	ELC2.11.1617	ELC2.11.1817	ELC2.11.2017
1.800 70.87	614/24.17	90	ELC2.11.1218	ELC2.11.1618	ELC2.11.1818	ELC2.11.2018

Abbreviation DU (Division Unit) 1 DU = 5.08 mm, U: Height Unit, HP: Horizontal Pitch;

Abbreviations: PCH = Placement capacity horizontal, PCV = Placement capacity vertical

Insert panel system acto®

Safety and switching units

The acto® insert plates as a system

The insert plate system *acto* is a protected trademark of the company erfi and is characterized besides the low overall height of 113 mm especially by its innovations.

Innovations of the acto® system

- Remote controllable control power supplies (Ethernet, USB 2.0 and RS232-C optional)
- Remote controllable function generators up to 20MHz with integrated counters up to 100MHz (Ethernet, USB 2.0 and RS232-C optional)
- Remote controllable meters (Ethernet, USB 2.0 and RS232-C optional)
- Outstanding power and control data for power supplies and function generators (control accuracy < 2mV/A, control speeds < 15μs)
- State-of-the-art software for networking classrooms and development laboratories
- Module grid width in 19-inch subrack technology according to DIN 41494 Part 5

Technical dimensions

Installation height 113 mm
Installation width 7 DU grid width

Definition HP (Horizontal Pitch)

1 HP corresponds to 2/10 inch (5.08 mm)
7 HP thus correspond to 35.56 mm

acto enables a high degree of module flexibility thanks to the 19-inch subrack technology in accordance with DIN 41494 Part 5. Each insert plate is constructed in a grid of 7 DU and can therefore make optimum use of the available integration space. Due to the narrow grid of 7 DU, high packing densities can be realized. The insert plates can also be easily combined with the large 19-inch device series *highlab* and *basic* in combination superstructures and combination cockpits.

All-current sensitive residual circuit breaker (type B)

The erfi safety and switching units can alternatively be equipped with all-current sensitive residual current circuit breakers (type B). In the standard equipment all models are equipped with pulse current sensitive residual current circuit breakers (type A).

Possible smooth DC residual currents caused by frequency converters, inverters, photovoltaic systems and battery charging stations cannot be reliably detected by type A RCDs for sinusoidal AC residual currents and pulsating DC residual currents.

DC residual currents can cause type A RCDs to fail to provide protection even for AC residual currents due to bias magnetization of the transformer. The all-current sensitive RCDs (type B) reliably detect smooth DC residual currents and AC residual currents up to a frequency of 1 MHz.

For the protection of classrooms (when supplied with TN or TT systems) with experimental equipment, DIN VDE 0100-723:2005-06 is binding. If a TN or TT system is used to supply experimental equipment, one or more residual current devices (RCDs) with a rated differential current IΔN ≤ 30mA must be provided in these circuits. These residual current devices must be of type B.

All-current sensitive RCD type B (option)
also suitable for smooth direct currents;

Order no.: Z01.100

Safety and switching units, 49 TE
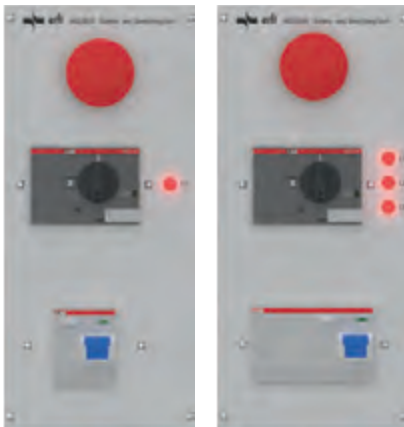
NFI switch: Residual current 30 mA, rated current 25 A
Emergency stop button: With potential-free contact for connection of an on-site room emergency stop
Phase indicator lamps: L1 or L1, L2, L3 *Motor protection switch:* 10-16 A with undervoltage release

1-phase
Horizontal order no. A53.001A (FI type A),
Horizontal order no. A53.001B (RCD type B)
Vertical order no. A53.001VA (RCD type A)
Vertical order no. A53.001VB (RCD type B)

3-phase
Horizontal order no. A53.010A (RCD type A)
Horizontal order no. A53.010B (RCD type B)
Vertical order no. A53.010VA (RCD type A)
Vertical order no. A53.010VB (RCD type B)

Safety and switching units with key switch, 49 TE

NFI switch: Residual current 30 mA, rated current 25 A
Key-operated switch: The key can be removed in both positions
Emergency stop button: With potential-free contact for connection of an on-site room emergency stop
Phase indicator lamps: L1 or L1, L2, L3 *Motor protection switch:* 10-16 A with undervoltage release

1-phase
Horizontal order no. A53.014A (RCD type A)
Horizontal order no. A53.014B (RCD type B) **Vertical order no. A53.014VA** (RCD type A) **Vertical order no. A53.014VB** (RCD type B)

3-phase
Horizontal order no. A53.012A (RCD type A)
Horizontal order no. A53.012B (RCD type B) **Vertical order no. A53.012VA** (RCD type A) **Vertical order no. A53.012VB** (RCD type B)

Safety and switching units with TFT display for switching socket outlets, 56 TE

Emergency stop button: With potential-free contact for connection of an on-site emergency room
Phase indicator lamp L1
Motor protection switch: 10-16 A with undervoltage release
TFT display For switching the individual sockets (groups)

Note on the switching unit: An empty plate with at least 56 HP is required for the contactors and relays!

1-phase
Horizontal Order no. A53.061
Vertikal Order no. A53.061V
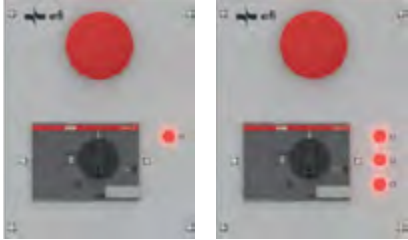
Safety and switching units

Safety and switching units, switchable and remote-controlled, 49 TE

NFI switch: Residual current 30 mA, rated current 25 A type B (pulse current sensitive)

Key switch: with 3 key positions for switching between low, zero and low, AC and three-phase voltage

Emergency stop button: with integrated key switch (tamper-proof)
with additional potential-free contact for room emergency stop

LED display: Indicator light for displaying the statuses.
For example:
Level I: green   for low voltage
Level II: yellow   for low, alternating and three-phase voltage

Phase indicator lamps: L1 or L1, L2, L3

Motor protection switch: 10-16 A with built-in undervoltage release

Note on the switching units: An empty plate with at least 56 HP is required for the 2 contactors or 1 contactor and 2 relays!
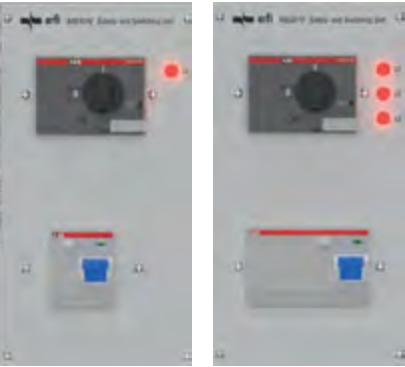
1- phased	**3-phase**
Horizontal order no. A53.045	**Horizontal Order no. A53.046**
Vertical Order no. A53.045V	**Vertical Order no. A53.046V**

Safety and switching units without NFI switch, 28 TE

Motor protection switch: 10 -16 A with undervoltage release
Emergency stop button: With potential-free contact for connection of an on-site emergency room
Phase indicator lamps: L1 or L1, L2, L3

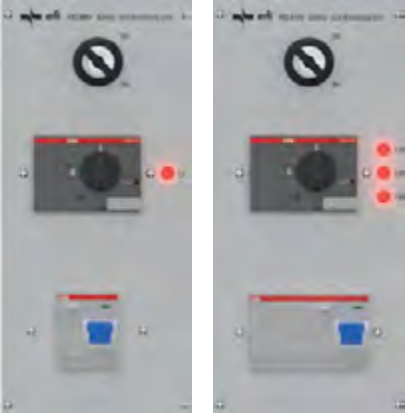| **1-phase**	**3-phase**
Horizontal order no. A52.006	**Horizontal Order no. A52.007**
Vertical Order no. A52.006V	**Vertical Order no. A52.007V**

Safety and switching units without emergency stop, 42 TE

NFI switch: Residual current 30 mA, rated current 25 A *Motor circuit breaker:* 10 -16 A with undervoltage release
Phase indicator lamps: L1 or L1, L2, L3

1-phase	**3-phase**
Horizontal order no. A52.003A (RCD type A)	**Horizontal order no. A53.011A** (RCD type A)
Horizontal order no. A52.003B (RCD type B)	**Horizontal order no. A53.011B** (RCD type B)
Vertical order no. A52.003VA (RCD type A)	**Vertical order no. A53.011VA** (RCD type A)
Vertical order no. A52.003VB (RCD type B)	**Vertical order no. A53.011VB** (RCD type B)

Emergency stop button, 14 TE

With potential-free contact for connecting an on-site room emergency stop. (*Note:* Protective collar for emergency stop available at an extra charge, order no.: A51.S)

Horizontal Order No. A51.001
Vertical Order No. A51.001V

Safety and switching units, 49 TE

NFI switch: Residual current 30 mA, rated current 25 A
Key-operated switch: The key can be removed in both positions
Phase indicator lamps: L1 or L1, L2, L3
Motor protection switch: 10-16 A with undervoltage release

1-phase	**3-phase**
Horizontal order no. A52.008A (RCD type A)	**Horizontal order no. A53.013A** (FI type A)
Horizontal order no. A52.008B (FI type B)	**Horizontal order no. A53.013B** (RCD type B)
Vertical order no. A52.008VA (RCD type A)	**Vertical order no. A53.013VA** (RCD type A)
Vertical order no. A52.008VB (RCD type B)	**Vertical order no. A53.013VB** (RCD type B)

Emergency stop button with key switch, 14 TE Tamper-proof thanks to integrated key switch. The emergency stop button can released using a key.

Horizontal order no. A51.002 Vertical order no. A51.002V

Supply modules

**Single-phase AC power supplies,
socket modules with and without mains switch**
Safety sockets: 230 V, 50 Hz, 16 A
Socket color: Standard pebble gray, RAL 7032
(Also available in other colors and models as an option.)

Anzahl	Modules without mains switch			Modules with mains switch		
	Size	Horizont.	Vertical	Size	Horizont.	Vertical
1 Schuko	14 TE/DU	A11.016	A11.016V	28 TE/DU	A12.016	A12.016V
2 Schuko	28 TE/DU	A12.002	A12.002V	42 TE/DU	A13.005	A13.005V
3 Schuko	42 TE/DU	A13.001	A13.001V	56 TE/DU	A14.002	A14.002V
4 Schuko	56 TE/DU	A14.001	A14.001V	70 TE/DU	A15.002	A15.002V
5 Schuko	70 TE/DU	A15.001	A15.001V	84 TE/DU	A16.002	A16.002V
6 Schuko	84 TE/DU	A16.001	A16.001V	98 TE/DU	A17.001	A17.001V

Protective contact socket
orange, 230 V, 50 Hz, 16 A, Type F
Countries: D, A, GR, L, MC, NL, N, S, SLO, ES, TR, RUS
Order no. A1.102

Protective contact socket with hinged lid
orange, 230 V, 50 Hz, 16 A, Type F
Countries: D, A, GR, L, MC, NL, N, S, SLO, ES, TR, RUS
Order no. A1.105

Schutzkontaktsteckdosen Schweiz
kieselgrau (RAL 7032), Typ J, Länder: CH, LI
T13: 230 V, 50 Hz, **10 A**, **Best.-Nr. A1.106**
T23: 250 V, 50–60 Hz, **16 A**, **Best.-Nr. A1.106b**

Protective contact socket with hinged lid
pebble grey (RAL 7032), 230 V, 50 Hz, 16 A, Type F
Countries: D, A, GR, L, MC, NL, N, S, SLO, ES, TR, RUS
Order no. A1.103

Protective contact socket France
pebble grey (RAL 7032), 230 V, 50 Hz, 16 A, Type E
Countries: F
Order no. A1.107

Protective contact socket Italy
pebble grey (RAL 7032), 230 V, 50 Hz, 16 A, Type L
Countries: I, ES
Order no. A1.108

Protective contact socket Great Britain
pebble grey (RAL 7032), 240 V, 50 Hz, 13 A, Type G
Countries: GB, IR, M, CY
Order no. A1.109

Protective contact socket USA
pebble grey (RAL 7032), 115 V, 50 Hz, 15 A, Type B
Countries: USA, TW, JP
Order no. A1.110

Protective contact socket Australia
pebble grey (RAL 7032), 230 V, 50 Hz, 10 A, Type I
Countries: AUS, NZ, PNG, CHN, RA, ROU
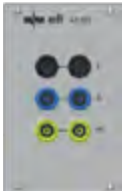**Order no. A1.113**

Protective contact socket India
pebble grey (RAL 7032), 230 V, 50 Hz, 10 A, Type M
Countries: IND, older installations also in GB, IR, M, CY
Order no. A1.111

Socket outlet module, 70 TE
3 socket outlets with earthing contact, 230 V / 16 A
3 illuminated power switches for each individual socket
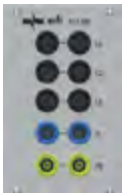**Horizontal order no. A15.024**
Vertical order no. A15.024V

Socket outlet module with LS, 70 TE
Circuit breaker, 4 socket outlets with earthing contact
Horizontal order no. A15.015
Vertical order no. A15.015V

Connection panel, 14 HP
2 x 3 SLB[1],
230 V / 50 Hz, max. 16 A
Horizontal order no. A11.024
Vertical order no. A11.024V

Safety laboratory sockets L1, N, PE (wired), 7 HP
3 SLB[1] 4 mm, 230 V, 50 Hz, 16 A
Horizontal order no. A10.046
Vertical order no. A10.046V

Connection panel, 14 HP
2 x 5 SLB[1],
400 / 230 V, 50 Hz, 16 A
Horizontal order no. A11.030
Vertical order no. A11.030V

Safety laboratory sockets, L1 - 3, N, PE (wired), 7 T
5 SLB[1], 400 / 230 V, max. 16 A per phase
Horizontal order no. A10.075 Vertical order no. A10.075V

Ring cable field, 14 HP
6 SLB[1] for connecting ring cables, unwired
Horizontal order no. A11.011
Vertical order no. A11.011V

Illuminated mains switch, 14 TE
For switching loads
Horizontal order no. A11.110
Vertical order no. A11.110V

Note: Other socket outlet designs (colors and models) available at an extra charge. [1] SLB: Safety laboratory socket

Supply modules

Isolating transformer 230 V / 3 A / 690 VA, 28 TE
1 illuminated mains switch, 1 socket outlet without earthing contact for drawing off floating AC voltage, 1 thermal-magnetic circuit breaker (secondary) and 1 thermal circuit breaker (primary)

Horizontal order no. A92.101 Vertical order no. A92.101V

Note: The isolating transformer is mounted in the cable tray or in a techcube underneath the table and wired accordingly.

Isolating transformer 230 V/ 2 A / 460 VA, 28 TE
1 illuminated mains switch, 1 socket outlet without earthing contact for drawing off floating AC voltage, 1 thermal-magnetic circuit breaker (secondary) and 1 thermal circuit breaker (primary)

Horizontal order no. A92.026 Vertical order no. A92.026V

Note: The isolating transformer is mounted in the cable tray or in a techcube underneath the table and wired accordingly.

AC voltage module, floating, 230 V/max. 0.5 A, 115 VA, 35 TE 1 illuminated mains switch, 1 socket outlet without earthing contact for taking floating AC voltage, 1 thermal-magnetic circuit breaker (secondary) and 1 thermal circuit breaker (primary)

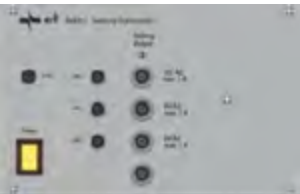**Horizontal order no. A92.020 Vertical order no. A92.020V**

AC voltage module, floating, 230 V/max. 0.5 A, 115 VA, 28 TE
1 illuminated mains switch, 2 safety laboratory sockets for tapping earth-free alternating voltage, 1 thermal-magnetic switch Circuit breaker (secondary) and 1 thermal circuit breaker (primary)

Horizontal order no. A92.021 Vertical order no. A92.021V

1-phase AC power supplies Low-voltage AC module, floating, 12 V, 24 V/1 A, 35 HP
1 illuminated mains switch, 3 safety laboratory sockets for taking floating low AC voltage, 1 thermal circuit breaker (primary protection), 2 thermal circuit breakers (secondary protection)

**Horizontal order no. A92.010 Vertical order no. A92.010V**

1-phase AC power supplies Low-voltage AC module, floating, 6 V, 8 V, 12 V/1 A, 35 HP
1 illuminated mains switch, 4 safety laboratory sockets for taking floating low AC voltage, 1 thermal circuit breaker (primary protection) 3 thermal-magnetic circuit breakers (secondary protection)

Horizontal order no. A92.011 Vertical order no. A92.011V

Low AC voltage module, floating, 6 V, 12 V, 18 V, 24 V, 36 V, 42 V/3 A, 49 TE
1 illuminated mains switch, 4 safety laboratory sockets for taking floating low AC voltage, 1 thermal circuit breaker (primary protection), 3 thermal-magnetic circuit breakers (secondary protection)

Horizontal order no. A93.010 Vertical order no. A93.010V
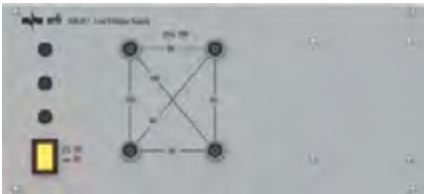
Low AC voltage module, floating, 2 V, 4 V, 6 V, 8 V, 10 V, 12 V/10 A, 49 HP
1 illuminated mains switch, 4 safety laboratory sockets for taking floating low AC voltage, 1 thermal circuit breaker (primary protection), 3 thermal-magnetic circuit breakers (secondary protection)

Horizontal Order no. A93.011

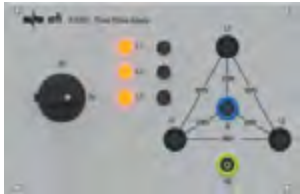**Vertical Order no. A93.011V**

Small three-phase voltage module, floating, Delta 3 x 17.3 V/150 VA, star 3 x 10 V/5 A, 56 TE
1 mains switch, 4 safety laboratory sockets L1, L2, L3, N for tapping floating low three-phase voltage, 1 thermal circuit breaker (primary fuse protection), 3 thermal-magnetic circuit breakers (secondary fuse protection)

Horizontal order no. A94.010 Vertical order no. A94.010V

Small three-phase voltage module, floating, delta 3 x 40 V, star 3 x 23 V/3 A, 56 HP
1 mains switch, 4 safety laboratory sockets L1, L2, L3, N for tapping floating low three-phase voltage, 1 thermal circuit breaker (primary fuse protection), 3 thermal-magnetic circuit breakers (secondary fuse protection)

Horizontal order no. A94.011 Vertical order no. A94.011V

Three-phase module, 35 HP
1 mains switch, 3 thermal-magnetic circuit breakers, 5 SLB[1] L1, L2, L3, N, PE, 400/ 230 V, 50 Hz, 16 A

Horizontal order no. A12.021 Vertical order no. A12.021V

[1] SLB: Safety laboratory socket

Supply modules

Multifunction generator, remote-controlled

Three-phase module, 28 HP
1 CEE socket outlet, 3-pin+ N+ PE, 6 h,400/ 230 V, 50 Hz, 16 A

Horizontal order no. A12.201 Vertical order no. A12.201V

CEE socket outlet (wired), 14 TE
2-pole+ PE, 6 h, 230 V, 50 Hz, 16 A, with blue hinged lid

Horizontal order no. A11.022 Vertical order no. A11.022V

Three-phase module, 28 HP

1 CEE socket outlet, 3-pin+ N+ PE, 6 h, 400 V / 230 V, 50 Hz, 16 A
5 SLB[1] L1, L2, L3, N PE, 400 V / 230 V, 50 Hz, 16 A

Horizontal order no. A12.057 Vertical order no. A12.057V

Three-phase module with multifunction display incl. power meter, 56 HP
U: Lx - N (V), I (A), P (W), Q (VAr), S (VA),
cos phi (0.10 i .. 1 .. 0.10 c), f (L1-N : 48-62 Hz)
1 CEE socket outlet, 3-pin+ N+ PE, 6 h, 400/ 230 V, 50 Hz, 16 A, 5
SLB[1] L1, L2, L3, N, PE, 400/ 230 V, 50 Hz, 16 A

Horizontal order no. A14.055 Vertical order no. A14.055V

Three-phase module, 42 HP
1 CEE socket 400 V / 230 V, max. 16 A per phase
5 SLB[1] 400 V / 230 V, max. 16 A per phase
1 key-operated single push-button, 1 contactor
1 Off button
3 phase indicator lights

Horizontal order no. A13.038
Vertical order no. A13.038V

Notes: An empty plate with at least 28 HP is for the contactor!

Ddeer current module 16 A , 56 TE
1 CEE socket 400 V / 230 V, max. 16 A per phase
5 SLB[1] 400 V / 230 V, max. 16 A per phase, 1 key-operated single switch
1 off button, 3-way automatic circuit breaker
3 phase indicator lights
1 key switch, 1 contactor

Horizontal order no. A14.041
Vertical order no. A14.041V

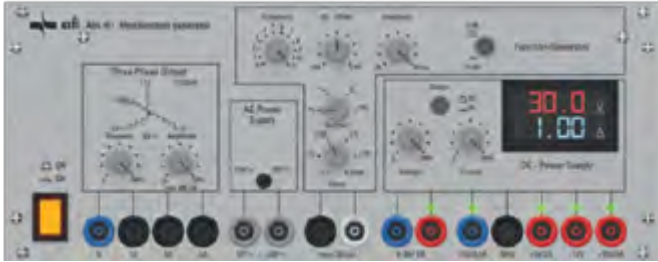Notes: An empty plate with at least 28 HP is for the contactor!

Three-phase module 32 A , 56 TE
1 CEE socket outlet, , 400 V / 230 V, 50 Hz, max. 32 A per phase
3-way automatic circuit breaker with undervoltage release,
3 phase indicator lights

Horizontal order no. A14.040 Vertical order no. A14.040V

Universal tester with digital display, remote-controlled, 56 TE

With DC and AC power supply unit, function and three-phase generator, completely remote-controllable. Ideally suited for all basic experiments and advanced experiments in electrical engineering / electronics and digital and analog technology.

Horizontal Order No. A54.101

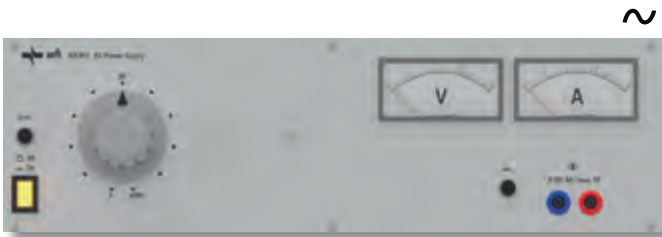**Vertical Order No. A54.101V**

Note: An empty panel with at least 56 HP is required for the switching power supply unit! Alternatively, the output stage control power supply can be installed in the cable tray or in a techcube underneath the power supply. of the table and wired accordingly.

Technical data Universal tester with digital display, fully remote controllable		
Size	113 mm / 56 TE	
Display		
LED status display	for various function groups	
DC fixed voltage	Fixed voltage 1	12 V / 1 A, short-circuit proof
	Fixed voltage 2	+ 15 V / 2 A, - 15 V / 0.5 A, short-circuit proof
	Fixed voltage 3	+ 5 V / 2 A for TTL, short-circuit proof
DC control power supply unit	0 - 30 V / 0-2 A, stabilized and short-circuit proof, Current limitation adjustable via potentiometer, output OFF function	
AC fixed voltage	Fixed voltage 1	12 V, 700 mA, 50 Hz
	Fixed voltage 2	24 V, 700 mA, 50 Hz
3-phase alternator	with 3 phases+ N, amplitude: 3 x 7/12 V, current carrying capacity: 3 x 200 mA, Output voltage: 0...10 Vrms, conductor voltage 0-17, 4 Vrms (star/delta) Frequency: 1-120 Hz adjustable in 1 Hz steps	
Function generator	Functions	Sine, triangle, square wave, logic (digital) - TTL
	Frequency range	0.1 Hz - 1 MHz
	Amplitude	0-20 Vpp, accuracy 10 mV
	Max. Output current	300 mA
	Attenuator	20 dB
	Output resistance	50 Ohm, source resistance 5 Ohm
	TTL	5 V
Interfaces	USB and Ethernet, on the rear. Also available at the front on request.	
Fuses	Short-circuit-proof and intrinsically safe as well as self-resetting fuses on all outputs	

[1] SLB: Safety laboratory socket

Variable transformers

Equipment of the transformers
All variable transformers are equipped with a thermal (primary) and thermal-magnetic (secondary) circuit breaker and an illuminated mains switch.

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0-30 V AC, 2 A, floating, 77 HP
unstabilized, output AC: 2 SLB[1] 4 mm
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A95.010
Vertical Order no. A95.010V

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0-30 V, AC/DC, 2 A, floating, 77 HP
unstabilized, switchable to 0-24 V DC
Residual ripple approx. 50 % due to integrated bridge rectifier
Output AC/DC: 2 SLB[1] 4 mm
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A95.011
Vertical Order no. A95.011V

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0-260 V AC, 1 A, not ungrounded, socket, 63 HP
unstabilized, output AC: Protective contact socket
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A94.030
Vertical Order no. A94.030V

Note: Not applicable in Expand Profile 2.

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0-24 V, AC/DC, 4 A, floating, 77 HP
unstabilized, switchable to 0-19 V DC
Residual ripple approx. 50 % due to integrated bridge rectifier
Output AC/DC: 2 SLB[1] 4 mm
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A95.012
Vertical Order no. A95.012V

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0-260 V AC, 1 A, not ungrounded, lab bushings, 63 HP
unstabilized, AC: 3 SLB[1] 4 mm (L1, N und PE)
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A94.031
Vertical Order no. A94.031V

Note: Not applicable in Expand Profile 2.

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0-260 V, AC/DC, 1 A, not ungrounded, without display, 42 HP
unstabilized, DC: 0-200 V DC unscreened,
Residual ripple approx. 50 % due to integrated bridge rectifier
Output AC/DC: 3 SLB[1] 4 mm (L1, N and PE) / 2 SLB[1] 4 mm

Horizontal Order no. A93.030
Vertical Order no. A93.030V

Note: Not applicable in Expand Profile 2.

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0-260 V AC, 1 A, not ungrounded, without display, 35 HP
unstabilized,
Output AC: 3 SLB[1] 4 mm (L1, N and PE)

Horizontal Order no. A92.030
**Vertical Order no. A92.030V**

Note: Not applicable in Expand Profile 2.

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0-260 V AC/DC, max. 2 A, floating, 63 HP
unstabilized, switchable to 0-200 V DC by bridge rectifier
Ouput AC/DC: Socket without earthing contact / 2 SLB[1] 4mm
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-260 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

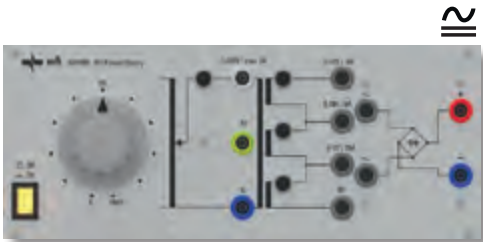**Horizontal Order no. A94.032**
Vertical Order no. A94.032V

Note: Not applicable in Expand Profile 2, energy superstructures / cockpits 150 mm deep.

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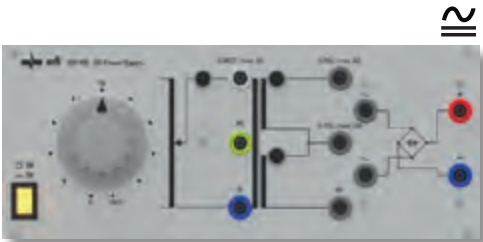
0-12/24/260 V, AC/DC, floating resp. not ungrounded, 56 HP
unstabilized,
AC 1: 0–12 V AC max. 12 A floating   *AC 2:* 0-24 V AC max. 6 A floating
AC 3: 0-260 V AC max. 2 A not ungrounded
Ouput AC 1+2: je 2 SLB[1] 4 mm
Ouput AC 3: 3 SLB[1] 4 mm (L1, N and PE)
Bridge rectifier for external wiring

Horizontal Order no. A94.033
Vertical Order no. A94.033V

Note: Not applicable in Expand Profile 2, energy superstructures / cockpits 150 mm deep.

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0-6/18/42/260 V, AC/DC, floating resp. not ungrounded, 56 HP
unstabilized,
AC 1: 0-6 V AC max. 15 A floating   *AC 2:* 0-18 V AC max. 6 A floating
AC 3: 0-42 V AC max. 3 A floating   *AC 4:* 0-260 V AC max. 2 A not ungrounded
Ouput AC 1-3: je 2 SLB[1] 4 mm
Ouput AC 4: 3 SLB[1] 4 mm (L1, N and PE)
Bridge rectifier for external wiring

Horizontal Order no. A94.034
Vertical Order no. A94.034V

Note: Not applicable in Expand Profile 2, energy superstructures / cockpits 150 mm deep.

[1] SLB: Safety laboratory socket

Fixed voltage sources

Technical Data Longitudinally Regulated Fixed Voltage Sources

Output data	Voltage	5 V	5 V	12 V	12 V	15 V	15 V
	Current	1 A	3 A	1 A	2 A	1 A	2 A
Control deviation	Voltage load change 0-100%	20 mV	20 mV	50 mV	80 mV	50 mV	80 mV
Ripple	Voltage at nominal load 0,5 m$_{Veff}$						
Control time	Load jump from 0% to 100% 15 μs						

Tracking power supply ±3 bis ±15 V / 1 A and 5 V / 1 A, 42 HP
fixed longitudinal control, permanent short-circuit proof,
series and parallel connectable
Output: SLB[1] 4 mm

Horizontal Order no. A23.050
Vertical Order no. A23.050V

Fixed voltage source 3.3 V/4 A, 28 TE
Clocked, permanently short-circuit proof, can be connected in
series and parallel, double nominal peak power when switched
on power factor and harmonics according to EN61000-3-2
Outputs: SLB1 4 mm
Fuse protection: 1 thermal-magnetic circuit breaker
Horizontal Order no. A22.100
Vertical Order no. A22.100V

Fixed voltage source 5 V / 3 A, 35 HP
longitudinally controlled, permanent short-circuit proof,
series and parallel connectable
Output: SLB[1] 4 mm

Horizontal Order no. A22.050
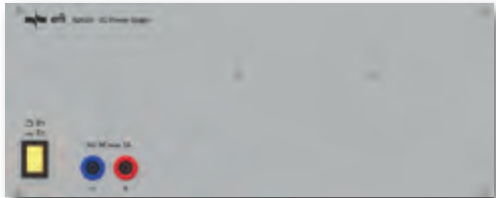**Vertical Order no. A22.050V**

Fixed voltage source ±5 V/3 A, 56 HP
longitudinally controlled, permanent short-circuit proof,
series and parallel connectable
Output: SLB[1] 4 mm

Horizontal Order no. A24.050
Vertical Order no. A24.050V

Fixed voltage source 24 V/4 A, 56 TE
Pulsed, permanently short-circuit proof, can be connected
in series and parallel
Outputs: SLB1 4 mm
Fuse: Thermal-magnetic device protection switch, 4 A
Horizontal Order no. A24.064
Vertical Order no. A24.064V

Fixed voltage source 24 V/5 A (10 A peak), 56 TE
clocked, continuously short-circuit proof, series and parallel connec-
table, double nominal peak power when switched on
Power factor and harmonics according to EN61000-3-2
Load regulation: 192 mV max.
Residual ripple and noise: 360 mV max.
Outputs: SLB1 4 mm
Horizontal Order no. A24.051
Vertical Order no. A24.051V

Fixed voltage source 2 x 12 V/2 A, 63 HP
permanent short-circuit proof, parallel or
series connectable, lengthwise controlled
Output: SLB[1] 4 mm

Horizontal Order no. A24.052
Vertical Order no. A24.052V

Fixed voltage source 2 x 15 V / 2 A, 63 HP
permanently short-circuit proof,
series and parallel connection possible
Output: SLB[1] 4 mm

Horizontal Order no. A24.053
Vertical Order no. A24.053V

Fixed voltage source ±12 V / 1 A and 5 V / 3 A, 70 HP
permanently short-circuit proof,
series and parallel connection possible,
1 Protective contact socket 230 V / 16 A additionally
Output: SLB[1] 4 mm

Horizontal Order no. A25.050   Note: Not applicable in
Vertical Order no. A25.050V   Expand Profile 2.

Fixed voltage source ±15 V / 1 A and 5 V / 3 A, 70 HP
permanently short-circuit proof,
series and parallel connection possible,
1 Protective contact socket 230 V / 16 A additionally
Output: SLB[1] 4 mm

Horizontal Order no. A25.051   Note: Not applicable in
Vertical Order no. A25.051V   Expand Profile 2.

Switching power supply
–/+ 5 V/3 A, –/+ 12 V/1.3 A, –/+ 15 V/1 A, 56 TE
Switched mode, permanently short-circuit proof, can be connected
in series and parallel, double nominal peak power when switched on
Power factor and harmonics according to EN61000-3-2
Outputs: SLB1 4 mm
Horizontal Order no. A24.058
Vertical Order no. A24.058V

Regulated power supplies (DC), remote control

Single rule power supply 0–30 V / 0–2 A, 49 HP
One digital display for voltage and current;
OUTPUT-OFF: Enables output deactivation with simultaneous limitation
of max. output current (visualized in display).

Horizontal Order no. A23.015
Vertical Order no. A23.015V

Single rule power supply 0–30 V / 0–2 A, 49 HP
Two digital display for voltage and current;
OUTPUT-OFF: Enables output deactivation with simultaneous limitation
of max. output current (visualized in display).

Horizontal Order no. A23.025
Vertical Order no. A23.025V

Double control power supply unit 2 x 0–30 V / 2 x 0–2 A, 98 HP
Two digital display for voltage and current;
OUTPUT-OFF: Enables output deactivation with simultaneous limitation
of max. output current (visualized in display).

Horizontal Order no. A27.015
Vertical Order no. A27.015V

Double control power supply unit 2 x 0–30 V / 2 x 0–2 A, 98 HP
Four digital display for voltage and current;
OUTPUT-OFF: Enables output deactivation with simultaneous limitation
of max. output current (visualized in display).

Horizontal Order no. A27.025
Vertical Order no. A27.025V

Programmable laboratory power supply 50 V/5 A, 56 TE
Adjustable output voltage, current, and power (0–50 V, 0–5 A).
High resolution for current and voltage adjustment: 1 mA or 10 mV.
Parameter memory for shutdown values (limit values). 10 data memories
for presettings, 3.65 cm color display. Clear display of setpoint and actual
values, operating states, limit values. Key lock and automatic recall of last
settings when switching on.

Horizontal Order No. A24.101
Vertical Order No. A24.101V

Technical Data Remote Control Power Supplies (DC)

Output data	permanently short-circuit proof, series and parallel connection possible	
Control deviation load change 0-100%	Voltage 2 mV/A	Current 0,02 mA/V
Temperature coefficient	Voltage 0,005%/K	Current 0,013 %/K
Ripple	Voltage 0,2 mV$_{eff}$	Current 0,2 mA$_{eff}$
Control time	Load jump from 0% to 100% 15 µs	Load jump from 100% to 0% 500 µs
Ramp generator	for any voltage curves	
Ramp parameters	Initial and final voltage, speed, duration per ramp step, number of cycles	
Outputs	4 mm Safety laboratory sockets	
Interfaces (Optional)	Ethernet, USB 2.0, RS232-C	

Rear interfaces (option)
The interfaces enable the control of the control power supplies.
The erfi software *highlink Power* takes over the complete device
control as well as the room control via Ethernet interface.

Ethernet, Order no. NWT.1.106
USB 2.0, Order no. NWT 1.107
RS 232 C, Order no. NWT 1.108

Installation note
The power stage of the control power supply
unit is mounted in the cable trough or in a Tech-
cube below the table and wired accordingly.

Energy units

Interface and connection panels

RC-Decade, 42 HP

Combination device with integrated R- and C-decade for the
experimental determination of resistance and capacitance values.
Discharge circuit: Button with changeover switch and discharge resistor 10 kOhm
Resistance: 1 Ohm til 999,999 kOhm in steps at 1 Ohm
Accuracy:

± 1 % above 40 Ohm   ± 4 % from 40 Ohm to 13 Ohm
± 6 % from 12 Ohm to 3 Ohm   ± 10 % at 2 Ohm and 1 Ohm
Load capacity max. 1 W / Voltage max. 250 V (50 Hz)
Capacity: 100 pF bis 9.9999 µF in steps at 100 pF
Accuracy: ± 2 % above 1 nF   ± 10 % from 1 nF to 100 pF

Horizontal Order no. A13.050
Vertical Order no. A13.050V

RC-Logade, 28 HP

For experimental determination of resistance and capacitance values.
The resistance and the capacitance can be adjusted by means of a rotary switch.
Resistance: 100 Ohm til 680 kOhm row E 6
          Tolerance ± 2 % / Load capacity max. 0,5 W / Voltage max. 400 V DC
Capacity: 100 pF til 680 nF row E 6
          Tolerancw ± 10 % / Voltage max. 250 V DC

Horizontal Order no. A12.050
Vertical Order no. A12.050V

L-Logade, 14 HP

For the experimental determination of inductance values.
The inductance can be adjusted by means of a rotary switch.
Value range: 1 µH til 4700 µH, graduated according to series E 6 (23 values)
Accuracy: 1 µH til 33 µH ± 10 %, 47 µH til 4700 µH ± 5 %
Voltage max. 100 V DC / Current max. 63 mA, protected by fine-wire fuse

Horizontal Order no. A11.050
Vertical Order no. A11.050V

Continuity tester, visual and audible, 28 TE

Visual via green light field for low-resistance resistors,
audible via loudspeaker for high-resistance resistors

Horizontal Order no. A12.060
Vertical Order no. A12.060V

2 SubD connectors, 9-pin, 7 HP
incl. cable 1.8 m and mating socket

Horizontal order no. A10.003
Vertical order no. A10.003V

1 SubD socket, 25-pin, 7 HP
incl. cable 1.8 m and mating socket

Horizontal order no. A10.004
Vertical order no. A10.004V

1 DVI socket, 7 TE
incl. cable 1.8 m and mating socket

Horizontal order no. A10.022
Vertical order no. A10.022V

PC multimedia socket, 14 TE
3 x USB port,
2 x audio jack socket 3.5 mm, 1x
multimedia card reader
(SD, MMC, SDHC, MS, MS pro,
MS duo, MS produo) incl.
cable 1.8 m

Horizontal order no. A11.202
Vertical order no. A11.202V

Safety laboratory socket PE, 7 TE
Protective conductor wired, 1 SLB[1] 4
mm

**Horizontal order no. A10.045 Vertical
order no. A10.045V**

Insert plate Earthing bolt, 14 HP
3 x POAG earthing bolts

**Horizontal order no. A10.102 Vertical
order no. A10.102V**

USB C charging socket up to 100 W, 7 TE

Horizontal order no. A10.160
Vertical order no. A10.160V

4-port USB hub, 7 TE
4-port USB port, USB 3.1

Horizontal order no. A10.154
Vertical order no. A10.154V

1 socket for mains plug, 7 TE for

plug type C13:
Horizontal order no. A10.161
Vertical order no. A10.161V
for plug type C19:
Horizontal order no. A10.162
Vertical order no. A10.162V

RFID insert plate, 14 TE
For table release, incl. transponder chip
(key fob)

Horizontal order no. A11.201
Vertical order no. A11.201V

Sash clamp PE, 7 TE
Sash terminal with SLB[1] wired to PE 4 mm²

Horizontal order no. A10.058
Vertical order no. A10.058V

**Front panel for status display of the DK 4 / DK
10 dual** permanent monitoring **system** Front panel
for optional integration of the visual status display
of the DK 4 / DK 10 dual permanent monitoring
system, see + accessories page 378

Horizontal order no. A13.095, 14 HP
Vertical order no. A13.095V, 21 HP

[1] SLB: Safety laboratory socket

Modular interface panels

Insert plates

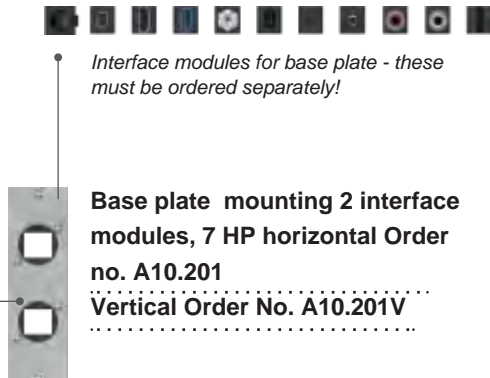**Modular interface panels**

The modular interface panels consist of a base plate for mounting interface modules including mounting adapters.

Interface modules for base plate - these must be ordered separately!

Base plate mounting 1 interface module, 7 HP

Horizontal order no. A10.200
Vertical order no. A10.200V

Base plate incl. mounting adapter for interface modules

Base plate mounting 2 interface modules, 7 HP horizontal Order no. A10.201

Vertical Order No. A10.201V

Blank plates

The blank plates in specified size units are equally designed for vertical and horizontal installation.

Modules for interface fields

each incl. cable 1.8 m and mating connector

RJ45 feed-through socket Cat. 6A order no. M.001

USB A 3.0 feed-through socket order no. M.002

USB A 3.0 to B socket order no. M.003

USB B feed-through socket order no. M.004

USB C feed-through socket order no. M.005

USB A charging socket (suitable for base plate A10.200 / A10.200V), **order no. M.009**

USB C charging socket 5 V / 2.1 A (suitable for Ba- sis plate A10.200 / A10.200V), **order no. M.010**

Fiber optic module LC duplex feed-through socket order no. M.011

Fiber optic module SC Simplex feed-through socket order no. M.012

HDMI feed-through socket order no. M.006

Display port feed-through socket order no. M.007

Mini display port socket to plug order no. M.008

FireWire-IEE 1394 feed-through socket order no. M.013

BNC feed-through socket order no. M.014
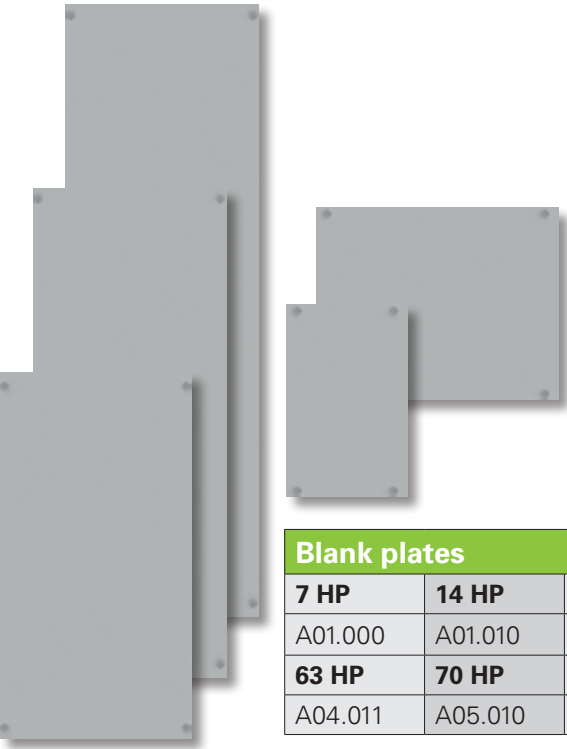
F-through bushing order no. M.015

IEC socket to F socket order no. M.016

IEC plug to F socket order no. M.017

Blank plates							
7 HP	**14 HP**	**21 HP**	**28 HP**	**35 HP**	**42 HP**	**49 HP**	**56 HP**
A01.000	A01.010	A01.011	A02.010	A02.011	A03.010	A03.011	A04.010
63 HP	**70 HP**	**77 HP**	**84 HP**	**91 HP**	**95 HP**	**98 HP**	
A04.011	A05.010	A05.011	A06.010	A06.011	A07.010	A08.010	

Colored blank plates

Optionally, all blank panels are available in your desired color. Please specify the RAL color.

Order no. A.MPF

Remaining plates

Variable size panel to complete the built-in front.

Order no. A01.001

Insert plate for cavity wall box Ø 68 mm, 28 HP

Horizontal Order no. A12.017
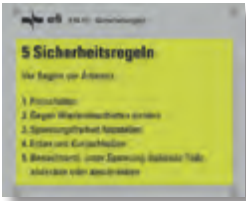**Vertical Order no. A12.017V**

Insert plate for cable entry box, 21 TE

Ø 60 mm
Horizontal Order no. A11.203
Vertical Order no. A11.203V

Ø 80 mm
Horizontal Order no. A11.204
Vertical Order no. A11.204V

erfi-Didactic

Pneumatic units

erfi

erfi didactics for educational institutions
The insert plates of the erfi didactic series is useful
for useful for all equipment in the training area.

Safety rules didactic area, 28 HP
Front panel with 5 important safety rules for electronics
laboratories. Black lettering on yellow background.
Horizontal Order no. A12.139
Vertical Order no. A12.139V

ASi, 14 HP
4 SLB[1] 4 mm yellow, unwired,
„ASi logo" imprint
Horizontal Order no. A11.149
Vertical Order no. A11.149V

KNX, 7 HP
2 SLB[1] 2 mm red / black,
unwired, „KNX logo" imprint
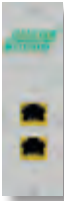**Horizontal Order no. A10.127**
Vertical Order no. A10.127V

PROFI BUS, 7 HP
2 Sub-D adapters (Genter-Changer)
9-pin, front side female / rear side
female, „PROFI-BUS"- imprint
Horizontal Order no. A10.129
Vertical Order no. A10.129V

PROFI NET, 7 HP
2 RJ45 socket 8-pin pluggable
on both sides, 3 m patch cable,
„PROFI-NET" imprint
Horizontal Order no. A10.128
Vertical Order no. A10.128V

PC USB Oscilloscope, 42 HP
2-channel, 16 digital channels, 25 MHz, 200 MS/s,
USB interface on the rear side.
Spectrum analyzer, function generator,
arbitrary waveform generator with serial bus analyzer.
Horizontal Order no. A27.028
Vertical Order no. A27.028V

Dreturn air outlet, 7 TE
A Outlet: KD 3, DN 5 self-regulating /
                         KD 4, DN 7.2 self-canceling
B Operating pressure: Max. 10 bar
Inlet: Rear for hose, Ø 8 mm outside

with KD 3 coupling, DN 5:
Horizontal order no. A70.101
Vertical order no. A70.101V

with KD 4 coupling, DN 7.2:
Horizontal order no. A70.103
Vertical order no. A70.103V

Pneumatic unit with pressure gauge
Output pressure for clutch:
0 to 10 bar, continuously adjustable,
Pressure reducer with locking device and overpressure protection
Outlet: Coupling KD 3, DN 5 self-regulating /
                       KD 4, DN 7.2 self-adjusting
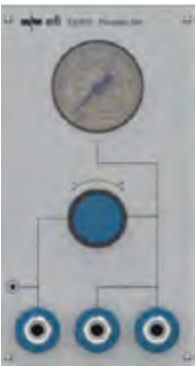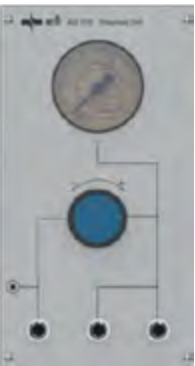*Inlet:*   Rear for hose, Ø 8 mm outside
Display: Pressure gauge

with KD 3 coupling, DN 5: Horizontal
order no. A72.017, **35 TE Vertical**
order no. A72.017V, **42 TE**

with KD 4 coupling, DN 7.2:
Horizontal order no. A72.140, **35 TE**
Vertical order no. A72.140V, **42 TE**

Pneumatic unit with pressure gauge
Output pressure for clutch 1 and 2:
0 to 10 bar, continuously adjustable,
Pressure reducer with locking device and overpressure protection
Output pressure for clutch 3:
Direct tapping of the inlet pressure
Outlet: All 3 couplings KD 3, DN 5 self-regulating / KD
                       4, DN 7.2 self-adjusting
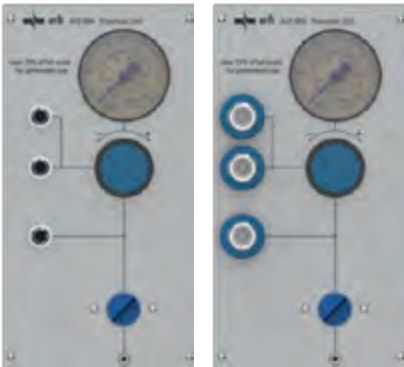*Inlet:*   Rear for hose, Ø 8 mm outside
Display: Pressure gauge

with KD 3 couplings, DN 5: Horizontal
order no. A72.111, **35 TE Vertical order**
no. A72.111V, **42 TE**

with KD 4 couplings, DN 7.2: Horizontal
order no. A72.012, **35 TE Vertical order**
**no. A72.012V**, **42 TE**

Pneumatic units

Soldering

Pneumatic unit with pressure gauge
Output pressure for clutch 1 and 2:
0 to 10 bar, continuously adjustable,
Pressure reducer with locking device and overpressure protection
Output pressure for clutch 3:
Direct tapping of the inlet pressure

Outlet:	All 3 couplings KD 3, DN 5 self-regulating / KD 4, DN 7.2 self-adjusting
Inlet:	Rear for hose, Ø 8 mm outside
Display:	Pressure gauge

Shut-off valve: 1x central shut-off valve

**with KD 3 coupling, DN 5: Horizontal
order no. A73.104, 35 TE Vertical
order no. A73.104V, 42 TE**

**with KD 4 coupling, DN 7.2:
Horizontal order no. A73.103, 35 TE
Vertical order no. A73.103V, 42 TE**
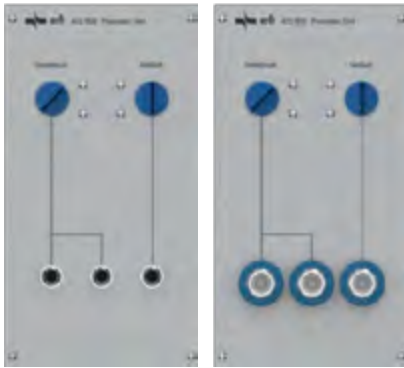
Pneumatic unit
For direct extraction of vacuum and compressed air, 10 bar

Output:	Vacuum: 2 fixed outputs
	Compressed air: 1 fixed output
	All 3 couplings KD 3, DN 5 self-regulating / KD 4, DN 7.2 self-canceling
Inlet:	Rear for hose, Ø 8 mm outside
Shut-off valve:	1 x for vacuum
	1 x for compressed air

**with KD 3 coupling, DN 5: Horizontal
order no. A73.102, 35 TE Vertical
order no. A73.102V, 42 TE**

**with KD 4 coupling, DN 7.2:
Horizontal order no. A73.101, 35 TE
Vertical order no. A73.101V, 42 TE**

Solder fume extraction, 14 TE
With bulkhead fitting for the BMM hose
**Horizontal Order No. A71.103
Vertical Order No. A71.103V**

Shut-off valve, 28 TE
Shut-off valve for compressed air module

**Horizontal order no. A72.130
Vertical order no. A72.130V**

Soldering station 80 W with digital display
– Electronic control electronics
– Temperature ranges 50 °C to 450 °C, adjustable via buttons
– 3-digit digital display for actual and setpoint value
– Tolerance +/- 2% of final value
– Automatic tool recognition
– External input device (WCB 1/ WCB 2, optional) can be connected for time and locking position.
– Potential equalization (basic state hard earthed)

Scope of delivery: Incl. soldering pencil WSP 80 and holder WPH for WSP 80

Horizontal order no. A13.060, (42 TE)
Vertical order no. A13.060V, (35 TE)

for 1 workstation
Table-top solder extraction unit
• Fully-fledged filter unit
• Efficient particle and gas filtration
• Odor elimination for individual workstations
• Simple filter change
• Filter status indicator (green/red light)
• Powerful fan / adjustable suction power
• Compact design, easy to move
• Stackable with all soldering station brands (max. footprint 13 cm x 18 cm)
• Can be connected to Weller soldering stations
• Illuminated work area
• ESD-safe

for 1-2 workstations
Solder fume extraction 2
• 2 upright ESD extraction arms, Ø 50 mm, length 650 mm for table mounting
• Fixing by means of a mounting plate flush with the tabletop - the extraction arms can be removed at any time for a free, even surface
• Installation cable and table bracket
• Display for blocked filters
• Incl. remote control for air flow regulation
• ESD-safe

Technical data

Size (L x W x H):	270 x 212 x 110 mm
Power:	20 W
Capacity:	32 m³/h
Max. Vacuum:	490 PA
Noise level:	50 dBA
	(59 dBA at full power)

Order no.: ELH1.600

Technical data

Size (L x W x H):	260 x 260 x 420 mm
Weight:	10 kg
Filter:	Granulated carbon gas filter - ACF
	99.997% HEPA filtration
Power:	140 W
Capacity:	180 m³/ h (106CFM)
Noise level:	Under 55db (at normal operating speed)

Order no.: ELH1.680

Direct / piston extraction

Surface extraction

Compressed air solder fume extractor 3
for 1-2 workstations (for 2 FE soldering irons)
- For under-sink mounting
- Maintenance-free compressed air converter
- For continuous industrial operation
- A compressed air cleaning filter also removes odors caused by compressed air
- ESD-safe

Technical data
Size (L x W x H):	140 x 140 x 200 mm
Weight:	2.7 kg
Filters	Compact filter Particle filter H13, broadband gas filter (50 % activated carbon + 50 % Chemisorb)
Performance:	6 bar
Capacity:	30 m³ / h
Air consumption:	30 l / min
Max. Vacuum blower:	20,000 Pa
Noise level:	< 39 dB(A) (distance 1 m)

Order no.: ELH1.640

Electric solder fume extractor 4
for 1-2 workstations (for 2 FE soldering irons)
- Suitable for under-sink installation
- Electric vacuum pump
- 2 power levels
- Portable device for central use, with built-in pump *(not for continuous operation)*
- Maintenance-free capacitor motor with integrated thermal fuse (overload protection)
- ESD-safe

Technical data
Size (L x W x H):	140 x 140 x 295 mm
Weight:	4 kg
Filters	Compact filter Particle filter H13, broadband gas filter (50 % activated carbon + 50 % Chemisorb)
Power:	70 W
Capacity:	50 m³/h
Max. Vacuum blower:	30,000 Pa
Noise level:	< 45 dB(A) (distance 1 m)

Order no.: ELH1.650

Suction unit with pipe system 5
for up to 20 workstations
- Electronically controlled, maintenance-free turbine generates the required negative pressure
- 4 castors for increased flexibility of the unit
- Use with a pipe system of up to 200 m (7874 in)
- Compatible nozzle WX
- ESD-safe

Technical data
Size (L x W x H):	450 x 450 x 695 mm
Weight:	approx. 45 kg
Filters	Compact filter Particle filter H13, broadband gas filter (50 % activated carbon + 50 % Chemisorb)
Power:	530 VA
Max. Vacuum blower:	10,000 Pa
Noise level:	< 51 dB(A) (distance 1 m)
USB port:	For firmware updates, Performance tests, data logging

Order no.: ELH01.630

Solder fume extraction 6
for 1-2 workstations
- For continuous operation in industrial environments
- Maintenance-free brushless EC turbine
- F7 fine dust pre-filter and extra-large HEPA H13 filter surface with 2.4 m² for particularly long filter service life
- Adjustable suction power
- Automatic filter change notification system
- Portable suction unit
- Compatible nozzle WX WT

Technical data
Size (L x W x H):	335 x 330 x 445 mm
Weight:	9 kg
Filter:	Compact filter particle filter H13 and granular activated carbon filter
Power:	120 W
Capacity:	190 m³ / h
Max. Vacuum blower:	3,000 Pa
Noise level:	<50 dB(A) (distance 1 m)

Scope of delivery
- Suction unit for 1-2 workstations
- 1 suction arm (approx. 1 m) with suction hose approx. 3 m, shut-off valve with table attachment, remote switch and funnel nozzle

Note: 2nd hose for 2nd workstation must be ordered separately!
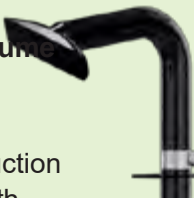*Order no.: ELH1.660*

Order no.: ELH1.620

Solder fume extraction 7
for 2-4 workstations
- Constant Flow Control (CFC) function: Optimally regulated extraction for each individual workstation
- Electronic filter control (optical and acoustic)
- 4 castors for increased flexibility of the unit
- Compatible nozzle WX WT
- ESD-safe

Technical data
Size (L x W x H):	345 x 325 x 505 mm
Weight:	19 kg
Filter:	Compact filter particle filter H13, broadband gas filter (50 % activated carbon / 50 % potassium permanganate)
Power:	275 VA
Capacity:	230 m³ / h
Max. Vacuum blower:	3,800 Pa
Noise level:	< 48 dB(A) (distance 1 m)
USB port:	For firmware updates, power Performance tests, data logging
RS232 port:	For remote control by a PC, optionally with remote control

Scope of delivery
- Suction unit for 2-4 workstations
- 2x flexible Easy-Click 60 suction arm with funnel nozzle, throttle valve, table clamps

Order no.: ELH1.610

Accessories suitable for solder fume extraction 6 and 7

Suction arm
1 suction arm (approx. 1 m) with suction hose approx. 3 m, shut-off valve with Table mounting, remote switch and funnel nozzle.

Order no.: ELH1.660

Stand suction arm
1 suction arm with stand arm, funnel nozzle (W x H): 230 x 100 mm) and butterfly valve with table clamps. Flexible extraction arm, length: 0.7 m. Suction hose 3 m.

231 mm

Order no.: ELH1.670
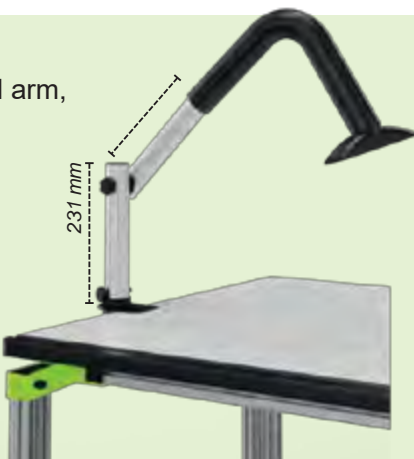
Expand Profile 3

Vertical and horizontal expansion profile 3
In addition to expansion profiles 1 and 2, expansion profile 3 accommodates additional media. It is available in two sizes. Particularly large quantities of cables (size 1) or medium quantities of cables (size 2) can be stored in the table construction to save space. Depending on the installation, the profile system is accessible from the front or rear and allows wiring between the tables at any height. The system can of course also be used without the vertical expand profiles.

Horizontal alignment: The horizontal alignment enables horizontal media routing and the connection of the two vertical expand profiles on the left and right.
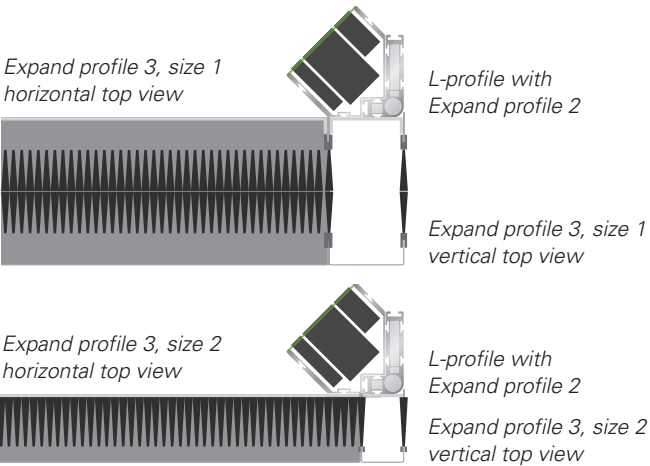**Special features**
• **Size 1:** System height 90 mm, -depth 185 mm
• **Size 2:** System height 40 mm, -depth 60 mm
• Can be docked to the rear of the L-profile and is height-adjustable
• Useful under storage shelves and device cockpits

Vertical alignment: The vertical alignment of the Expand profile 3 extends the L-foot profile to the rear, thus ensuring extended and intelligent media routing in the vertical direction.
Special features
• **Size 1:** System width 90 mm, -depth 185 mm
• **Size 2:** System width 40 mm, -depth 60 mm
• Side brush cover over entire height
• Metal rear panel
• Internal holders for cable sorting (optional)
• Can be docked to the rear of the L-profile
• Kink-free media entry in all directions
• Exterior can be covered with side panel

Complete horizontal Expand Profile 3 with cable duct incl. brush cover

Vertical Expand Profile 3 (basic module)

Lateral brush cover

Vertical Expand Profile 3 (basic module) with side closure

Expand profile 3, size 1 horizontal top view

L-profile with Expand profile 2

Expand profile 3, size 1 vertical top view

Expand profile 3, size 2 horizontal top view

L-profile with Expand profile 2

Expand profile 3, size 2 vertical top view

Detailbild: Kabelklappe mit Kabelführung (optional). Abbildung zeigt den geöffneten Zustand.

Vertical Expand profile 3				Horizontal Expand profile 3	
Vertical Table height mm/"	Base module	Side brush cover	Side end module	Horizontal table width mm /"	Complete module
Size 1: System depth 185 mm / 7.28"					
780 / 30.71	ELC2.14.780.1.X	ELC2.14.780.2	ELC2.14.780.3	**1.200 / 47.24**	ELC2.14.1200.H
1.200 / 47.24	ELC2.14.1200.1.X	ELC2.14.1200.2	ELC2.14.1200.3	**1.600 / 62.99**	ELC2.14.1600.H
1.400 / 55.12	ELC2.14.1400.1.X	ELC2.14.1400.2	ELC2.14.1400.3	**1.800 / 70.87**	ELC2.14.1800.H
1.500 / 59.06	ELC2.14.1500.1.X	ELC2.14.1500.2	ELC2.14.1500.3	**2.000 / 78.74**	ELC2.14.2000.H
1.800 / 70.87	ELC2.14.1800.1.X	ELC2.14.1800.2	ELC2.14.1800.3		
2.000 / 78.74	ELC2.14.2000.1.X	ELC2.14.2000.2	ELC2.14.2000.3		
2.200 / 86.61	ELC2.14.2200.1.X	ELC2.14.2200.2	ELC2.14.2200.3		
Size 2: System depth 60 mm / 2.36"					
780 / 30.71	ELC2.14.780.4.X	ELC2.14.780.5	ELC2.14.780.6	**1.200 / 47.24**	ELC2.14.1200.2H
1.200 / 47.24	ELC2.14.1200.4.X	ELC2.14.1200.5	ELC2.14.1200.6	**1.600 / 62.99**	ELC2.14.1600.2H
1.400 / 55.12	ELC2.14.1400.4.X	ELC2.14.1400.5	ELC2.14.1400.6	**1.800 / 70.87**	ELC2.14.1800.2H
1.500 / 59.06	ELC2.14.1500.4.X	ELC2.14.1500.5	ELC2.14.1500.6	**2.000 / 78.74**	ELC2.14.2000.2H
1.800 / 70.87	ELC2.14.1800.4.X	ELC2.14.1800.5	ELC2.14.1800.6		
2.000 / 78.74	ELC2.14.2000.4.X	ELC2.14.2000.5	ELC2.14.2000.6		
2.200 / 86.61	ELC2.14.2200.4.X	ELC2.14.2200.5	ELC2.14.2200.6		

Cable flap with cable guide function (optional) **Order no.:** ELC2.14.KF
Internal holders for cable sorting (optional) **Order no.:** ELC2.14.KS

Ordering information: Please replace the "x" with the desired mounting position: L = left, R = right, or LR = left and right.

Container program

Mobile pedestal ELC.6.1.544.C.1, optionally with ergonomic functional handles in elneos green, order no. ELCCS4.

Mobile pedestal ELC.6.1.544.C.1, optionally with touch-to-open, Order no.: EL6.9.3.

Mobile pedestal ELC.6.1.544.C.1, optionally with handle profile strips on the side left and right, anodized aluminium, order no. ELCCS2.

Mobile pedestal ELC.6.1.544.C.1, with bow handles as standard, black.

The elneos® connect container program

The *elneos connect* container program differs from other container systems in the following key advantages:

1. Smart close technology fitted as standard;
2. Special chassis for maximum stability;
3. Roll container can converted into a hanging container at any time;
4. High-quality design castors with ø 75 mm and improved running properties: 200 kg static load per castor, 100 kg dynamic load per castor;
5. Material tray with improved division and usable height 40 mm

Special features

1. Smart close technology

elneos connect offers Smart Close technology as standard. When closing, the drawer is slowed down over the last few centimeters and glides gently into its final position without hitting the floor.

2. Touch-to-open technology

With touch-to-open, all you have to do is press lightly on the front and the drawer opens. After the opening process, you decide for yourself how wide the drawer should be open. Touch-to-open makes container handles and side handles superfluous. The panels are smooth on all sides and offer maximum safety. Even when the drawers are open, the risk of injury is minimized as there are no protruding edges or corners.

3. Electronic central locking optional

On request, the containers are available with electronic central locking (transponder technology).

4. Roll container with special chassis

For special requirements in classrooms or in harsh industrial environments, *elneos connect* mobile pedestals have a reinforced metal chassis as standard. This reliably prevents the castors from tearing out.

Wide range of variants

- Mobile pedestals - wall-mounted pedestals - free-standing pedestals, each in system widths 430 mm and 330 mm
- 19-inch base cabinets - PC base cabinets

Technical versions

- All models also available in a conductive version.
- Body made of directly coated chipboard with a high-quality look and low noise levels.
- Equipped with steel drawers for organization.
- Top drawer with particularly high insert for writing utensils (40 mm) and significantly improved partitioning as standard; front height 1 U (U = height unit, 1 U = 50 mm).
- Drawer front heights from 2 U to 6 U.
- Suspended pedestal can be mounted at any position on the aluminum table frame.
- All wall units are equipped with a stop control function (only one drawer can be pulled out at a time).
- All mobile pedestals have a Stop-Control-Plus function. This function ensures that only one drawer can open if a door threshold or similar is crossed. The drawers are locked in a tamper-proof manner. This prevents them from falling over unintentionally.
- Drawers with a front height of 6 U are fitted with full-extension runners as standard.
- Drawer usable depth 490 mm, alternatively 690 mm
- High-quality full-extension drawer runner, 4 ball bearings, available for every drawer incl. self-cleaning function for a long service life.

Handles for containers

Bow handle, black
Serie

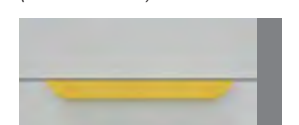*Side handle profile strips left and right, Anodized aluminium ELCCS2*

ergonomic functional handle graphite black (RAL 9011)   *ELCCS1*
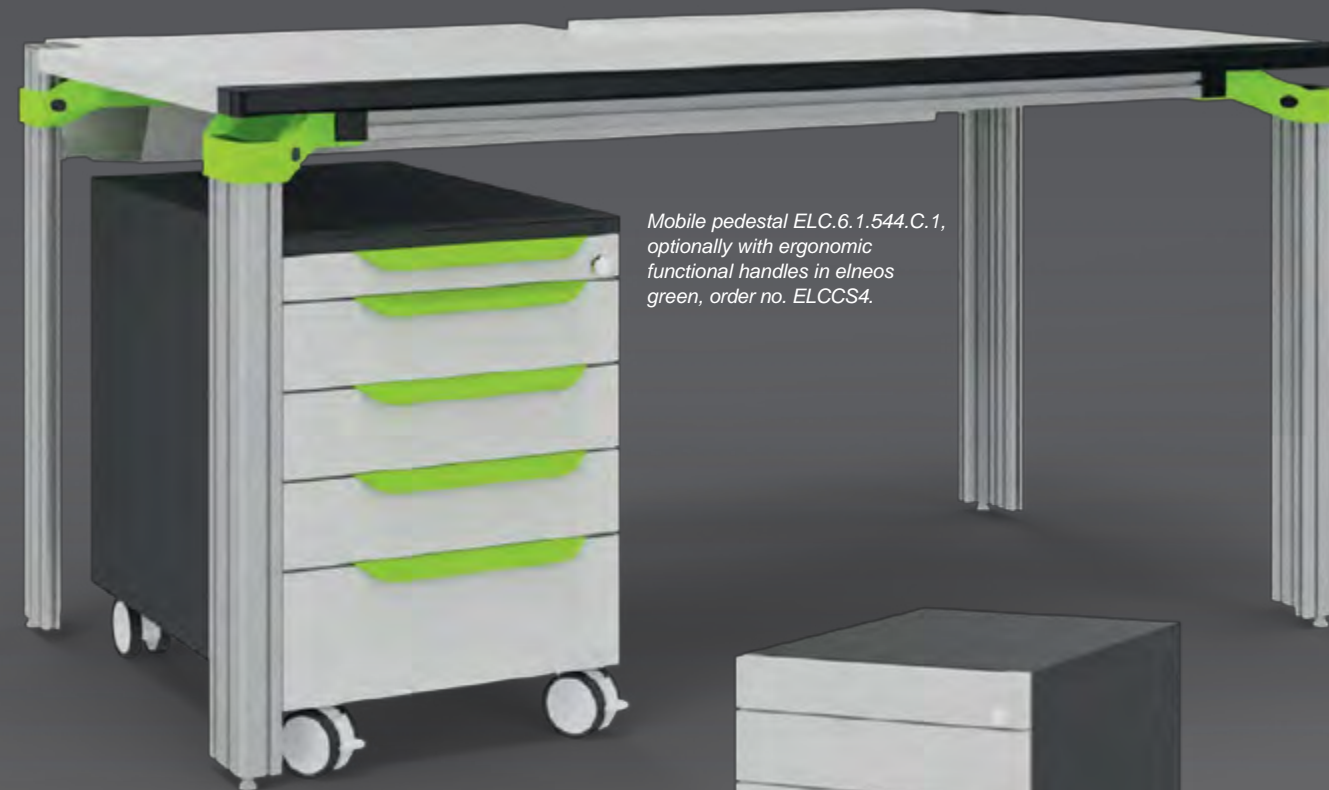
Ergonomic functional handle blue (NCS-S-1565-B)   *ELCCS3*

Ergonomic functional handle elneos green (RAL DESIGN 1107070) ELCCS4

Ergonomic functional handle zinc yellow (RAL1018)   *ELCCS5*

Mobile containers

The main advantages
- Smart-Close technology
- Special chassis and 75 mm designer castors with excellent running characteristics
- Can be converted into a hanging container
- Improved material shell
- Continuous cover plate

Please replace the "x" in the order number with the desired container decor.

Decor 1 *Non-conductive decor*
Fronts: Front white
Body: Graphite black
Decor 2 *Non-conductive decor*
Fronts: Front white
Body: Front white
Decor 3 *ESD version*
Fronts: Front white
Body: Front white
Castors: ESD version

Mobile container ELC.6.1.746.C.1, standard with bow handles, black.

Roller container						
Depths mm/"	Widths mm/"	Usable depth mm/"	Version A Divisions: 1 x 1 U, 3 x 3 U;	Version B Divisions: 1 x 1 U, 1 x 2 U, 1 x 3 U, 1 x 4 U;	Version C Divisions: 1 x 1 U, 3 x 2 U, 1 x 3 U;	Version D Divisions: 1 x 1 U, 1 x 3 U, 1 x 6 U;
640/25.20	430/16.93	490/19.29	ELC6.1.544.A.x	ELC6.1.544.B.x	ELC6.1.544.C.x	ELC6.1.544.D.x
640/25.20	330/12.99	490/19.29	ELC6.1.534.A.x	ELC6.1.534.B.x	ELC6.1.534.C.x	ELC6.1.534.D.x
790/31.10	430/16.93	490/19.29	ELC6.1.744.A.x	ELC6.1.744.B.x	ELC6.1.744.C.x	ELC6.1.744.D.x
790/31.10	430/16.93	690/27.17	ELC6.1.746.A.x	ELC6.1.746.B.x	ELC6.1.746.C.x	ELC6.1.746.D.x
790/31.10	330/12.99	490/19.29	ELC6.1.734.A.x	ELC6.1.734.B.x	ELC6.1.734.C.x	ELC6.1.734.D.x
790/31.10	330/12.99	690/ 27.17	ELC6.1.736.A.x	ELC6.1.736.B.x	ELC6.1.736.C.x	ELC6.1.736.D.x

Note:
Container height: 612 mm (incl. rollers);
Drawer division indicated in U.

1 U = 50 mm, top drawer with extra deep insert for writing utensils as standard!

Options	
Full-extension drawer runner for drawer useful depth 490 mm	ELC6.9.1
Full-extension drawer for drawer depth 690 mm	ELC6.9.2
Touch-to-open instead of Smart-Close	ELC6.9.3
Electronic central locking	ELC6.9.4

Suspended containers

The main advantages
- Smart-Close technology
- Can be converted into a rolling container
- Improved material tray
- Can be mounted anywhere on the frame

Please replace the "x" in the order number with the desired container decor.

Decor 1 *Non-conductive decor*
Fronts: Front white
Body: Graphite black
Decor 2 *Non-conductive decor*
Fronts: Front white
Body: Front white
Decor 3 *ESD version*
Fronts: Front white
Body: Front white
Castors: ESD version

Suspended container ELC.6.2.746.C.1, standard with bow handles, black.

Suspended container						
Depths mm/"	Widths mm/"	Usable depth mm/"	Version A Divisions: 1 x 1 U, 3 x 3 U;	Version B Divisions: 1 x 1 U, 1 x 2 U, 1 x 3 U, 1 x 4 U;	Version C Divisions: 1 x 1 U, 3 x 2 U, 1 x 3 U;	Version D Divisions: 1 x 1 U, 1 x 3 U, 1 x 6 U;
640/25.20	430/16.93	490/19.29	ELC6.2.544.A.x	ELC6.2.544.B.x	ELC6.2.544.C.x	ELC6.2.544.D.x
640/25.20	330/12.99	490/19.29	ELC6.2.534.A.x	ELC6.2.534.B.x	ELC6.2.534.C.x	ELC6.2.534.D.x
790/31.10	430/16.93	490/19.29	ELC6.2.744.A.x	ELC6.2.744.B.x	ELC6.2.744.C.x	ELC6.2.744.D.x
790/31.10	430/16.93	690/27.17	ELC6.2.746.A.x	ELC6.2.746.B.x	ELC6.2.746.C.x	ELC6.2.746.D.x
790/31.10	330/12.99	490/19.29	ELC6.2.734.A.x	ELC6.2.734.B.x	ELC6.2.734.C.x	ELC6.2.734.D.x
790/31.10	330/12.99	690/ 27.17	ELC6.2.736.A.x	ELC6.2.736.B.x	ELC6.2.736.C.x	ELC6.2.736.D.x

Note:
Container height 527 mm
drawer division specified in U.

1 U = 50 mm, top drawer with extra deep insert for writing utensils as standard!

Options	
Full-extension drawer runner for drawer useful depth 490 mm	ELC6.9.1
Full-extension drawer for drawer depth 690 mm	ELC6.9.2
Touch-to-open instead of Smart-Close	ELC6.9.3
Electronic central locking	ELC6.9.4

Pedestal

Floor-standing container ELC.6.3.746.C.1, standard with bow handles, black.

The main advantages
- Smart-Close technology
- Can be converted into a rolling container
- Improved material tray
- Can be mounted anywhere on the frame

Please replace the "x" in the order number with the desired container decor.

Decor 1 *Non-conductive decor*
Fronts: Front white
Body: Graphite black

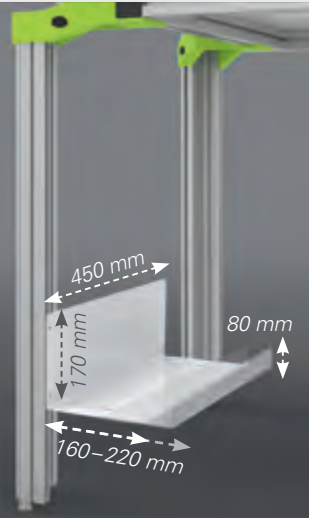**Decor 2** *Non-conductive decor*
Fronts: Front white
Body: Front white

Decor 3 *ESD version*
Fronts: Front white
Body: Front white
Castors: ESD version

Pedestal						
Depths mm/"	**Widths mm/"**	**Usable depth mm/"**	**Version A Divisions: 1 x 1 U, 3 x 3 U;**	**Version B Divisions: 1 x 1 U, 1 x 2 U, 1 x 3 U, 1 x 4 U;**	**Version C Divisions: 1 x 1 U, 3 x 2 U, 1 x 3 U;**	**Version D Divisions: 1 x 1 U, 1 x 3 U, 1 x 6 U;**
640/25.20	430/16.93	490/19.29	ELC6.3.544.A.x	ELC6.3.544.B.x	ELC6.3.544.C.x	ELC6.3.544.D.x
640/25.20	330/12.99	490/19.29	ELC6.3.534.A.x	ELC6.3.534.B.x	ELC6.3.534.C.x	ELC6.3.534.D.x
790/31.10	430/16.93	490/19.29	ELC6.3.744.A.x	ELC6.3.744.B.x	ELC6.3.744.C.x	ELC6.3.744.D.x
790/31.10	430/16.93	690/27.17	ELC6.3.746.A.x	ELC6.3.746.B.x	ELC6.3.746.C.x	ELC6.3.746.D.x
790/31.10	330/12.99	490/19.29	ELC6.3.734.A.x	ELC6.3.734.B.x	ELC6.3.734.C.x	ELC6.3.734.D.x
790/31.10	330/12.99	690/ 27.17	ELC6.3.736.A.x	ELC6.3.736.B.x	ELC6.3.736.C.x	ELC6.3.736.D.x

Note:
Container height 647 mm
drawer division specified in U.

1 U = 50 mm, top drawer with
extra deep insert for writing utensils
as standard!

Options	
Full-extension drawer runner for drawer useful depth 490 mm	ELC6.9.1
Full-extension drawer for drawer depth 690 mm	ELC6.9.2
Touch-to-open instead of Smart-Close	ELC6.9.3
Electronic central locking	ELC6.9.4

19 inch container und PC integration

Detailed view: Mini PC mount including tension strap. Mounting on the 40/40 profile of the table frame.

PC mounts 1
Variable width, can be mounted on the left or right side of the foot profile
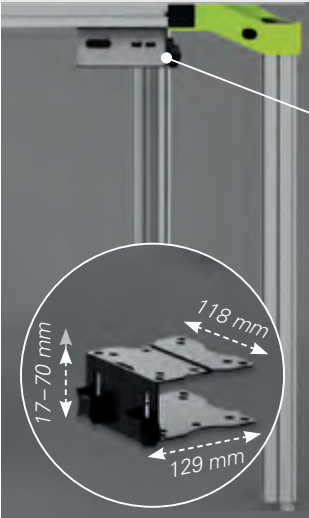
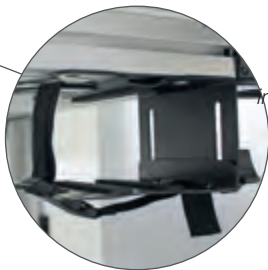**Order no.** ELC6.6.257

Mini PC mounts 2
Variable width/height, Can be mounted on the left or right side of the 40/40 profile, Load capacity up to 10 kg

Order no. ELC6.6.257.2

Mini PC mounts 3
Height adjustable, can be mounted on the left or right front of the 40/40 profile, load capacity up to 5 kg, including tensioning strap

Order no. ELC6.6.257.3

Please replace the "x" in the order number with the desired container decor.

Decor 1 *Non-conductive decor*
Fronts: Front white
Body: Graphite black

Decor 2 *Non-conductive decor*
Fronts: Front white
Body: Front white

Decor 3 *ESD version*
Fronts: Front white
Body: Front white
Castors: ESD version

19-inch container (13 U)		
depth	**width**	**Order no.**
620 mm / 24.41"	525 mm / 20.67"	ELC6.4.550.A.x
770 mm / 30.31"	525 mm / 20.67"	ELC6.4.750.A.x
Options 19-inch floor-standing container (H: 647 mm)		
Closed front door including lock and handle		ELC6.9.5
Glass door including lock and handle		ELC6.9.6

PC standing container		
depth mm/"	**width mm/"**	**Order no.**
620 / 24.41	270 / 10.63	ELC6.5.520.A.x
770 / 30.31	270 / 10.63	ELC6.5.720.A.x
Options PC pedestal cabinets (H: 647 mm)		
Front door incl. lock		ELC6.9.7
Glass door with lock		ELC6.9.8

Drawer equipment

erfi

Order example with
Order no. ELC6.8.403

Form filing sets
Adjustable in angle; black plastic;
for clean filing of DIN A4 pages;

Hanger frame
Steel nickel-plated, plastic black; for hanging
of DIN A4 suspension files and folders;
• Drawer front height 6 U
• Including dividers
(1 for useful depth 490 mm, 2 for useful depth 690 mm)

Stamp holder
Steel powder coated
black; for 8 stamps and
date stamps;
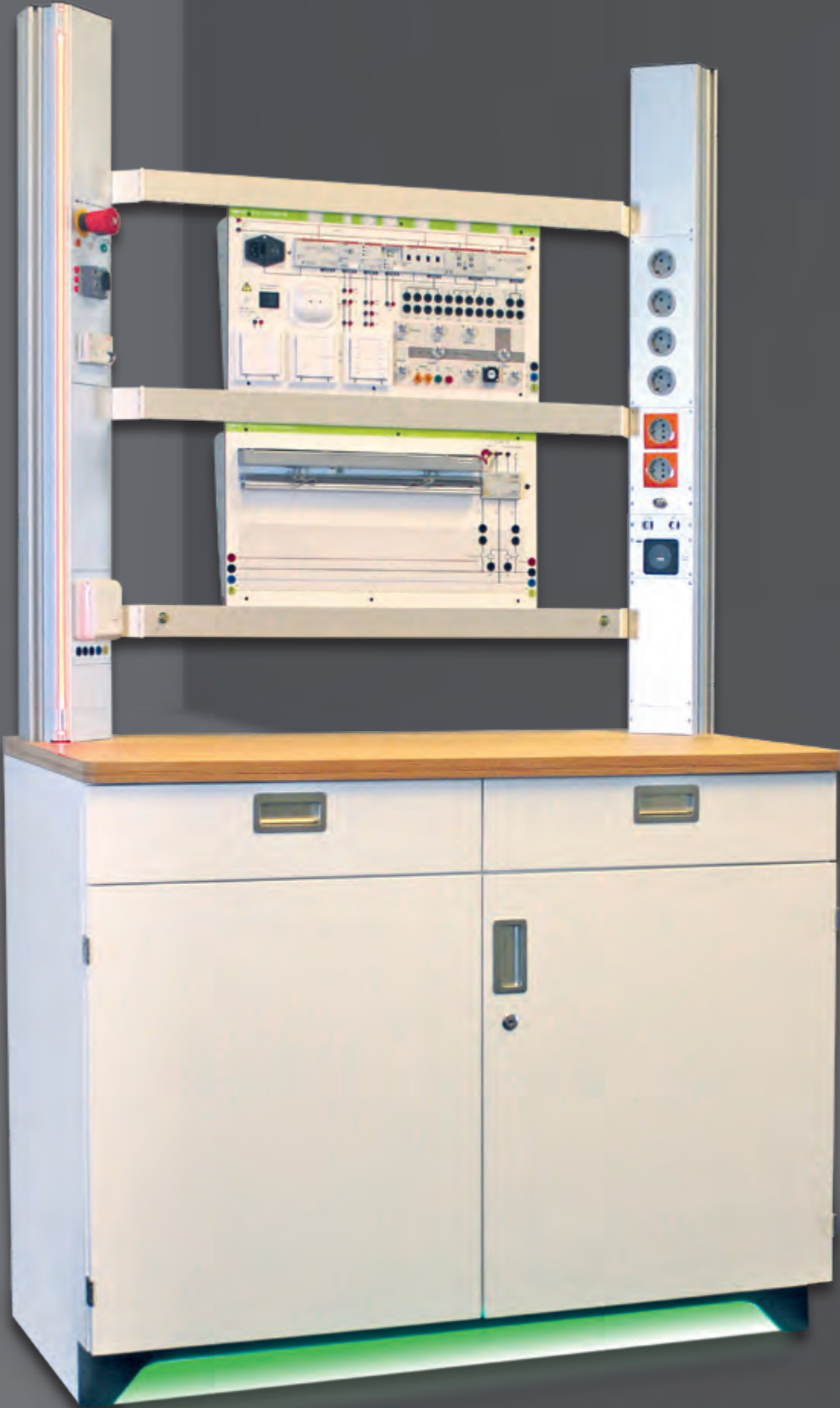
Flexible material tray
Plastic black; for to be placed
in steel drawer;

Drawer inserts
Plastic drawer inserts are used for the orderly storage of small
parts and tools. Suitable for the drawer useful depth 490 mm,
there are 6 inserts and 1 supplementary insert for the drawer
useful depth 690 mm.

Form filing records		
Equipment	**Size**	**Order no.**
Form filing set 6-fold consisting of: • 6 form trays • 4 dividers	for drawers with useful width 327 mm, useful depths 490 or 690 mm and container width 430 mm	ELC6.8.301
Form filing set 11-fold consisting of: • 11 form trays • 8 drawer dividers	for drawers with useful width 327 mm, useful depth 690 mm and container width 430 mm	ELC6.8.302

Plug-in hanging frame			Flexible Materialschale/Stempelhalter	
Sizze	**Depths**	**Order no.**	**Sizze**	**Order no.**
for useful width 327 mm and container width 430 mm	490 mm	ELC6.8.305	327 x 110 x 30 mm and container width 430 mm	ELC6.8.309
	690 mm	ELC6.8.306		ELC6.8.307

Dividers	**Type**	**Equipment**	**Size**	**Order no.**
	Separator double-walled with lateral catches for firm locking in the side wall	Steel powder coated black	327 x 10 x 76 mm	ELC6.8.102
		Plastic black	327 x 10 x 76 mm	ELC6.8.103
	Compartment divider	Steel powder coated black	A4: 310 x 1 x 72 mm	ELC6.8.104
			A5: 220 x 1 x 72 mm	ELC6.8.105
			A6: 150 x 1 x 72 mm	ELC6.8.106
			A7: 110 x 1 x 72 mm	ELC6.8.107
	Cardboard bridge (2 pieces required) with lateral catches for locking in the side wall	Steel powder coated black	327 x 65 x 78 mm	ELC6.8.202
	Pendulum plate for insertion into 2 cardboard boxes	Steel powder coated black	A4 quer: 317 x 1 x 210 mm	ELC6.8.203
			A5 quer: 227 x 1 x 148 mm	ELC6.8.204
			A6 quer: 167 x 1 x 105 mm	ELC6.8.205

Schubladeneinsätze	Ausstattung	Containerbreite	Größe	Best.-Nr.
	Schubladeneinsatz • mit 3 Fächern • für Werkzeug	430 mm / 16.93"	327 x 490 x 40 mm / 12.87"x 19.29" x 1.57"	ELC6.8.401
	Schubladeneinsatz • mit 6 Fächern • für Werkzeug	430 mm / 16.93"	327 x 490 x 40 mm / 12.87"x 19.29" x 1.57"	ELC6.8.403
	Schubladeneinsatz • 2-teilig • mit insg. 25 Fächern • für Kleinteile	430 mm / 16.93"	327 x 490 x 40 mm / 12.87"x 19.29" x 1.57"	ELC6.8.406
	Ergänzungseinsatz für Schubladennutztiefe 690 mm • mit 3 Fächern	430 mm / 16.93"	327 x 200 x 40 mm / 12.87"x 7,87" x 1.57"	ELC6.8.407

erfi

elneos® Didactic
enjoy learning

Room control software highlink® Power

The company's own software package *highlink Power* has been on the market since 1990 and over 3,000 licenses have been sold since then. The software is constantly being further developed and a special feature is the visualization of erfi device functions and the status of the laboratory benches and rooms. The *highlink Power* software package is a modern tool that is used in both education and industry.
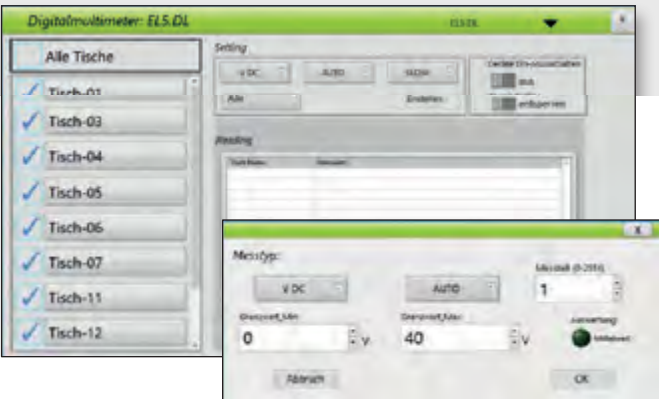

Fig. above: Status display of each table including measured value displays. Fig. middle right: Table configuration Fig. bottom right: Status display of the

Control and adjust the digital multi-meters on various laboratory benches.

Visualization of the laboratories
Thanks to the powerful software package, your laboratory rooms can be visualized within a very short time (see main screen image) and you can record all laboratory conditions at a glance. The experienced room plan manager allows you to freely select rooms for more extensive objects. If required, this package also allows you to access rooms in other buildings.

Interfaces
- The software works web-based, alternatively locally.
- Useful interfaces can be created to the *CANDY Power* and *Assembly Workflow Management (AWM)* software packages.
- MQTT interface
- OPC UA

highlink® Power Room and device display
- Representation of a photorealistic 3D room layout
- Background freely selectable through fade-in graphics
- Photorealistic device display
- Freely programmable graphic room layout, enabling immediate status recording of all laboratory benches
- Multi-level color concept

highlink® Power Laboratory Room Manager
Individual room plans can be selected and controlled remotely for extensive building facilities thanks to the networking. All necessary functions of the respective room can be set from the central workstation control (teacher / laboratory manager).
- Free room configuration with regard to name, number of tables, IP assignment and the devices defined for each table
- Comprehensive assignment of user rights per table and device
- Remote control of all device groups and functions
- Password management for individual access rights
- Table group formation
- State-of-the-art network technology (LAN, WLAN, ...)
- Control and release of individual function groups:
  – General release
  – 50 V / 230 V / 400 V / PC mains and much more.
  – Retractable and swivel tables
- Visualization of all states:
  – Release granted or not granted
  – 50 V / 230 V / 400 V release / PC network and much more.
  – Position of the lowering and swivel tables
  – Emergency stop function
- Individual control of the individual workstations from the trainer and laboratory manager workstation

highlink® Power Fault Manager
- Recognize faults / avoid operating errors

highlink® Power data management
- Dashboard
- Professional measurement data logging with integrated reporting generator
- Measurement data display in SQL database
- Recording and playback function of the measurement curves
- Simulation of expected measurement curves (target/actual)
- Limitation of setting ranges for individual workstations
- Visualization and transfer of individual screen contents to any number of workstations
- Automated test sequences for sequential test steps

highlink® Power in training
- Any number of test sequences / parameterizations can be saved / retrieved per student station (laboratory station configurator)
- Student-related assessment for individual experiments
- Optimum lesson planning thanks to time-controlled parameterization of all functions (immediate start of lessons / optimum use of time)
- Increased learning quality
- Outstanding didactic teaching qualities
- Digital work tasks
- Manual and automated measuring sequences
- Indication of work instructions
- Programming of experiments
- Logging of test data and results
- Flow table

highlink® Power and erfi Didactic
Holistic concept through elegant integration of the erfi teaching aid systems from the *erfi Didactic* program and the teaching aids from *Festo Didactic SE*.
- Automation technology with *Logo!* and *S7*
- Building automation
- User administration
- Ipad integration/touch panel PC
- Test systems and statistics, and much more.

highlink® Power test timer
The test timer allows you to define a clear time limit for a test situation. A freely editable timer and an assignable device function or voltage disconnection enable a clear time limit. The timer counts down visibly as a countdown. Once the test time has elapsed, the system automatically switches off the laboratory benches with the selected voltage levels or deactivates the device functions and blocks access to them.

Room control software highlink® Power
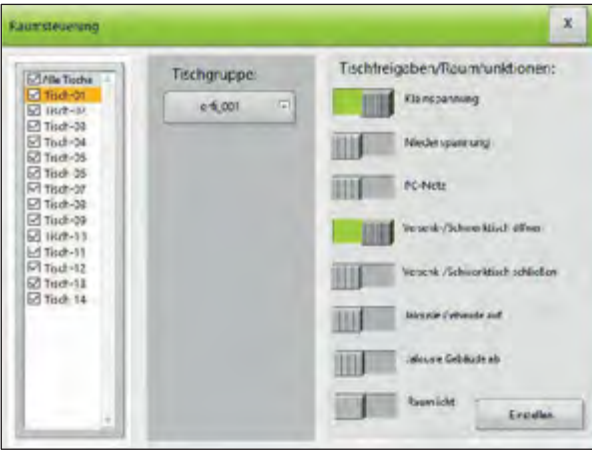
Room control by means of targeted release of individual laboratory tables.

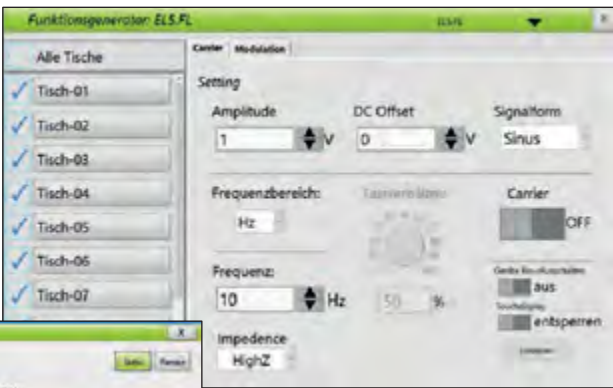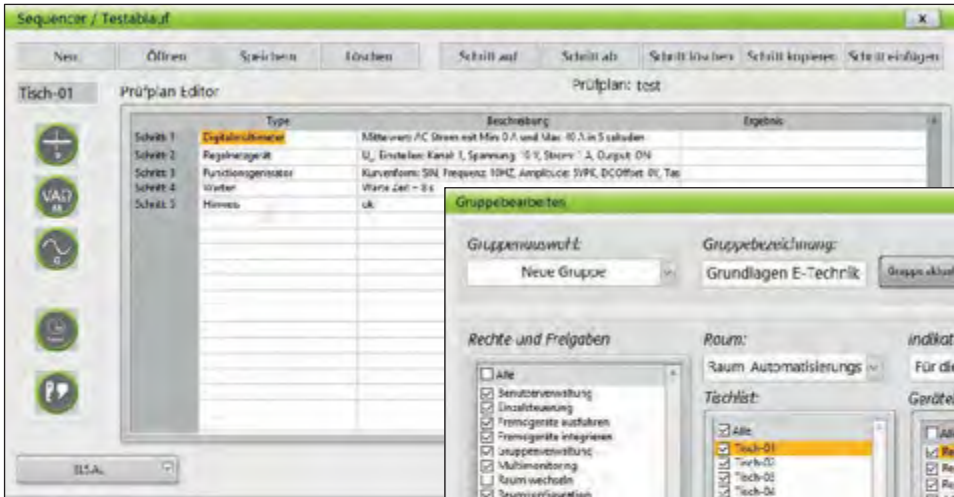*Example of a DC source: power supply unit with voltage and current limiting (U_{max} and I_{max}) and automatic data storage.*
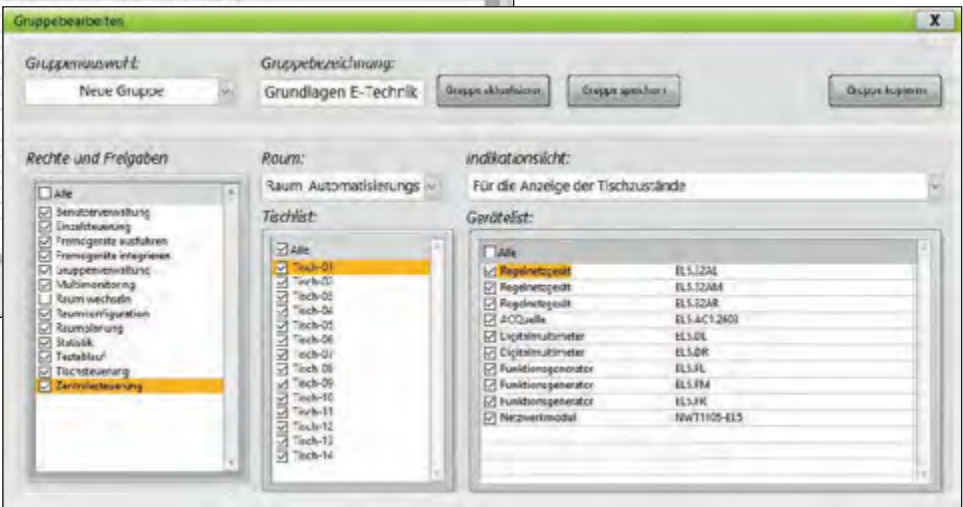
Example: fully automated test sequence with setting of the test sequence using the sequencer function.

Simultaneous detailed adjustment of the radio generators on all laboratory benches.

Simultaneous detailed adjustment of the control power supplies on all laboratory benches.

Timer function

Example: Rights and group definition per user and per table.

Integration and control of modern teaching aids: detailed experiment instructions with teacher and student handouts are included with the teaching aids.

Activation and control
In addition to the usual 230 V and 400 V power supply, modern laboratory benches have modern DC power supplies (low voltages) and measuring devices with intelligent functions. These individual device and function groups can be elegantly controlled. The up/down movement of the lowering and swivel tables also be conveniently controlled from the teacher's desk at the touch of a button. At the same time, the status of the individual laboratory benches is visualized.

High level of protection thanks to programmable limits *highlink Power* guarantees that your hardware is protected at all times. The possibility of limiting the individual device parameters, such as the current limit, ensures that the connected measuring hardware or electronics not damaged. Lengthy repairs caused by incorrect operation are therefore ruled out.

No setting times before the start of the experiment Start your lesson immediately and without losing any time. As part of the lesson planning, the individual device parameters can be preset for each student workstation and student and linked to a clear annual timetable.
link. When the point in time is reached, all locations included in the planning are automatically set to the desired configuration. Retractable tables, for example, automatically move to the desired position and the power supplies are configured to the corresponding maximum currents for the test.
highlink Power makes it very easy to program student workstations individually, thus increasing productivity in the classroom.

Integration of the world of teaching materials - erfi Didactic *erfi Didactic* is a separate brand of the erfi company and comprises a modern range of teaching materials for automation technology, drive technology, building automation, fault simulators, motor simulators, installation technology and much more.
Many erfi teaching devices already have an interface and thus offer the possibility of intelligently integrating the devices into the lesson design using *highlink Power*.
In addition to the familiar e-learning, the student is provided with a modern tool. The individual experiments are stored in the software and can be elegantly processed via the interface-compatible devices. The instructions for the experiments are visualized and the student is guided didactically.

Room control software highlink® Power

The integration of third-party devices is supported by the visualization of the corresponding device during device selection.


Examples: Graphical and tabular display of measured values. The measurement data is visualized in a table and simultaneously in a graphic during the measurement process. An HTML report for an Internet browser is created via a command.

Visualization of third-party devices

highlink Power supports the integration of third-party devices. The appropriate functions are integrated depending on the device function and customer requirements.

Reporting generator / dashboarding / data management

highlink Power enables various simulations to be carried out before the start of the test. Expected stress curves can be displayed graphically and later compared with the actual curve.
Measurement data acquisition and documentation are automated and the data is stored in a professional SQL database.
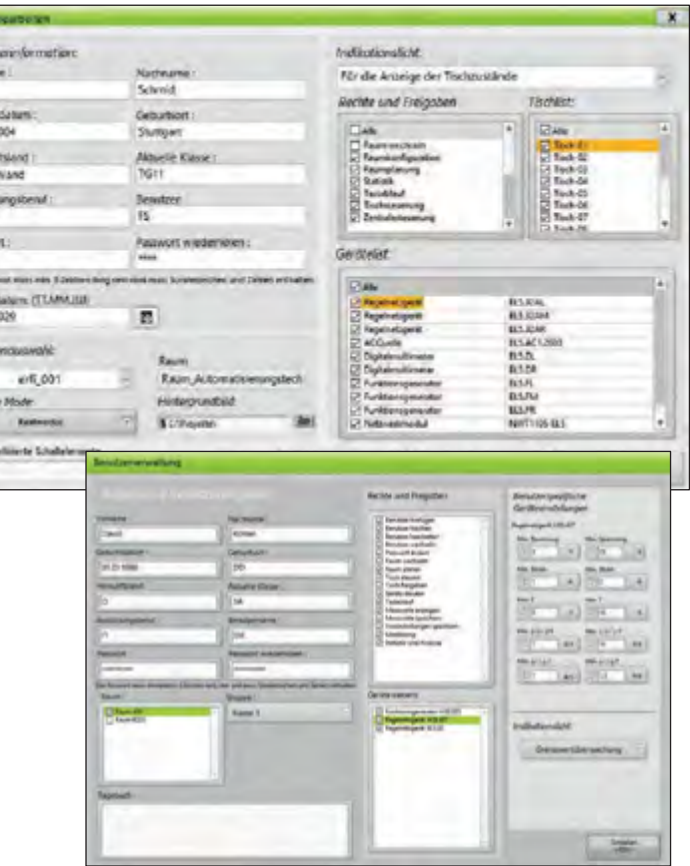
Secure password management

A defined administration level allows user rights to be set individually for each teacher and student. In addition to the individual access control to the experiments, the program modules device control, lesson planning, measured value analysis and documentation as well as password management are also controlled individually, for example.

This ensures that default settings are not changed unintentionally. The erfi software development team's many years of experience pay off here and guarantee safe and trouble-free teaching.

Experimental network with highlink® Power erfi network technology consistently uses the latest Ethernet technology. Each laboratory workstation is equipped with intelligent Ethernet-capable devices that can be integrated either in an independent experimental network or in the existing in-house network. The network is planned according to the customer's wishes and requirements. Through cooperation with well-known solution providers in In the field of communication and data networks, erfi has extensive experience network technology. A distinction is made between a stand-alone network and integration into an existing network.
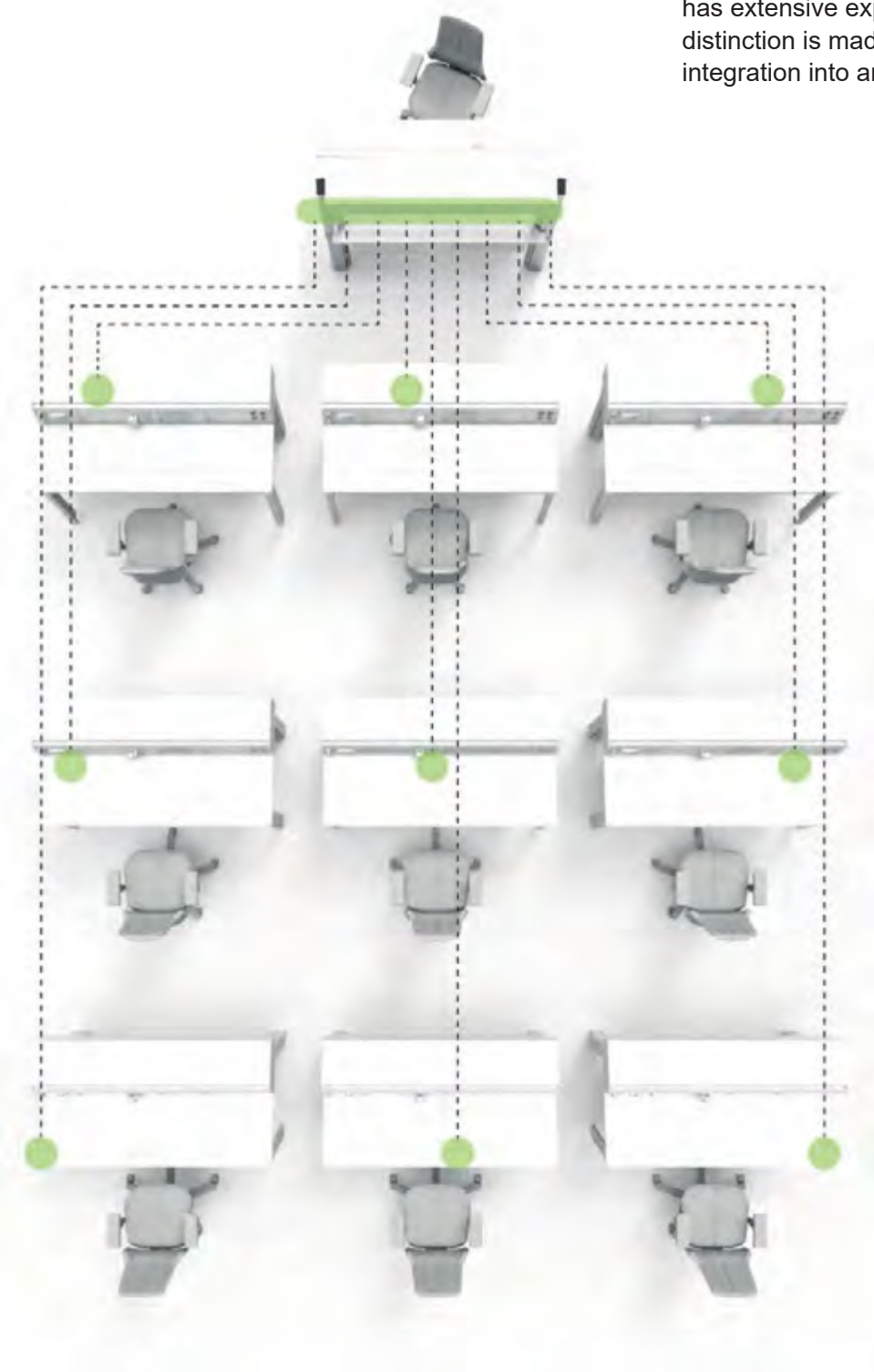
Independent network
This solution is physically separated from the rest of the network. Each PC is equipped with a second Ethernet connection (second network card). This ensures that there is no interference within the in-house network. The teacher and students access the network via the 2nd network card. One switch is sufficient to network the room. Depending on the customer's requirements, the switch is either included in erfi's planning or provided by the customer.

Integration into an existing network This solution is used when the PCs are not connected to a second network connection.
can be equipped with a connection. A virtual network is set up for this purpose. A VLAN switch is required for this solution. Depending on the customer's requirements, the VLAN switch is either included in the planning by erfi or provided by the customer.

Fig. left: Example of an independent experimental network.

Room control software highlink® Power

highlink® Power - Training **Trainer Package**
- For central control of 1 instructor workstation and all student workstations.
- SQL database for all measurement data and other personalized settings.
- Interface to *CANDY Power* testing software for test planning, test sequence and statistics.
  - Interface to *AWM* production software (Assembly Workflow Management).
- Complete package for room and appliance control.
- For PC, tablet and smartphone applications.
- Platform-independent.
- Multilingualism.

highlink® Power Didactic trainer package
Local software license for the teacher per room
Order no.: HPD2.100

highlink® Power Didactic Web-Trainerpackage
Web-based software license for the teacher per room
(browser-based)   **Order no.:** HPDW2.100

Pupil or student package
- For remote device control at the student's workstation. The student himself can access and control the devices assigned to him via his end device.
- SQL database for all measurement data and other personalized settings.
- The teacher must give permission for use and can intervene and monitor at the same time.
- Interface to *CANDY Power* testing software for test sequences.
- Interface to *AWM* production software (Assembly Workflow Management).
- For PC, tablet and smartphone applications.
- Platform-independent.
- Multilingualism.

highlink® Power Didactic student package
Local software license for all users per room
Order no.: HPD2.101

highlink® Power Didactic Web-Studentpackage
Web-based software license for all users per room
Order no.: HPDW2.101

highlink® Power - Industry **Masterpackage**
- For central control of all laboratory workstations.
- SQL database for all measurement data and other personalized settings.
- Interface to *CANDY Power* testing software for test planning, test sequence and statistics.
  - Interface to *AWM* production software (Assembly Workflow Management).
- Complete package for room and appliance control.
- For PC, tablet and smartphone applications.
- Platform-independent.
- Multilingualism.

highlink® Power Industry-Masterpackage
Local software license for lab managers per room
Order no.: HPI2.100

highlink® Power Industry Web-Masterpackage
Web-based software license for laboratory managers per room
(browser-based)   **Order no.:** HPIW2.100

Single user license
- For remote device control at the laboratory workstation. The employee himself can access and control the devices assigned to him via his end device.
- SQL database for all measurement data and other personalized settings.
- The laboratory manager must give approval for use and can intervene in parallel and provide support from his or her workplace.
- Interface to *CANDY Power* testing software for test sequences.
- Interface to *AWM* production software (Assembly Workflow Management).
- For PC, tablet and smartphone applications.
- Platform-independent.
- Multilingualism.

highlink® Power Industry single user license
Local software license for all users per room
Order no.: HPI2.101

highlink® Power Industry Web single user license
Web-based software license for all users per room
Order no.: HPIW2.101

Software for device control and standalones
Device control highlink® elneos® basic
With this software package, all functions of the *elneos six* device series can be controlled remotely.
- Remote device control software for single and multiple devices (limited to 3 *elneos six* devices)
- Ideal for standalone devices
- for PC, tablet and smartphone use
- Program is provided as .EXE
Order no.: HPE1.200

Device control highlink® elneos® pro
With this software package, all functions of the *elneos six* device series can be controlled remotely. The package is particularly suitable for complete laboratories where only the devices and not the laboratory benches are to be remote-controlled.
- Remote device control software for single and multiple devices (without limiting the number of devices)
- Ideal for standalone devices and laboratories
- for PC, tablet and smartphone use
- Program is provided as .EXE
Order no.: HPE1.201

Useful extensions highlink® Power
Festo® Didactic
For the first time, didactic concepts and teaching materials from leading teaching materials manufacturer *Festo Didactic* can be integrated into the new *highlink Power* software. The package enables direct access to the relevant *Festo Didactic* applications via the *highlink Power* room control software.

This optional supplement is integrated into the student and teacher version and opens up access to the didactic world of *Festo Didactic*.
An open interface for integration into the software is included. The student thus learns in a playful way how to switch between the world of measurement technology devices and the didactic environment.

Festo Didactic applications can be integrated into *highlink Power*:
- simulation software ®
- *FluidSIM*®®
- *Robotino SIM, Robotino® View*
- *EasyVeep, Festo LX* digital learning portal
Order no.: HPFESTO1.100

App applications for smartphone and tablet **APP**
highlink® Power Android
The applications do not require a server connection and are self-sufficient. The APPs developed by erfi for your smartphone / tablet can be downloaded from the respective APP store. Independent of a web-based server platform, the application runs exclusively on Android tablets and smartphones.
- APP remote device control for Android operating system
- Download in the PLAY-Store.
Order no.: HPANDROID1.200

APP highlink® Power IOS
Independent of a web-based server platform, the application runs exclusively on IOS
Tablets / OS smartphones.
- APP remote device control for IOS operating system
- Download in the Apple Store.
Order no.: HPIOS1.200

erfi network technology
24-way switch for integration into the 19-inch superstructure or 19-inch cockpit (networking of workstations)
Order no. NWT1.100

8-way switch for integration into the 19-inch superstructure or 19-inch cockpit (networking of devices per space)
Order no.: NWT1.101

erfi network module (controller) for controlling and monitoring the individual table functions. (low and low voltage, PC network, up/down movement of swivel tables, etc.) 8 digital I/Os with Ethernet interface can be controlled.
Order no.: NWT1.104

System integration consisting of all contactors and relays for group / device releases required for radio functionality.   **Order no.:** NWT1.110

System integration elneos® six
Factory-installed and plug-in wiring between the control center and the respective device installed in a TechCube (AC / DC source, DMM, FKG).   **Order no.** EL6.SYS1

Schrank

| 1 offen | 2 zu | 3 zu | 4 zu | 5 offen | 6 offen |

Cubix-01 Kleinspg. 230V/400V

Cubix-02 Kleinspg. 230V/400V

Cubix-03 Kleinspg. 230V/400V

Cubix-04 Kleinspg. 230V/400V

Cubix-05 Kleinspg. 230V/400V

Cubix-06 Kleinspg. 230V/400V

Tisch-13 Kleinspg. 230V/400V

Tisch-14 Kleinspg. 230V/400V

Tisch-15 Kleinspg. 230V/400V

Tisch-16 Kleinspg. 230V/400V

Tisch-05 Kleinspg. 230V/400V

Tisch-06 Kleinspg. 230V/400V

Tisch-07 Kleinspg. 230V/400V

Tisch-08 Kleinspg. 230V/400V

Tisch-09 Kleinspg. 230V/400V

Tisch-10 Kleinspg. 230V/400V

Tisch-11 Kleinspg. 230V/400V

Tisch-12 Kleinspg. 230V/400V

Sideboard 2 zu

Tisch-01 Kleinspg. 230V/400V

Tisch-02 Kleinspg. 230V/400V

Tisch-03 Kleinspg. 230V/400V

Tisch-04 Kleinspg. 230V/400V

Sideboard 1 offen

highlink® Power in laboratory

The quality of the 3D room representation enables a clear status display of the entire laboratory. The user can switch between different room views and levels of detail.

Tables with integrated swivel superstructures

Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4

Device system basic

elneos six device system

③

②

①

④

Dynamic current detection
(Security function)

Option:
Hanging container for tools
(any mounting position).

Figure 1:
Laboratory bench equipped with
19-inch / 3 U swivel structure
(structure depth 2 = large structure
depth)
with the elneos six and basic
device systems.
Worktop Multiplex.

Figure 2:
Laboratory bench with 19-inch / 3 U swivel structure (structure
depth 1 = low structure depth) when extended.
Worktop ergo-line (laser edge). Table with
electronic height adjustment.

Dynamic current detection
(Security function)

⑤

Worktops:

alu-line (laser edge)

ergo-line (laser edge)

Multiplex

Figure 3:
Laboratory bench with 19-inch / 3 U swivel structure when retracted. The
devices disappear completely into the working plane.
The front of the device is fully encapsulated for all-round protection.
Worktop alu-line (laser edge).

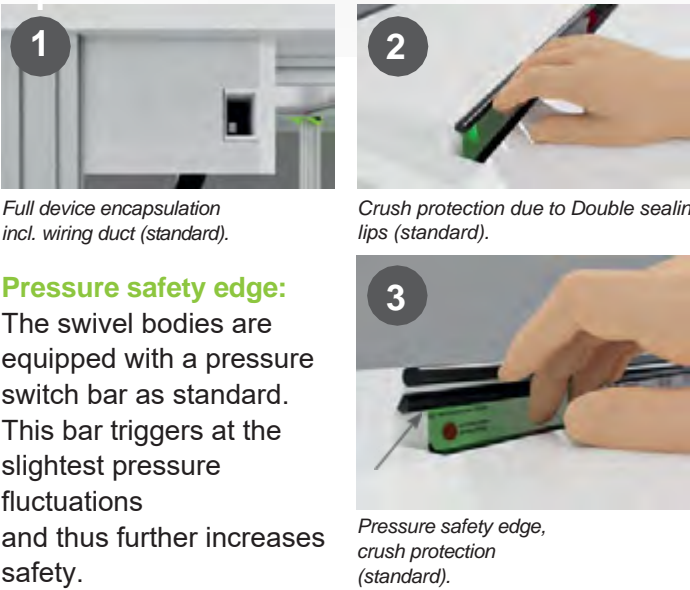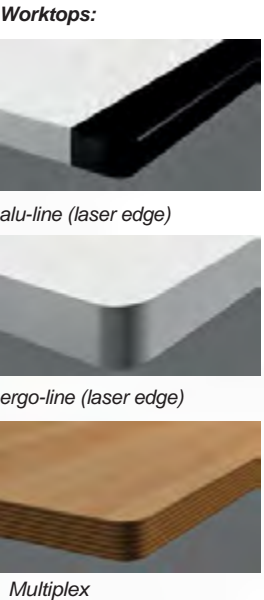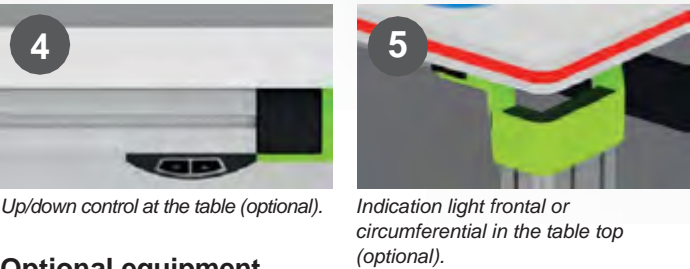Technical product description:

Laboratory bench with 19-inch / 3 U swivel structure

Electromotive swivel assembly: The swivel assembly can be individually combined with the standardized 19-inch device series *elneos six,*
elneos five and *basic*. Depending on the appliance equipment and power, 2 construction depths are available.
A microprocessor-controlled drive swivels the superstructure into position almost silently. A double sealing lip and dynamic current detection (security function) guarantee maximum safety. The security function monitors the continuous current consumption. In the event of overcurrent, the thrust is immediately reversed during the downward movement and stopped immediately during the upward movement.
Thanks to an integrated microprocessor unit with interface, the swivel superstructures are

can be controlled individually and can be networked. Central control (individual, group and overall control) from the trainer's workstation is possible.
with the erfi network module NWT1.104 and the room control software *highlink Power*.

① Full device encapsulation incl. wiring duct (standard).

② Crush protection due to Double sealing lips (standard).

Pressure safety edge:
The swivel bodies are equipped with a pressure switch bar as standard. This bar triggers at the slightest pressure fluctuations and thus further increases safety.

③ Pressure safety edge, crush protection (standard).

Additional equipment
erfi network module:
Necessary module for remote-controlled laboratories with *highlink Power* room control software. Microcontroller system for remote control
Order no.: NWT1.104

④ Up/down control at the table (optional).

⑤ Indication light frontal or circumferential in the table top (optional).

Optional equipment
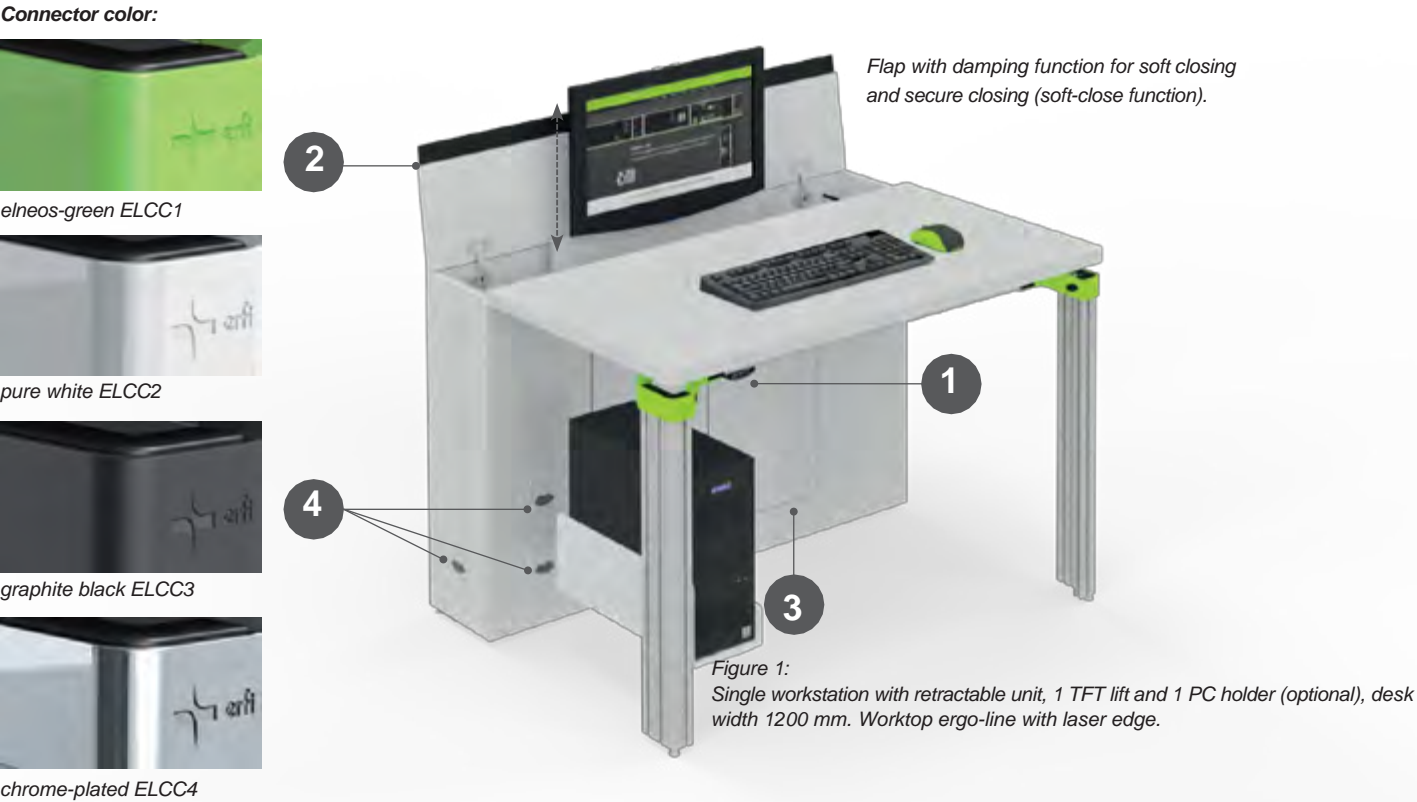**Up/down button:** For student desks to independently swivel the channel up and down.
Order no.: ELC1.5.ABT

Indication light: Integrated in the tabletop, de-Neither frontal nor circumferential. It shows the stress levels in different colors and safety at the workplace, see page 108.

Laboratory bench with integrated 19-inch / 3 U swivel structure								
	Installation depth 1 = low installation depth				Installation depth 2 = large installation depth			
length	depth	ergo-line	alu-line	multiplex	depth	ergo-line	alu-line	multiplex
1.200 mm 47.24"	850 mm 33.46"	ELC1.5.1281.1	ELC1.5.1283.1	ELC1.5.1288.1	1.000 mm 39.37"	ELC1.5.1211.2	ELC1.5.1213.2	ELC1.5.1218.2
	1.000 mm 39.37"	ELC1.5.1211.1	ELC1.5.1213.1	ELC1.5.1218.1	1.150 mm 45.28"	ELC1.5.1221.2	ELC1.5.1223.2	ELC1.5.1228.2
1.600 mm 62.99"	850 mm 33.46"	ELC1.5.1681.1	ELC1.5.1683.1	ELC1.5.1688.1	1.000 mm 39.37"	ELC1.5.1611.2	ELC1.5.1613.2	ELC1.5.1618.2
	1.000 mm 39.37"	ELC1.5.1611.1	ELC1.5.1613.1	ELC1.5.1618.1	1.150 mm 45.28"	ELC1.5.1621.2	ELC1.5.1623.2	ELC1.5.1628.2
1.800 mm 70.87"	850 mm 33.46"	ELC1.5.1881.1	ELC1.5.1883.1	ELC1.5.1888.1	1.000 mm 39.37"	ELC1.5.1811.2	ELC1.5.1813.2	ELC1.5.1818.2
	1.000 mm 39.37"	ELC1.5.1811.1	ELC1.5.1813.1	ELC1.5.1818.1	1.150 mm 45.28"	ELC1.5.1821.2	ELC1.5.1823.2	ELC1.5.1828.2
2.000 mm 78.74"	850 mm 33.46"	ELC1.5.2081.1	ELC1.5.2083.1	ELC1.5.2088.1	1.000 mm 39.37"	ELC1.5.2011.2	ELC1.5.2013.2	ELC1.5.2018.2
	1.000 mm / 39.37"	ELC1.5.2011.1	ELC1.5.2013.1	ELC1.5.2018.1	1.150 mm 45.28"	ELC1.5.2021.2	ELC1.5.2023.2	ELC1.5.2028.2

Note on the highlink Power room control software: Order no.: HPD2.100.
For technical description, see page 178 and following.

ESD version on request!

Tables with integrated TFT retractable units

Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4

Flap with damping function for soft closing and secure closing (soft-close function).

Figure 1:
Single workstation with retractable unit, 1 TFT lift and 1 PC holder (optional), desk width 1200 mm. Worktop ergo-line with laser edge.

Figure 2:
Double workstation with TFT lowering unit and 2 TFT lifts, from table width 1600 mm. Worktop ergo-line with laser edge.

Worktops:

alu-line (laser edge)

ergo-line (laser edge)

Figure 3:
Can be used as a theory table retracted.
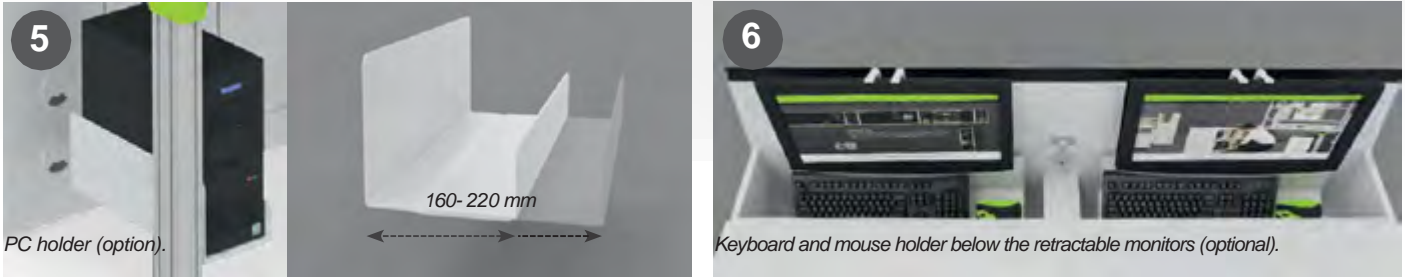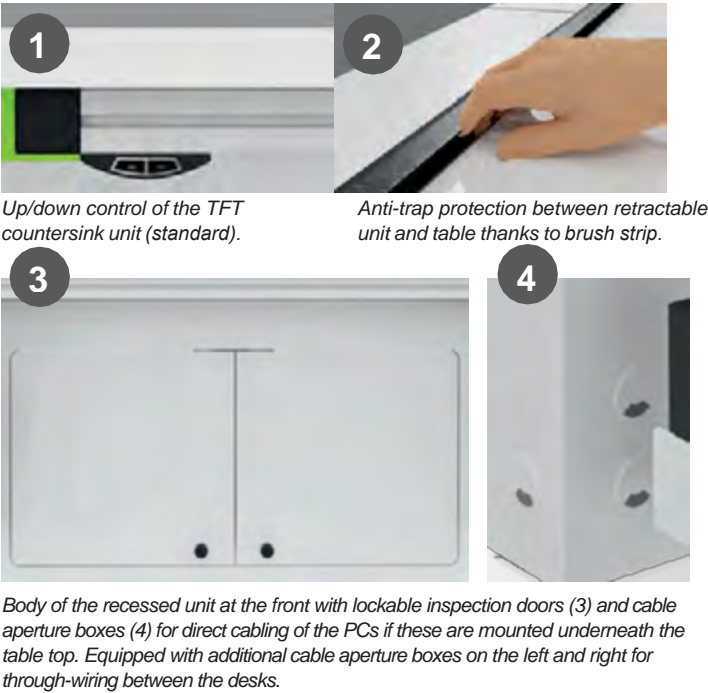
Technical product description:

Tables with electromotive TFT retractable unit Ideal for all classrooms, training and further education facilities.
In addition to the TFT monitors (VESA standard), optional keyboard and mouse mounts can also be integrated into the motorized retractable unit. The desks are available as single and double workstations including electric motorized drives.

Lowering unit: Approx. 230 mm deep and 780 mm high. The electromotive TFT lift drives are in the retractable unit. Each drive can hold TFT monitors weighing up to 25 kg. The lifts are supplied as standard with an operating unit for Up/down control. Optionally, the lift systems can also be equipped with the erfi network module NWT1.104 and the *highlink Power* room control software. The flap is split for double workstations.

Anti-trap protection: The brush strip between the recessed unit and the table offers a high level of anti-trap protection.

Use as a theory table: The flap closes flush with the front table. This means that the table can used as a theory table when retracted. The view to the front is unobstructed.

Up/down control of the TFT countersink unit (standard).

Anti-trap protection between retractable unit and table thanks to brush strip.

Body of the recessed unit at the front with lockable inspection doors (3) and cable aperture boxes (4) for direct cabling of the PCs if these are mounted underneath the table top. Equipped with additional cable aperture boxes on the left and right for through-wiring between the desks.

PC holder (option).

160-220 mm

Keyboard and mouse holder below the retractable monitors (optional).

Optional equipment
PC holder: For holding PCs.
Can be mounted directly on the foot profile on the left and right. The width is variably adjustable.
Dimensions: Width 160-220 mm, depth 450 mm, height 80 / 170 mm. **Order no.:** ELC6.6.257
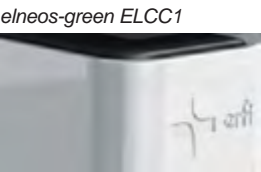
Keyboard and mouse holder: shelf below TFT monitors for the integration of keyboard and mouse.
Order no. for single workstation: ELC1.6.TMA.1
Order no. for double workstation: ELC1.6.TMA.2

erfi network module: Microcontroller system for remote control of the TFT lifts. **Order no.:** NWT1.104

Retractable tables with TFT retractable unit					
length mm/"	depth mm/"	ergo-line	ergo-line ESD	alu-line	alu-line ESD
Einzelarbeitsplatz 1.000 / 39.37	850 / 33.46	ELC1.6.1081	ELC1.6.1082	ELC1.6.1083	ELC1.6.1084
Einzelarbeitsplatz 1.200 / 47.24	850 / 33.46	ELC1.6.1281	ELC1.6.1282	ELC1.6.1283	ELC1.6.1284
Doppelarbeitsplatz 1.600 / 62.99	850 / 33.46	ELC1.6.1681	ELC1.6.1682	ELC1.6.1683	ELC1.6.1684
Doppelarbeitsplatz 1.800 / 70.87	850 / 33.46	ELC1.6.1881	ELC1.6.1882	ELC1.6.1883	ELC1.6.1884
Doppelarbeitsplatz 2.000 / 78.74	850 / 33.46	ELC1.6.2081	ELC1.6.2082	ELC1.6.2083	ELC1.6.2084

Note on the highlink Power room control software: Order no.: HPD2.100.
For technical description, see page 178 and following.

Sinking tables – The table is set!

3 U/6 U/Combination recess unit

Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated
ELCC4

*Option:
Experimental frame 2-row with cantilever.
For holding DIN A4 teaching aids and
perforated panels.*

Figure 1:
*Table with **19-inch / 3 U recessed unit**, table width 1800 mm.
Worktop ergo-line with laser edge.*

*Figure 2:
Table with **19-inch / 6 U
Countersink unit**,*
*Table width 1800 mm.
Worktop ergo-line
with laser edge.*

*Option:
Hanging container for tools
(any mounting position).*

*Integrated
single-row expe-
riment frame for
holding DIN A4
teaching materials
medium.*

*Integrated storage
compart
ment for monitor /
PC, incl. keyboard
holder.*

*Integrated 19-inch /
3 HU mount for*

*Devices from the elneos six
and basic series, etc.*

*Figure 3:
Table with **combi-recessed structure**, table width 1800 mm. Worktop
ergo-line with laser edge.*

*Figure 4: Example of
a recessed table in the
closed stand with
optional*

*Experiment frame on the
sinking unit.*

Worktops:

alu-line (laser edge)

ergo-line (laser edge)

Multiplex

Technical product description:

Tables with electromotive lowering unit Lowering unit: The lowering unit can be individually equipped with the standardized 19-inch device series *elneos six, elneos five* and *basic*. Two heights are available depending on the device equipment and power.
A microprocessor-controlled drive moves the lowering unit into position almost silently. A safety edge ensures optimum safety. When the safety edge is activated, a thrust reversal is initiated immediately. Current monitoring is also integrated. In the event of an overload in the upward movement, the operator switches off automatically. A multiple fuse per functional element ensures 100% safety.
Thanks to an integrated microprocessor unit with interface, the sink superstructures are
can be controlled individually and can be networked. Central control (individual, group and overall control) from the trainer's workstation is possible.
with the erfi network module NWT1.104 and the room control software *highlink Power*.

Add-on table: The retractable unit is flush with the add-on table. This means that the table can be used as a theory table when retracted. The view to the front is unobstructed.

Design variants:
Version 1 and 2: 19-inch / 3 U or 6 U recessed unit: D: 490 mm, H: 780 mm
Countersunk body: D: 470 mm, H: 185 or 318 mm
Add-on table: D: 630 mm, H: 780 mm Add-on table overlaps the recessed unit by 20 mm Total table depth: 1,100 mm

Version 3: Combi-recessed unit Recessed unit: D: 590 mm, H: 780 mm
Countersink unit: D: 570 mm, H: 565 mm Add-on table: D: 630 mm, H: 780 mm Add-on table overlaps the lowering unit by 20 mm Total table depth: 1,200 mm

Optional equipment
Up/down buttons: For student desks for stand-alone use.
up and down the sinking unit. **Order no.:** ELC1.10.ABT

Up/down button (option).
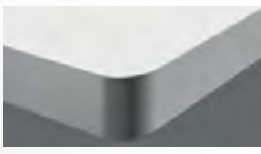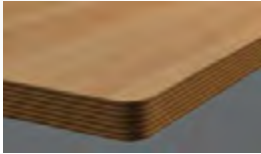
Optional equipment

erfi network module: Microcontroller system, required for remote control using highlink Power room control software. **Order no.:** NWT1.104
Experiment frame for immersion units: With arm, H-profiles 50 mm high, individually adjustable, between 2 vertical aluminum profiles with functional grooves.

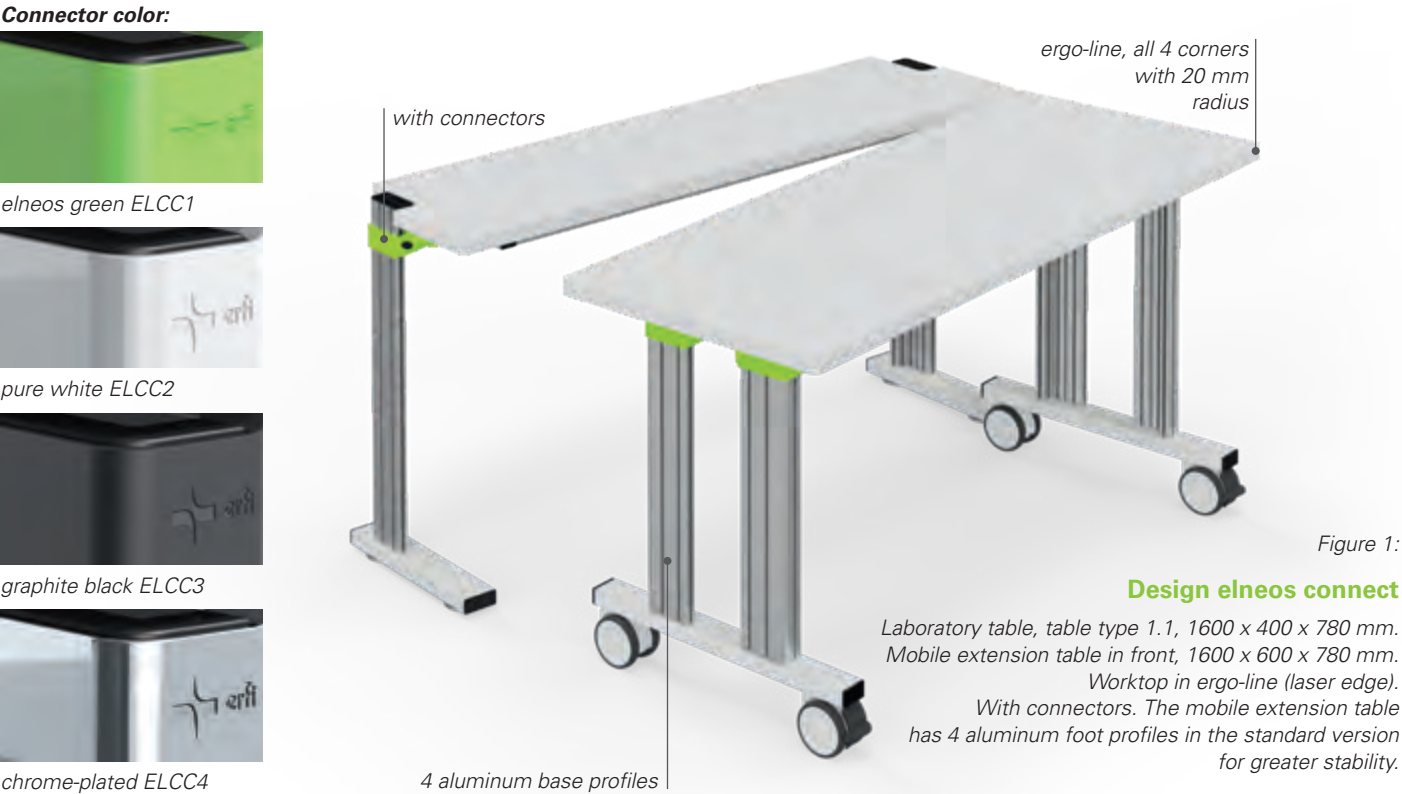| Experiment frame DIN A4 on countersinking unit		
table length	experimental framework	
mm/"	1 row, H: 452 mm	2 rows, H: 788 mm
1.200 / 47.24	ELC7.2.1200.1V	ELC7.2.1200.2V
1.600 / 62.99	ELC7.2.1600.1V	ELC7.2.1600.2V
1.800 / 70.87	ELC7.2.1800.1V	ELC7.2.1800.2V
2.000 / 78.74	ELC7.2.2000.1V	ELC7.2.2000.2V

ESD versions available on request!

Laboratory table with integrated 19-inch/3U or 6U recessed unit								
length	depth		Version 1: 3 U recess unit			Version 2: 6 U recessed unit		
mm/"	mm/"	BK*	ergo-line	alu-line	multiplex	ergo-line	alu-line	multiplex
1.200 / 47.24	1.100 / 43.31	198 TE	ELC1.10.1231	ELC1.10.1233	ELC1.10.1238	ELC1.10.1261	ELC1.10.1263	ELC1.10.1268
1.600 / 62.99	1.100 / 43.31	276 TE	ELC1.10.1631	ELC1.10.1633	ELC1.10.1638	ELC1.10.1661	ELC1.10.1663	ELC1.10.1668
1.800 / 70.87	1.100 / 43.31	316 TE	ELC1.10.1831	ELC1.10.1833	ELC1.10.1838	ELC1.10.1861	ELC1.10.1863	ELC1.10.1868
2.000 / 78.74	1.100 / 43.31	355 TE	ELC1.10.2031	ELC1.10.2033	ELC1.10.2038	ELC1.10.2061	ELC1.10.2063	ELC1.10.2068

Laboratory table with integrated combination countersink unit, version 3						
length mm/"	depth mm/"	BK*	Inner width DIN A4/3U mounting	ergo-line	alu-line	multiplex
1.600 / 62.99	1.200 / 47.24	141 TE	721 mm / 28.39"	ELC1.10.1251	ELC1.10.1253	ELC1.10.1258
1.800 / 70.87	1.200 / 47.24	181 TE	921 mm / 36.26"	ELC1.10.1651	ELC1.10.1653	ELC1.10.1658
2.000 / 78.74	1.200 / 47.24	220 TE	1.121 mm / 44.13"	ELC1.10.1851	ELC1.10.1853	ELC1.10.1858

Note on the highlink Power room control software: Order no.: HPD2.100.
For technical description, see page 178 and following.

Laboratory tables with mobile extension tables

Connector color:

elneos green ELCC1

pure white ELCC2

graphite black ELCC3

chrome-plated ELCC4

with connectors

ergo-line, all 4 corners with 20 mm radius

4 aluminum base profiles

Figure 1:

Design elneos connect

Laboratory table, table type 1.1, 1600 x 400 x 780 mm.
Mobile extension table in front, 1600 x 600 x 780 mm.
Worktop in ergo-line (laser edge).
With connectors. The mobile extension table has 4 aluminum foot profiles in the standard version for greater stability.

without connectors

90° corners

Worktops:

alu-line (laser edge)

ergo-line (laser edge)

Multiplex

only 2 aluminum base profiles

Figure 2:

Basic version (alternative)

Laboratory table, table type 1.1, 1600 x 400 x 780 mm.
Mobile extension table in front, 1600 x 600 x 780 mm.
Worktop with 90° corners (laser edge).
No connectors. The mobile extension table in the Basic version has only 2 aluminum base profiles.

Technical product description:

Laboratory table with mobile side table

This version consists of a fixed laboratory table and a mobile side table. Both tables must be ordered separately.

Fixed laboratory bench: Version with C-foot. The laboratory bench can be firmly anchored to the wall or positioned freely in the room using floor mounting brackets. The workstation is individually configured. Table superstructures, L-profiles, and Expand

profiles 1 and 2 are available for mounting storage shelves, cockpits, devices from the acto, basic, and elneos six series, experiment frames, etc.
For configuration examples, see page 196.

Mounting bracket
For securely anchoring furniture components to the floor or wall.
Floor mounting
Order no.: ELC100.7.013
Wall mounting
Order no.: ELC100.7.014

Mobile extension table: Version with T-foot.
4 swivel casters, Ø 100 mm. Two of the swivel casters are lockable. The mobile extension table allows you to quickly and easily set up a theory area. Just as quickly and easily, the narrow laboratory tables can be turned into professional laboratory workstations with sufficient space for exercises.

A stiffening frame is available as an option for greater stability.

Stiffening frame for mobile extension table	
table width	Order no.
600 mm / 23.62"	ELC8.5.0600
800 mm / 31.50"	ELC8.5.0800
1.000 mm / 39.37"	ELC8.5.1000
1.200 mm / 47.24"	ELC8.5.1200
1.600 mm / 62.99"	ELC8.5.1600
1.800 mm / 70.87"	ELC8.5.1800
2.000 mm / 78.74"	ELC8.5.2000

Laboratory table (C-foot design)						
Length mm/"	Depth mm/"	ergo-line	ergo-line ESD	alu-line	alu-line ESD	multiplex
1.200/47.24	400/15.75	ELCx.x.1241.C	ELCx.x.1242.C	ELCx.x.1243.C	ELCx.x.1244.C	ELCx.x.1248.C
1.600/62.99	400/15.75	ELCx.x.1641.C	ELCx.x.1642.C	ELCx.x.1643.C	ELCx.x.1644.C	ELCx.x.1648.C
1.800/70.87	400/15.75	ELCx.x.1841.C	ELCx.x.1842.C	ELCx.x.1843.C	ELCx.x.1844.C	ELCx.x.1848.C
2.000/78.74	400/15.75	ELCx.x.2041.C	ELCx.x.2042.C	ELCx.x.2043.C	ELCx.x.2044.C	ELCx.x.2048.C

Ordering note: Replace x.x with the desired **table type**!
1.1 Basic table
1.2 Basic table with 180° cable flap
See also page 74 and page 75.

Note on basic version: If you want the table in basic version, add **.B** to the order number in the order table.**B**

Mobile extension table (T-foot design) connect: 4 aluminum foot profiles, Basic: 2 aluminum foot profiles						
Length mm/"	Depth mm/"	ergo-line	ergo-line ESD	alu-line	alu-line ESD	multiplex
600/23.62	600/23.62	ELC1.1.0661A.T	ELC1.1.0662A.T	ELC1.1.0663A.T	ELC1.1.0664A.T	ELC1.1.0668A.T
800/31.50	600/23.62	ELC1.1.0861A.T	ELC1.1.0862A.T	ELC1.1.0863A.T	ELC1.1.0864A.T	ELC1.1.0868A.T
1.000/39.37	600/23.62	ELC1.1.1061A.T	ELC1.1.1062A.T	ELC1.1.1063A.T	ELC1.1.1064A.T	ELC1.1.1068A.T
1.200/47.24	600/23.62	ELC1.1.1261A.T	ELC1.1.1262A.T	ELC1.1.1263A.T	ELC1.1.1264A.T	ELC1.1.1268A.T
1.600/62.99	600/23.62	ELC1.1.1661A.T	ELC1.1.1662A.T	ELC1.1.1663A.T	ELC1.1.1664A.T	ELC1.1.1668A.T
1.800/70.87	600/23.62	ELC1.1.1861A.T	ELC1.1.1862A.T	ELC1.1.1863A.T	ELC1.1.1864A.T	ELC1.1.1868A.T
2.000/78.74	600/23.62	ELC1.1.2061A.T	ELC1.1.2062A.T	ELC1.1.2063A.T	ELC1.1.2064A.T	ELC1.1.2068A.T

Note on basic version: If you want the table in basic version, add **.B** to the order number in the order table.

Configuration examples

Example 1:

Laboratory bench: ELC1.1.1641.C
1600 x 400 x 780 mm. Table type 1.1. ergo-line worktop (laser edge).

Mobile extension table: ELC1.1.1661A.T 1600 x 600 x 780 mm. Worktop ergo-line (laser edge).

Structure:
19-inch table-top assembly, equipped with the *basic* and *elneos six* device series. 2-row experiment frame mounted on table top.

Basic version
laboratory table:
ELC1.1.1641.C.B
Mobile extension table:
ELC1.1.1661A.T.B

Example 2:

Laboratory bench: ELC1.1.1641.C
1600 x 400 x 780 mm. Table type 1.1. ergo-line worktop (laser edge).

Mobile extension table: ELC1.1.1663A.T 1600 x 600 x 780 mm. Worktop alu-line (laser edge).

Structure:
Extended L-profiles. 19-inch cockpit, equipped with the *basic* and *elneos six* device series. 2-row experiment frame between the base profiles. Cable aperture sockets embedded in the table top, open cable tray underneath the table.

Basic version
laboratory table:
ELC1.1.1641.C.B
Mobile extension table:
ELC1.1.1663A.T.B

Example 3:

Laboratory bench: ELC1.2.1648.C
1600 x 400 x 780 mm. Table type 1.2 with 180° cable flap. Optional split cable flap. Multiplex worktop.

Mobile extension table: ELC1.1.1668A.T 1600 x 600 x 780 mm. Worktop multiplex.

Connectors each in graphite black, RAL 9011.

Structure:
Extended L-profiles with Expand 2 profiles on the left and right, fitted with the *acto* and *elneos six compact* device series. 2-row experiment frame between the base profiles.

Basic version
laboratory table:
ELC1.2.1648.C.B
Mobile extension table:
ELC1.1.1668A.T.B
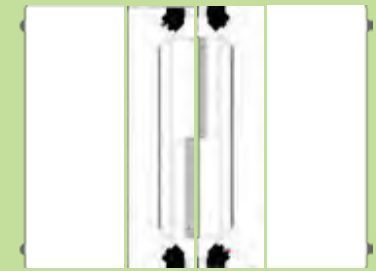
Layout variant 1:
Laboratory work

Installation variant:
Group work

Line-up variant 2:
Laboratory work
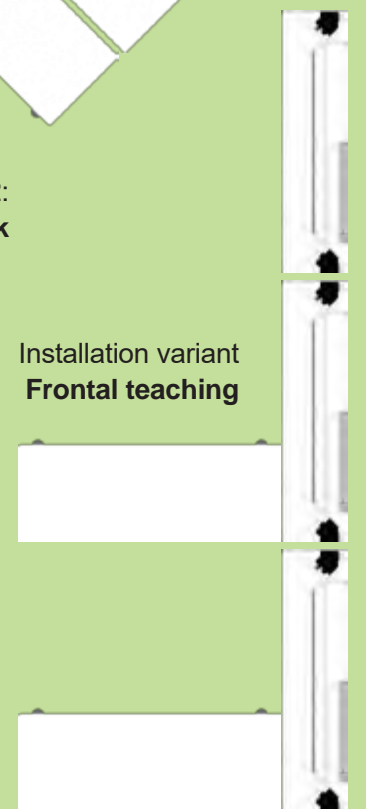
Installation variant
Frontal teaching

Installation options:

The laboratory table and the mobile extension table provide a wide range of set-up options:

- in series
- in angle combinations
- Back to back
- Group workstations, etc.

erfi

Wall workstations with storage space

Ergonomic functional handles, select version:

graphite black (RAL 9011) Series   ELCCS1

blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

2️⃣ *Figure 2:*
Same working place as Fig. 1 but in pro version. (With bow handles and handle olive, without functional sock).

1️⃣

Vertical indication light

Note:
The L and Expand 2 profiles incl. acto equipment, the 2-row experiment frame and the vertical indication light must be ordered separately! The additional equipment is shown here as an example configuration of a workplace.

Figure 1:
Wall-mounted cupboard with ladder panel and optional LED workstation light (page 107). Wall-mounted workstation with Multiplex worktop, size (W x D x H): 1200 x 600 x 930 mm. Design select. With optional connect-LINE plinth lighting (page 316). Additionally with superstructure (to be ordered separately): L-profiles with Expand 2 left and right - fitted with acto insert panels and optionally with vertical indication light in the Expand 2 profile for status display (page 108) and with 2-row experiment frame.

Technical product description:

Wall-mounted workstations with storage space
The wall-mounted workstations consist of a base cabinet and a worktop. The structure is variable and, as with the *elneos connect* tables, can be configured as required. Table superstructures, L-profiles and Expand 1 or Expand 2 profiles for holding storage boards, cockpits, devices, experiment frames, etc. are possible. For even more storage space, an optional wall-mounted cupboard can be selected above the respective workstation.

Standard version	1️⃣ for select (.S)	2️⃣ for pro (.P)
Worktop	Corner radius 20 mm	Corners °
Handles	Ergonomic functional handle, W: 300 mm; design follows the shape of the connector	Bow handles, W: 140 mm; handle olive with lock
Hinged doors	Fitting technology invisible from the outside, 165° hinges	Visible hardware technology, 270° hinges
Plinth for base cabinet	Recessed functional base connect-LINE for optional mounting of the indication light. Design follows the shape of the connector	Set-back simple plinth

Figure 3:
Base unit open. Top with open storage compartment, bottom with grooved mats for A4 teaching aids.

Worktops:

alu-line (laser edge)

Multiplex

General information on the decor of the base unit

Execution select
Not conductive:
Fronts / carcase: front white; plinth: graphite black / front white *ESD version:*
Fronts / carcase: front white;
Base: front white
(Optionally with connect-LINE plinth lighting, see page 316.)

Version per
Not conductive:
Fronts / carcase / plinth: front white
ESD version:
Fronts / carcase / plinth: front white

Base unit: Size (D x H) 565 x 900 mm, plus worktop with size (D x H) 600 x 30 mm

- 12 mm thick back panel, grooved
- Number of drawers (3 U, full-extension) / hinged doors:
  for table length 1,200 mm:
  2 drawers / 2 hinged doors
  for table lengths 1,600 / 1,800 and 2,000 mm:
  2 drawers / 4 hinged doors incl. 1 center panel
- A4 compartment/trays with grooved mats at the bottom for holding Didactic teaching aids, usable depth: 532 mm
- Base: 75 mm recessed

All base units in select design can optionally be fitted with elneos connect LINE plinth lighting.

Structure: The wall workstations can be equipped with table superstructures and also with L-profiles and Expand 1 or Expand 2 profiles using adapters to accommodate storage shelves, cockpits, devices, experiment frames, etc.

Optional equipment

Vertical indication light: Integrated in the Expand 2 profile vertical. It shows the voltage levels in different colors and increases safety at the workplace, see page 108.

Connect-LINE plinth lighting: Integrated status indicator for open and closed. Alternative cabinet assembly complete/incomplete, see page 316. Only possible if select is selected.

Wall workstation with storage space (base cabinet with worktop, without superstructure)

Length mm/"	Depth	ergo-line	ergo-line ESD	alu-line	alu-line ESD	multiplex
1.200/47.24	600/23.62	ELC1.7.1261.x	ELC1.7.1262.x	ELC1.7.1263.x	ELC1.7.1264.x	ELC1.7.1268.x
1.600/62.99	600/223.62	ELC1.7.1661.x	ELC1.7.1662.x	ELC1.7.1663.x	ELC1.7.1664.x	ELC1.7.1668.x
1.800/70.87	600/223.62	ELC1.7.1861.x	ELC1.7.1862.x	ELC1.7.1863.x	ELC1.7.1864.x	ELC1.7.1868.x
2.000/78.74	600/223.62	ELC1.7.2061.x	ELC1.7.2062.x	ELC1.7.2063.x	ELC1.7.2064.x	ELC1.7.2068.x

Wall cabinet for wall workstation with storage space (with at least 1 adjustable shelf)

Length	Depth	without ladder cover, H: 720 mm / 28.35"		with ladder cover, H: 900 mm / 35.43"		Step ladder for wall cabinets with ladder cover:
mm/"	mm/"	non-conductive	ESD	non-conductive	ESD	ELCC.100.1
1.200/47.24	420/16.54	ELC1.7.1271.x	ELC1.7.1272.x	ELC1.7.1291.x	ELC1.7.1292.x	**Additional ladder bracket:** ELCC.100.2
1.600/62.99	420/16.54	ELC1.7.1671.x	ELC1.7.1672.x	ELC1.7.1691.x	ELC1.7.1692.x	*See also page 323.*
1.800/70.87	420/16.54	ELC1.7.1871.x	ELC1.7.1872.x	ELC1.7.1891.x	ELC1.7.1892.x	
2.000/78.74	420/16.54	ELC1.7.2071.x	ELC1.7.2072.x	ELC1.7.2091.x	ELC1.7.2092.x	
Additional equipment LED workstation lamp, see page 107.						

Ordering note: Replace **.x** with the **desired version (.S or .P)**!

compact-line – mobile and flexible

Version 3:
Model **5**

Version 2:
Model **3** and **4**

Version 1:
Model **1** and **2**

Back-to-back installation.

Space-saving storage.

Technical product description:

compact-line for training and further education in the field of mechatronics / pneumatics
The compact-line is mobile for individual laboratory and workshop design. The ingenious mobile frame enables back-to-back installation and the compact-line can be pushed together to save space when not in use.

The non-tipping base frame consists of a mobile frame with 4 swivel castors Ø 75 mm, two of which are lockable. 1 aluminum foot profile on the right and left. Stepless height adjustment by means of gas pressure spring, control unit and cable drag chain. Can therefore be conveniently released and locked by just 1 person.

The compact-line is available in 3 versions:

Version 1: compact-line basic model **1** / **2**
- Travel frame
- Height adjustment
- 3 U aluminum trunking optionally with equipment 1-phase, 230 V or 3-phase, 400 V
- Size approx. (W x D x H): 1,505 x 700 x 830-1,295 mm

Version 2: compact-line complete model **3** **4** /
- Travel frame
- Height adjustment
- ER mounting frame
- 2-row experimental frame
- 3 U aluminum trunking optionally with equipment 1-phase, 230 V or 3-phase, 400 V
- Size approx. (W x D x H): 1,505 x 700 x 1,953-2,073 mm

Version 3: compact-line mobile **5**
- Travel frame
- Height adjustment
- ER mounting frame
- 2-row experimental frame
- Size approx. (W x D x H): 1,505 x 700 x 1,340-1,670 mm

Technical product description:

3 HE aluminum channel
The 3 U aluminum trunking with 19-inch mounting technology for devices from the *elneos six* device series
and *basic* are already preconfigured (assembly capacity* 263 TE).

The aluminum ducts have functional lids with ventilation on the left and right. The side covers are equipped with

Equipped with 3 U aluminum trunking, 1-phase, 230 V preconfigured with:
- 1-phase safety and switching unit:
  – Motor protection switch: 10-16 A
  – NFI switch type B: 30 mA, rated current 25 A
  – Emergency stop button with 2nd potential-free NC contact
  – Phase indicator light
- 4 socket outlets with earthing contact 230 V / 16 A
- 2 x 3 safety laboratory sockets 230 V (L1, N, PE)
- 2 RJ45 sockets CAT 6, 8-pin
- Fixed voltage 24 V / 5 A DC
- Compressed air control with 1 DN 5 coupling socket, self-adjusting, pressure gauge 0-10 bar, class 2.5

2 different color accents available (green RAL DESIGN 1107070 or grey RAL DESIGN 5500).

The energy channels electrically connected via an integrated multifunctional plug. The cable is led out at the bottom of the energy channel.
If the cable is not needed, it can be stowed away in the integrated cable tray.
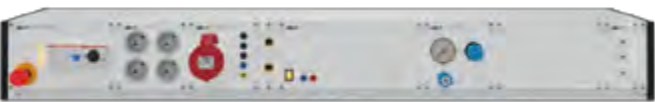
Equipment 3 U aluminum trunking 3-phase, 400 V preconfigured with:
- 3-phase safety and switching unit:
  – Motor protection switch: 10-16 A
  – NFI switch type B: 30 mA, rated current 25 A
  – Emergency stop button with 2nd potential-free NC contact
  – 3 phase indicator lights
- 4 socket outlets with earthing contact 230 V / 16 A
- 1 CEE socket 400 / 230 V, max. 16 A
- 2 x 3 safety laboratory sockets 230 V (L1, N, PE)
- 2 RJ45 sockets CAT 6, 8-pin
- Fixed voltage 24 V / 5 A DC
- Compressed air control with 1 DN 5 coupling socket, self-adjusting, pressure gauge 0-10 bar, class 2.5

Version 1

Version 2

Execution 3

compact-line (width 1400 mm)	**1**	**2**	**3**	**4**	**5**
	Version 1: compact-line mobile, basic model		**Version 2: compact-line mobile, complete model**		**Version 3: compact-line mobile**
Color accent on the side	Model 1 1-phase, 230 V	Model 2 3-phase, 400 V	Model 3 1-phase, 230 V	Model 4 3-phase, 400 V	Model 5 -
green RAL DESIGN 1107070	ELC1.8.1401	ELC1.8.1402	ELC1.8.1405	ELC1.8.1406	ELC1.8.1409 (without aluminum channel)
gray RAL DESIGN 5500	ELC1.8.1403	ELC1.8.1404	ELC1.8.1407	ELC1.8.1408	

* Placement capacity in TE (unit of division) 1 TE/DU = 5.08 mm/0.2″

Mechaline for pneumatics, hydraulics, sensor technology

Single workstations

Connector color:

elneos-green ELCC1

pure white ELCC2

graphite black ELCC3

NCS-S-1565-B, blue ELCC5

1 Figure 1:
Mechaline single workstation
stationary
elneos connect
Worktop ergo-line (laser edge). With
connectors.

2 Figure 2:
Mechaline single workstation
stationary
elneos connect Basic
worktop with 90° corners
(laser edge).
No connectors.

1 Figure 1:
Mechaline single workstation
mobile
elneos connect
Worktop ergo-line (laser edge). With
connectors.

Worktops:

alu-line (laser edge)

ergo-line (laser edge)

Multiplex

2 Figure 2:
Mechaline single workstation
mobile
elneos connect Basic worktop with
90° corners (laser edge).
No connectors.

Technical product description:

**Mechaline individual workstations -
laboratory tables for training and further
education in the field:
Mechatronics, pneumatics, hydraulics and sensors**
The preconfigured laboratory benches are available
as stationary and mobile units.

**Mechaline single workstations stationary
version**
consisting of table with size (W x D x H): 1,600
x 850 x 780 / 1,750 mm:
– Mounting frame for all ER units for
control and regulation technology
– 1 mobile tool container with 4 drawers (material
drawer, 3x 3 U)

**The tables can be optionally upgraded with
the following components:**

– 2-row experiment frame with individually
adjustable rails for DIN A4 teaching aids and
profile plates for hanging, see page 212

– Profile plate between the L-profiles, size (W x H):
approx. 1470 x 150 mm, see from page 217 onwards

– Profile plate between tabletop and ER mounting
frame, size 700 x 700 mm, see from page 217

– Laboratory cord, hose and notebook holders, etc.,
see accessories from page 260 and page 373
onwards

**Mechaline single workstations mobile
version**
consisting of table with size (W x D x H): 1,600 x
850 x 780 / 1,750 mm:
– Mounting frame for all ER units for
control and regulation technology

– Sturdy mobile frame with 4 swivel castors Ø 100
mm, two of which are lockable

– 1 tool container with 4 drawers (material
drawer, 3x 3 U)

– Storage shelf for e.g. compressor

**The tables can be optionally upgraded with the
following components:**

– 2-row experiment frame with individually
adjustable rails for DIN A4 teaching aids and
profile plates for hanging, see page 212

– Profile plate between the L-profiles, size (W x H):
approx. 1470 x 150 mm, see from page 217 onwards

– Profile plate between tabletop and ER mounting frame,
size 700 x 700 mm, see from page 217

– Laboratory cord, hose and notebook holders, etc.,
see accessories from page 260 and page 373
onwards

Single-sided laboratory bench for mechatronics and pneumatics stationary					
Execution	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
1 elneos connect	ELC1.9.1681.S1	ELC1.9.1682.S1	ELC1.9.1683.S1	ELC1.9.1684.S1	ELC1.9.1688.S1
2 elneos connect Basic	ELC1.9.1681.S1.B	ELC1.9.1682.S1.B	ELC1.9.1683.S1.B	ELC1.9.1684.S1.B	ELC1.9.1688.S1.B

Single-sided laboratory table for mechatronics and pneumatics mobile					
Execution	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
1 elneos connect	ELC1.9.1681.M1	ELC1.9.1682.M1	ELC1.9.1683.M1	ELC1.9.1684.M1	ELC1.9.1688.M1
2 elneos connect Basic	ELC1.9.1681.M1.B	ELC1.9.1682.M1.B	ELC1.9.1683.M1.B	ELC1.9.1684.M1.B	ELC1.9.1688.M1.B

Mechaline double workstations

Hexagonal workbenches

ergonomic functional handles:

graphite black
(RAL 9011) Series   ELCCS1

blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL
DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

1 *Figure 1:*
Mechaline double workstation
stationary
elneos connect Basic *worktop with*
90° corners (laser edge).
No connectors.

Figure 2:
Mechaline double workstation
mobil
elneos connect Basic
worktop with 90° corners
(laser edge).
No connectors.

2

Technical product description:

Mechaline double workstations - laboratory tables for training and further education in the field:
Mechatronics, pneumatics, hydraulics and sensors
The preconfigured laboratory benches are available as stationary and mobile units. These can be individually extended with various accessories.

Mechaline double workstations stationary version
consisting of table with size (W x D x H): 1,600 x 850 x 780 / 1,750 mm:
– Mounting frame for all ER units for control and regulation technology
– 2 mobile tool containers with 4 drawers (material drawer, 3x 3 U)

Mechaline double workstations mobile version
consisting of table with size (W x D x H): 1,600 x 850 x 780 / 1,750 mm:
– Mounting frame for all ER units for control and regulation technology
– Sturdy mobile frame with 4 swivel castors Ø 100 mm, two of which are lockable
– 2 tool containers with 4 drawers (material drawer, 3x 3 U)
– Storage shelf for e.g. compressor

Double-sided laboratory bench for mechatronics and pneumatics					
Execution **elneos connect Basic**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Multiplex**
1 stationary	ELC1.9.1681.S2.B	ELC1.9.1682.S2.B	ELC1.9.1683.S2.B	ELC1.9.1684.S2.B	ELC1.9.1688.S2.B
2 mobile	ELC1.9.1681.M2.B	ELC1.9.1682.M2.B	ELC1.9.1683.M2.B	ELC1.9.1684.M2.B	ELC1.9.1688.M2.B

Figure 1:
Hexagonal workbench with 6 HU table superstructure and optional socket port on the table superstructure.
Pedestal under the table with 3 U holder at the top for basic appliance series, 56 HP and hinged door cupboard at the bottom with lockable intermediate shelf, shortened by 200 mm at the rear for optimum legroom.

Hexagonal workbenches
The hexagonal workbenches are ideal group workstations. A group workstation consists of a table top and 6 pedestals. Depending on the version, a 3- or 6-HE table structure with

integrated device mounting mechanism for mounting the *basic* and *elneos six* insert plate range centrally on the hexagonal workbench.

6-sided workbenches for mechatronics engineers

6-sided workbenches for electr. technicians
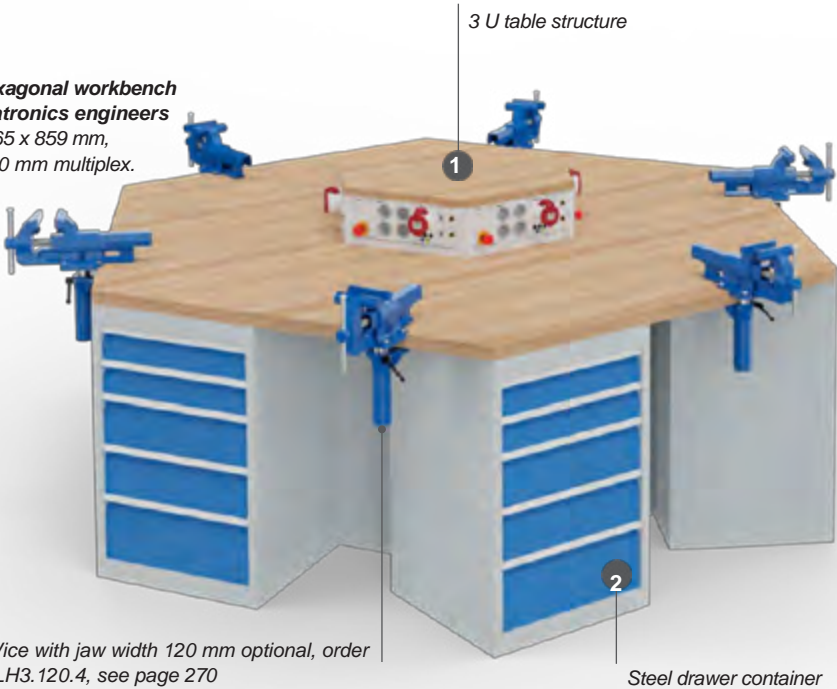
Worktops

30 mm HPL laminate chipboard (laser edge), front white

Multiplex

Beech bar

Fig. 1: Hexagonal workbench for mechatronics engineers 2500 x 2165 x 859 mm, Worktop 40 mm multiplex.

3 U table structure

①

②

Vice with jaw width 120 mm optional, order no.: ELH3.120.4, see page 270

Steel drawer container

Fig. 2 below: Hexagonal workbench for electronics technicians, size 1 2425 x 2100 x 820 mm, worktop 30 mm HPL chipboard.

Socket port optional, with 2 sockets and 1 USB, order no: ELC.P2, see page 374

③ 3 U table top, retractable

6 HE- Table structure

①

②

Pedestal

Pedestal

④

Table structure sunk

Fig. 3 right: Hexagonal workbench for electronics technicians with retractable 3 U table top, size 2 3000 x 2600 x 820 mm, worktop 30 mm multiplex.

Pre-configured hexagonal workbenches with 19-inch / 3 U table structure

Workbench size: 2500 x 2165 x 859 mm
Worktop: Beech plywood or beech crossbars, multi-layer glued, 40 mm thick. Cleanly sanded, impregnated and coated with food-safe oil. Alternatively also available as a beech bolt top. Front seat edge approx. 1250 mm.
Work surface depth: approx. 720 mm up to table structure.

Optional equipment

Additional electrification possible for each student on the table structure, see page 374.

Flip top

Port   Back Flip

Frame Dock

① Table structure
Size (W x D): 825 x 715 mm, 3 U. Assembly capacity: 1 x 70 HP per side. Side length approx. 413 mm.

② Steel drawer container
Size (W x D x H): 531 x 500 x 819 mm, 5 drawers, 2x 100 mm, 2x 150 mm and 1x 200 mm. 100% full extension, 100 kg load capacity, 6x intermediate plate, color: RAL 7035 / RAL5012.

Pre-configured hexagonal workbench with 19-inch / 3 U or 6 U table structure

Workbench size 1: 2425 x 2100 x 820 mm.

Work surface: HPL chipboard, choice of beech multiplex or beech crossbar. Front seat edge approx. 1212 mm.

Work surface depth: approx. 470 mm up to table structure.

① Table structure
Size (W x D): 1339 x 1159 mm, 6 U alternatively 3 U. Assembly capacity: 2 x 112 HP per side. Side length: 673 mm.

② Pedestal
Size (W x D x H): 330 x 594 x 790 mm. Top: 3 U mounting for basic device series, size (W x D x H): 330 x 570 x 172 mm / 56 HP
Below: Hinged door cupboard with lockable intermediate shelf, size (W x D x H): 330 x 394 x 618 mm, shortened by 200 mm at the rear for optimum legroom.

Preconfigured hexagonal workbenches with 19-inch / 3 U or 6 U table structure, retractable

Workbench size 2: 3000 x 2600 x 820 mm, covered all round to protect the mechanics from dust.

Work surface: HPL chipboard, choice of beech multiplex or beech crossbar. Front seat edge approx. 1500 mm.

Work surface depth: approx. 620 mm up to table structure

③ Retractable table structure
Size (W x D): 1339 x 1159 mm, 6 U alternatively 3 U. Assembly capacity: 2 x 112 HP per side. Side length: 673 mm.

④ Pedestal
W x D x H: 430 x 580 x 790 mm.
Top: 3 U mounting for *basic* appliance series, size (W x D x H): 430 x 580 x 172 mm / 77 HP Bottom: Lockable drawer cabinet with 4 drawers, 1 x 1 U, 1 x 3 U, 2 x 4 U.

Hexagonal workbenches for mechatronics engineers with 19-inch / 3 U table structure	
Multiplex	ELC1.6.2438
Beech bar	ELC1.6.2439

Hexagonal workbenches for electronics technicians with 19-inch / 3 U or 6 U table structure				
	Workbench with fixed table structure **Size 1:** 2425 x 2100 x 820 mm		Workbench with retractable table structure **Size 2:** 3000 x 2600 x 820 mm	
	with 3 U table structure	with 6 U table structure	with 3 U table structure	with 6 U table structure
HPL - chipboard	ELC1.6.2431.1	ELC1.6.2461.1	ELC1.6.2431.2	ELC1.6.2461.2
Multiplex	ELC1.6.2438.1	ELC1.6.2468.1	ELC1.6.2438.2	ELC1.6.2468.2
Beech bar	ELC1.6.2439.1	ELC1.6.2469.1	ELC1.6.2439.2	ELC1.6.2439.2

Table structures 19″ octagonal / equipment rack

Containers for dual use

Cover plate octagonal structure

20 mm HPL laminate chipboard (laser edge), front white

Multiplex

Experiment frame with 250 mm free space.

Fig. 1: Four-person table group with octagonal structure 3 U, device front inclined 10°. Experimental frame optional.

Suspended container for double use, variable depth, order no: ELC6.2.544.HCT.1 - see page 209.

Fig. 2: 19 inch equipment rack, 5 x 3 U / 70 HP.

1296 mm

56 TE | 112 TE | 56 TE | 112 TE | 56 TE | 112 TE | 56 TE | 112 TE

1296 mm

Technical features
- 1 lock per student, 2 locks in total
- with intermediate shelf (theft protection)

Variable depth suspended containers
Easy to move thanks to high-quality ball bearing guide. Locking at the rear by means of magnets. Sufficient legroom at the front for an additional person. Recommended table depth for variable depth suspended containers: 1000 mm.

Please replace the **"x"** with the desired decor of the container. **Decor 1** *Non-conductive decor*
Fronts: Front white, carcass: graphite black
Décor 2 *Non-conductive décor* Fronts: Front white, body: Front white **decor 3** *ESD version*
Fronts: Front white, carcass: Front white

Note:
1 U= 50 mm, top pull-out with extra deep insert for writing utensils as standard!

-> Partially variable depth

Technical product description:

Desktop superstructures 19-inch octagon /device rack

The table superstructures are made of wood / laminate. They include an intelligent and standard-compliant 19-inch mounting mechanism for 19-inch partial/full racks. Standardized connectors according to DIN 41612 type H 15.

Optional equipment

Experimental frame DIN A4 for mounting on table top
H-profiles 50 mm high with integrated brush, single
adjustable, between 2 vertical aluminum profiles with functional grooves for connecting further system

Table structure 19-inch/3U octagon (size: 1,296 x 1,296 x 172 mm, configuration 4x 112 TE, 4x 56 TE)	
Decor	Order no.
Front white, non-conductive	ELC4.3.1281
Multiplex (cover plate)	ELC4.3.1288
Device front inclined at 10° optional	ELC4.5.0001

19-Zoll Geräte-Rack inkl. 19-Zoll Geräteaufnahme (Bauhöhe: 715 mm / 15 HE)		
Dimensions (W x D x H)	device mounting	Order no.
257 mm x 360 x 788 mm 10.12 x 14.17 x 31.02″	5 x 3 HU / 42 DU	ELC4.3.1942
328 mm x 360 x 788 mm 12.91 x 14.17 x 31.02″	5 x 3 HU / 56 DU	ELC1.6.1956
399 mm x 360 x 788 mm 15.71 x 14.17 x 31.02″	5 x 3 HU / 70 DU	ELC1.6.1970
470 mm x 360 x 788 mm 18.50 x 14.17 x 31.02″	5 x 3 HU / 84 DU	ELC1.6.1984
525 mm x 360 x 715 mm 20.67 x 4.17 x 28.15″	5 x 3 HU / 19-Zoll	ELC1.6.1919

experimental framework					
in combination with octagonal table top, with clearance 250 mm			in conjunction with 19″ equipment rack, without clearance		
table length mm/″	1 row, Height: 660 mm / 25.98″	2 rows, Height: 995 mm / 39.17″	3 rows, Height: 1.330 mm / 52.36″	1 row, Height: 452 mm / 17.80″	2 rows, Height: 788 mm / 31.02″	3 rows, Height: 1.123 mm / 44.21″
1.200 / 47.24	ELC7.3.1200.1T	ELC7.3.1200.2T	ELC7.3.1200.3T	ELC7.2.1200.1G	ELC7.2.1200.2G	ELC7.2.1200.3G
1.600 / 62.99	ELC7.3.1600.1T	ELC7.3.1600.2T	ELC7.3.1600.3T	ELC7.2.1600.1G	ELC7.2.1600.2G	ELC7.2.1600.3G
1.800 / 70.87	ELC7.3.1800.1T	ELC7.3.1800.2T	ELC7.3.1800.3T	ELC7.2.1800.1G	ELC7.2.1800.2G	ELC7.2.1800.3G
2.000 / 78.74	ELC7.3.2000.1T	ELC7.3.2000.2T	ELC7.3.2000.3T	ELC7.2.2000.1G	ELC7.2.2000.2G	ELC7.2.2000.3G

Containers for dual use						
Depth mm/″	Width mm/″	Effective depth mm/″	Hanging container H: 527 mm / 10 HE classification: 1x 3 HE, 1x 2 HE/ 1x 3 HE, 1x 2 HE	rolling container H: 612 mm / 10 HE classification: 1x 3 HE, 1x 2 HE/ 1x 3 HE, 1x 2 HE	standing container H: 647 mm / 12 HE classification: 2x 3 HE/ 2x 3 HE	side container H: 780 mm / 13 HE classification: 2x 3 HE/ 1x 3 HE, 1x 4 HE
640/5.20	430/16.93	490/19.29	ELC6.2.544.HC.x	ELC6.2.544.RC.x	ELC6.2.544.SC.x	ELC6.2.544.BC.x
	Variable depth		ELC6.2.544.HCT.x	–	–	–
640 / 25.20	330/12.99	490/19.29	ELC6.2.534.HC.x	ELC6.2.534.RC.x	ELC6.2.534.SC.x	ELC6.2.534.BC.x
	Variable depth		ELC6.2.534.HCT.x	–	–	–
790/31.10	430/16.93	490/19.29	ELC6.2.744.HC.x	ELC6.2.744.RC.x	ELC6.2.744.SC.x	ELC6.2.744.BC.x
790/31.10	430/16.93	690/27.17	ELC6.2.746.HC.x	ELC6.2.746.RC.x	ELC6.2.746.SC.x	ELC6.2.746.BC.x
790/31.10	330/12.99	490/19.29	ELC6.2.734.HC.x	ELC6.2.734.RC.x	ELC6.2.734.SC.x	ELC6.2.734.BC.x
790/31.10	330/12.99	690/27.17	ELC6.2.736.HC.x	ELC6.2.736.RC.x	ELC6.2.736.SC.x	ELC6.2.736.BC.x
options						
Full extension drawer runners for drawer depths of 490 mm / 19.29″						ELC6.9.1
Full extension drawer runners for drawer depths of 690 mm / 27.17″						ELC6.9.2
Touch-to-open instead of Smart-Close						ELC6.9.3
Electronic central locking system						ELC6.9.4

Didactic Mobile

Ergonomic functional handles, select version:

graphite black (RAL 9011) Series   ELCCS1

blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

Handle, pro version:

Wardrobe doors: Handle olive with integrated drawer Series

Exemplary structure:
1- 185 mm deep aluminum channel (the assembly must be ordered separately!)

Example setup: 2-row experiment frame on a 185 mm deep aluminum channel (the setup must be ordered separately!).

Figure 2: Didactic-Mobile elneos cubix 1 pro, decor 1, non-conductive. Fronts and carcase in front white.
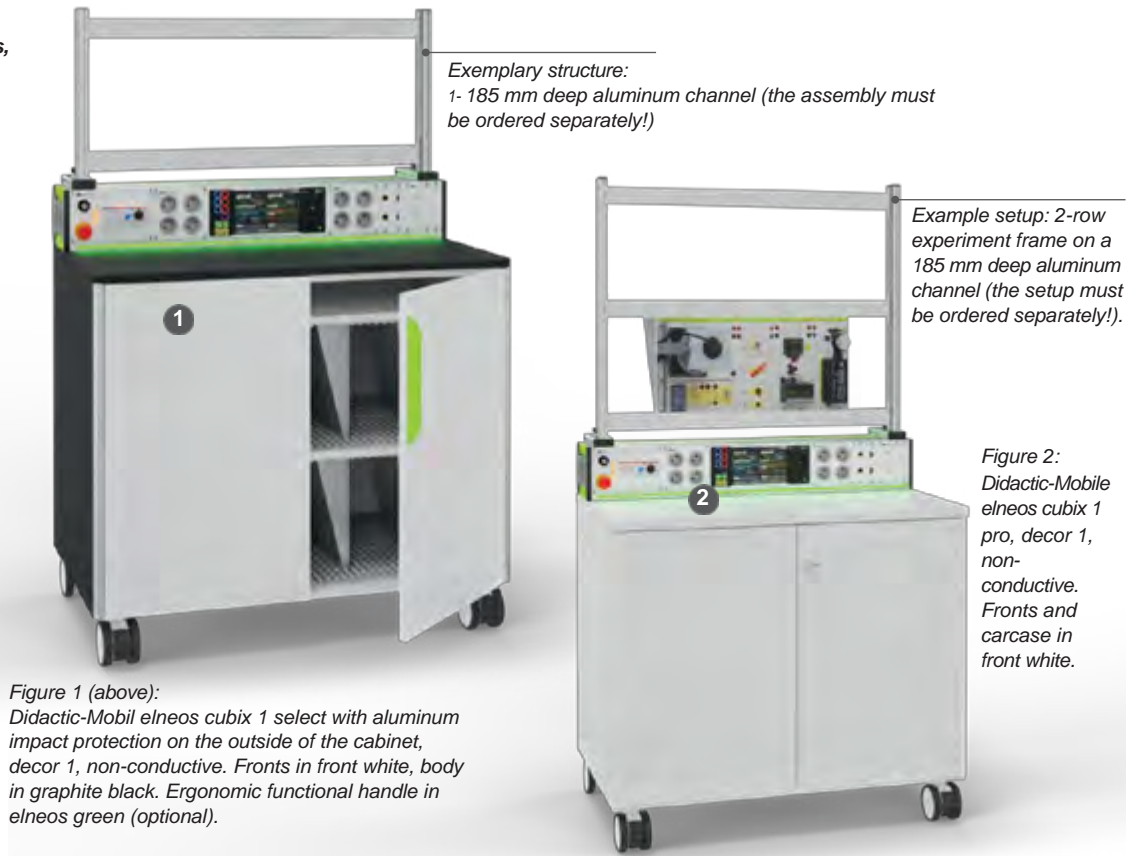
Figure 1 (above):
Didactic-Mobil elneos cubix 1 select with aluminum impact protection on the outside of the cabinet, decor 1, non-conductive. Fronts in front white, body in graphite black. Ergonomic functional handle in elneos green (optional).

2- series of experiments.

4 integrated earthing contact sockets in cover plate.

Push handle (elneos functional handle) in zinc yellow (optional).

elneos functional handle in zinc yellow (option).

Aluminum impact protection on the outside of the cabinet.

Swivel castors Ø 100 mm. Two of them detectable.

cubix element, zinc yellow. Size (W x D x H): 1,214 x 700 x 325 mm. 19-inch mounting technology at the top with 3 ventilation grilles underneath (mounting capacity* 230 HP).
3 compartments at the bottom, each measuring (W x D): 378 x 130 mm.

Hinged door wardrobe (W x D x H): 1,138 x 600 x 780 mm.
1 storage compartment at the top, 70 mm high.
2 grooved mat compartments at the bottom for DIN A4 teaching aids, usable width 1,100 mm, Useful depth 520 mm.

Drawer cabinet (W x D x H): 452 x 600 x 975 mm, 3x drawer height 200 mm, 1x drawer height 355 mm. Usable width: 330 mm, usable depth: 490 mm.

Technical product description:

Didactic mobile elneos cubix 1

The compact Didactic mobile (without superstructure, equipment and teaching aids) consists of a mobile sideboard with 1 storage compartment at the top and 2 compartments for DIN A4 teaching aids at the bottom. Swivel castors Ø 75 mm.

Two of the swivel castors are lockable. Size 1,200 x 700 x 900 mm.

With the compact Didactic mobile elneos cubix 1 The select or pro versions are .

The compact Didactic mobile can be fitted with, for example, a table structure made of wood/laminate or aluminum (see page 111 ff.) as well as a 1- or 2-seater table.
2-row experiment frame (see page 216).

Technical product description:

Didactic-Mobile elneos cubix 2
(only available in select version!)

The large Didactic mobile is already pre-configured (as shown, without equipment / teaching aids). Size incl. 2-row experiment frame (W x D x H): 1,666 x 700 x approx. 2,015 mm. With 4 swivel castors Ø 100 mm, extremely resilient. Two of the castors are lockable. Push handle on the left. Aluminum impact protection edges on the outside of the cabinet.

Structure:
- Left: 4 drawers (4 I 4 I 4 I 7 U)
- Right from top to bottom:
  – 2-row experimental frame with cantilever
  – cubix element: Protrusion all round approx. 50 mm. With 19" receptacle for devices from the *elneos six* and *basic* device series (equipment capacity* 230 HP) and 3 open storage compartments
  – Hinged door cupboard for DIN A4 teaching materials (2x DIN A4)

General information on the decor

Version select Décor 1: *Non-conductive* Fronts: front white Carcass: graphite black **Décor 2:** *Non-conductive* Fronts: front white Carcass: front white

Version per Decor 1: *Non-conductive* Fronts: front white Carcass: front white

Standard version	with select	for pro
Handles	Ergonomic functional handle, W: 300 mm Design follows the shape of the connector	Handle olive with lock
Hinged doors	Fitting technology invisible from the outside, 165° hinges	Visible hardware technology, 270° hinges
Cover plate	19 mm	30 mm
Aluminum impact protection edge	anodized	not available
Outer cabinet sides	graphite black or optionally front white	front white

Didactic-Mobil elneos cubix 1		
	Dekor 1	Dekor 2
❶ elneos cubix select	ELCCS.DM1.1	ELCCS.DM1.2
❷ elneos cubix pro	ELCCP.DM1.1	

Didactic-Mobile elneos cubix 2		
	Didactic-Mobile	
cubix element	Decor 1	Decor 2
Decor 1: graphite black	ELCCS.DM2.1.1	ELCCS.DM2.2.1
Decor 2: front white	ELCCS.DM2.1.2	ELCCS.DM2.2.2
Décor 3: chartreuse green (U19508)	ELCCS.DM2.1.3	ELCCS.DM2.2.3
Decor 4: zinc yellow (RAL1018)	ELCCS.DM2.1.4	ELCCS.DM2.2.4

* Placement capacity in TE/DU (unit of division) 1 TE/DU = 5.08 mm/0.2″

Experimental frame between foot profiles

Figure 1*:
Table example with experiment frame.
The profile heights specified here
(Fig. 1) apply to tables without cable flaps
and without table superstructures
at a table height of 780 mm.

3-row
Height:
1.055 mm / 41.54"   DIN A4

2-row
Height:
720 mm / 28.35"   DIN A4

1 row,
Height:
385 mm / 15.16"   DIN A4

Experiment frame DIN A4

Experiment frames are used to hold DIN A4 experiment boards as well as perforated metal panels and blockboard panels for hanging.

The anodized aluminum H-profiles with integrated brushes are 50 mm high and individually adjustable, so that ER modules from Festo Didactic, for example, can also be fitted.

At least 160 mm
for cable flap

approx. 250 mm/
9.84" for table
structures up
to 3 U

Figure 2*:
Table example with cable flap and a mini-
mum clearance of 160 mm to the experi-
ment frame.
The profile heights specified here (Fig. 2)
apply to tables with a cable flap.

Figure 3:
Table example with horizontal Expand 2
system channel on the tabletop and suffi-
cient space for the experiment frame.

The following applies to tables without cable flaps:

❶ Experimental frame, 1-row
Profile height: 1.200 mm / 47.24"

❷ Experimental frame, 2-row
Profile height: 1.600 mm / 62.99"

❸ Experimental frame, 3-row
Profile height: 1.900 mm / 74.80"

Table example with storage board
and 2-row experiment frame.

Table example with 3U cockpit and
2-row experiment frame.

DIN A4 experiment frame between two aluminum base profiles

The experiment frames are mounted in an ergonomic position using side brackets (200 mm from the rear edge of the table).
Can be combined with cockpits, storage boards, and table superstructures.

Ordering information

When used in conjunction with storage boards and cockpits, the rear foot profiles of the table are extended accordingly.*

* Profile extensions for table example
Figures 1 and 2 in combination with:
– Shelf board + 100 mm
– Cockpit 3 U aluminum + 150 mm
– Cockpit 3 U laminate chipboard + 200 mm
– Cockpit 3 U laminate chipboard inclined + 250 mm
– Cockpit 6U laminate chipboard + 300 mm
– Cockpit 6U laminate chipboard inclined + 350 mm

The following applies to tables with cable flaps:

❶ Experimental frame, 1-row
Profile height: 1.400 mm / 55.12"

❷ Experimental frame, 2-row
Profile height: 1.700 mm / 66.93"

❸ Experimental frame, 3-row
Profile height: 2.000 mm / 78.74"

Ordering information

When used in conjunction with storage boards and cockpits, the rear foot profiles of the table are extended accordingly.*

The following applies to tables with table tops up to 3 U:

❶ Experimental frame, 1-row
Profile height: 1.450 mm / 57.01"

❷ Experimental frame, 2-row
Profile height: 1.750 mm / 68.90"

❸ Experimental frame, 3-row
Profile height: 2.100 mm / 82.68"

Ordering information

The profile heights (Fig. 3) apply to tables with 3 U table tops, Expand 2 horizontal system channels, and tables with swivel tops.
For 6 U table tops, the rear leg profiles of the table are extended by +100 mm.

DIN A4 experiment frame between two aluminum base profiles						
table length	for L-profiles			for Expand 2 profiles		
mm/"	1-row	2-row	3-row	1-row	2-row	3-row
1.200 / 47.24	ELC7.1.1200.1.A	ELC7.1.1200.2.A	ELC7.1.1200.3.A	ELC7.1.1200.1.B	ELC7.1.1200.2.B	ELC7.1.1200.3.B
1.600 / 62.99	ELC7.1.1600.1.A	ELC7.1.1600.2.A	ELC7.1.1600.3.A	ELC7.1.1600.1.B	ELC7.1.1600.2.B	ELC7.1.1600.3.B
1.800 / 70.87	ELC7.1.1800.1.A	ELC7.1.1800.2.A	ELC7.1.1800.3.A	ELC7.1.1800.1.B	ELC7.1.1800.2.B	ELC7.1.1800.3.B
2.000 / 78.74	ELC7.1.2000.1.A	ELC7.1.2000.2.A	ELC7.1.2000.3.A	ELC7.1.2000.1.B	ELC7.1.2000.2.B	ELC7.1.2000.3.B

Movable experimental frame

3

2

1

Clearance 250 mm/ 9.84"

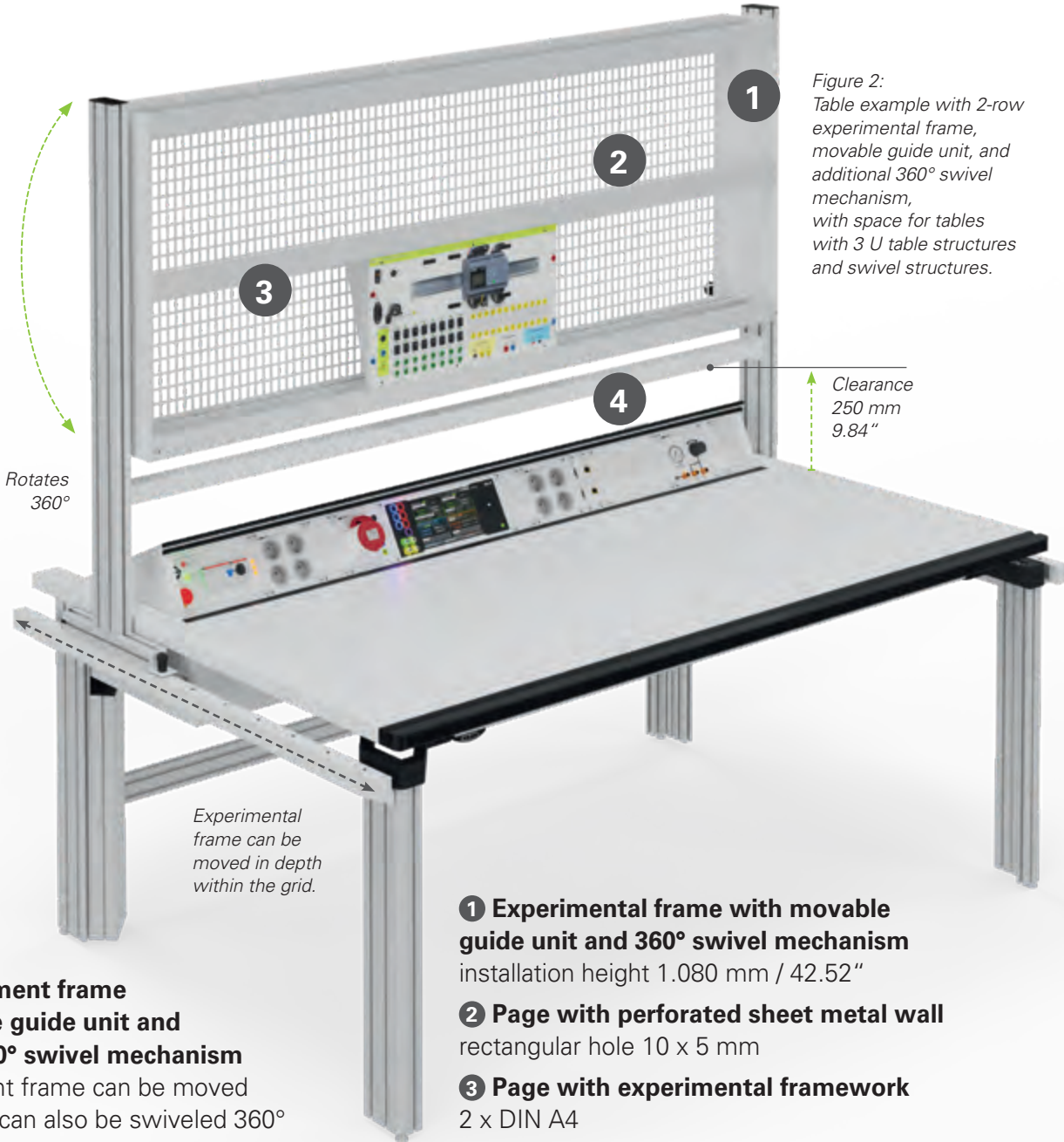*Experimental frame can be moved continuously in depth.*

❶ Experimental frame, 1-row
installation height: 640 mm / 25.20"

❷ Experimental frame, 2-row
installation height: 975 mm / 38.39"

❸ EExperimental frame, 3-row
installation height: 1.310 mm / 51.57"

Experiment frame DIN A4
with continuously adjustable guide unit
H-profiles 50 mm/1.97" high with integrated brush between two vertical steel profiles.
The experiment frame can be moved continuously in depth and is fixed in place using knurled screws.
The guide unit consists of two guide rails including guide carriages (high-quality ball bearing guide).

The guide unit must be ordered separately for each table!

Figure 1:
Table example with experimental frame and professional guide unit, with space for table assemblies and swivel assemblies.

Guide unit infinitely adjustable*	
table depth	
850 mm / 33.46"	ELC7.4.085
1.000 mm / 39.37"	ELC7.4.100
1.150 mm / 45.28"	ELC7.4.120

A4 movable experiment frame			
table length mm/"	1-rows	2-rows	3-rows
1.200/47.24	ELC7.4.1200.1	ELC7.4.1200.2	ELC7.4.1200.3
1.600/62.99	ELC7.4.1600.1	ELC7.4.1600.2	ELC7.4.1600.3
1.800/70.87	ELC7.4.1800.1	ELC7.4.1800.2	ELC7.4.1800.3
2.000/78.74	ELC7.4.2000.1	ELC7.4.2000.2	ELC7.4.2000.3

* Note: The guide unit increases the table width by 70 mm!

Swivel/movable experimental frame

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Figure 2:
Table example with 2-row experimental frame, movable guide unit, and additional 360° swivel mechanism, with space for tables with 3 U table structures and swivel structures.

1

2

3

4

Rotates 360°

Clearance 250 mm 9.84"

Experimental frame can be moved in depth within the grid.

2-row experiment frame
with movable guide unit and
additional 360° swivel mechanism
The experiment frame can be moved horizontally. It can also be swiveled 360° around its own axis, allowing both the front and rear sides of the experiment frame to be used. The front can be equipped with DINA4 teaching materials, for example, while the rear can be equipped with a perforated grid for wiring work. This allows different laboratory experiments to be called up in seconds without any setup time.

Both the ergonomically optimal working position and the desired side of the frame can be conveniently and securely adjusted by one person in a very short time using quick-release fasteners. High-quality quick-release fasteners guarantee secure positioning and locking in the desired positions.

❶ Experimental frame with movable guide unit and 360° swivel mechanism
installation height 1.080 mm / 42.52"

❷ Page with perforated sheet metal wall
rectangular hole 10 x 5 mm

❸ Page with experimental framework
2 x DIN A4

❹ stiffening frame

Guide unit movable in grid pattern	
table depth	
850 mm / 33.46"	ELC7.5.085
1.000 mm / 39.37"	ELC7.5.100
1.150 mm / 45.28"	ELC7.5.120

Experiment frame DIN A4, swiveling/movable	
table length	2-rows
1.200 mm / 47.24"	ELC7.5.1200
1.600 mm / 62.99"	ELC7.5.1600
1.800 mm / 70.87"	ELC7.5.1800
2.000 mm / 78.74"	ELC7.5.2000

* Note: The guide unit increases the table width by 70 mm!

Experiment frame on tabletop/setup

Accessories for experimental frames

Figure 2:
Experimental setup on tabletop, without free space.

Option:
Monitor swivel arm

Option:
PC mount

Figure 1:
Table example with experimental frame on table structure, without free space.

Figure 3:
Experimental frame on the tabletop, with space for tabletop assemblies and swivel assemblies.

Clearance 250 mm/ 9.84"
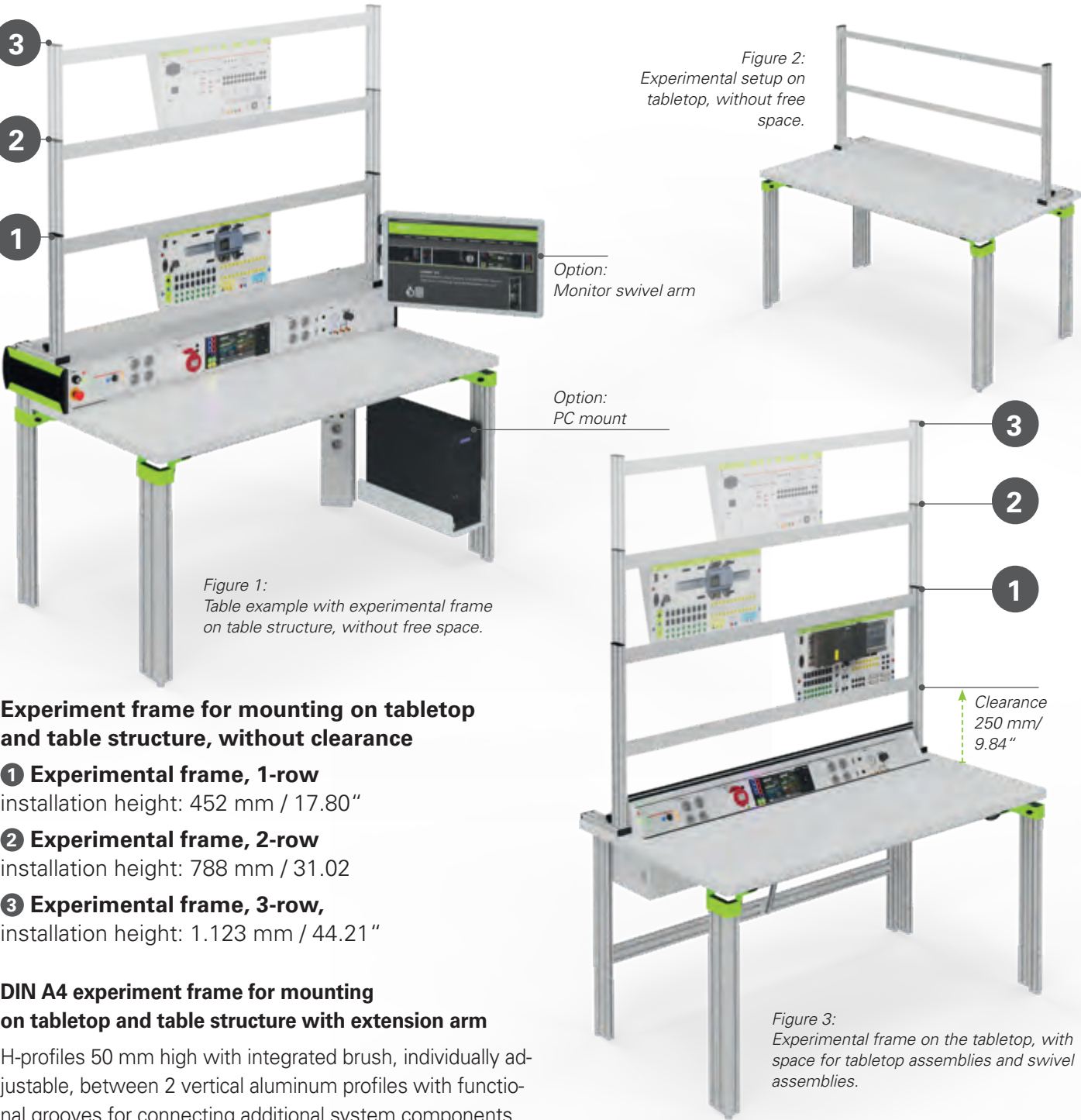
Experiment frame for mounting on tabletop and table structure, without clearance

❶ Experimental frame, 1-row
installation height: 452 mm / 17.80"

❷ Experimental frame, 2-row
installation height: 788 mm / 31.02

❸ Experimental frame, 3-row,
installation height: 1.123 mm / 44.21"

DIN A4 experiment frame for mounting on tabletop and table structure with extension arm

H-profiles 50 mm high with integrated brush, individually adjustable, between 2 vertical aluminum profiles with functional grooves for connecting additional system components.

Experiment frame DIN A4 on tabletop/table setup		
table length mm/"	Experiment frame with extension arm, without clearance	Experiment frame with arm, with 250 mm clearance
1.200/47.24	ELC7.2.1200.x	ELC7.3.1200.x
1.600/62.99	ELC7.2.1600.x	ELC7.3.1600.x
1.800/70.87	ELC7.2.1800.x	ELC7.3.1800.x
2.000/78.74	ELC7.2.2000.x	ELC7.3.2000.x
Optionally available with additional holes in the tabletop for repositioning the experiment frame. **Order no.:** ELC7.B		

Experiment frame for mounting on tabletop, with free space

❶ Experimental frame, 1-row installation h: 660 mm / 25.60"

❷ Experimental frame, 2-row installation h: 995 mm / 39.17"

❸ Experimental frame, 3-row installation h: 1.330 mm / 52.36"

Ordering information
Please replace the "x" with 1, 2, or 3! 1 = 1-row, 2 = 2-row, 3 = 3-row experimental frame

Accessories for experimental frames

There are numerous accessories available for experimental frames. Profile plates, perforated plates, or blockboard panels for hanging. A socket strip with

❶ Socket strip

❷ Profile plate for hanging

❸ Perforated sheet 1 x DIN A4 for insertion between two H-profiles

❹ Perforated sheet over 2 x DIN A4 for hanging, fixed with knurled screw

5 rows of 4 mm safety laboratory sockets, L1, L2, L3, N, and PE, or perforated plates for plugging in. The individual items are explained on the following page.

Accessories for experimental frames

❶ Socket strip for experimental frame

5 rows with 4 mm safety laboratory sockets, L1, L2, L3, N, and PE. Completely pre-wired. Can be used for clear wiring of assembled experiments or as a power strip. Size (D x H) 50 x 90 mm

Socket strip for experimental frame		
table length	Number of sockets/row	Order no.
1.200 mm / 47.24"	5	ELC.Z4.1200
1.600 mm / 62.99"	7	ELC.Z4.1600
1.800 mm / 70.87"	8	ELC.Z4.1800
2.000 mm / 78.74"	9	ELC.Z4.2000

❷ Profile plates

Aluminum profile plate with 50 mm grid dimension, anodized. Grooves on front and back for use on both sides. Suspension for vertical or inclined use. A metal rod with a suspension adapter is used for vertical and inclined use of the profile plate. In the slanted position, the panel rests on the table. In the vertical position, the profile panel is held at the bottom by a swivel support on the system carrier. Two rubber feet are used for support in the slanted position, and four additional rubber feet are attached so that the profile panel can also lie flat on the table. Size (W x H): 700 x 700 mm / 27.56 x 27.56".

profile plate		
Execution	Size	Order no.
for hanging	700 x 700 mm 27.56 x 27.56 "	ELC.Z5.H
for clamping between tabletop and ER frame		ELC.Z5.K
between the foot profiles as a rail	ca. 1470 x 150 mm	ELC.Z5.S
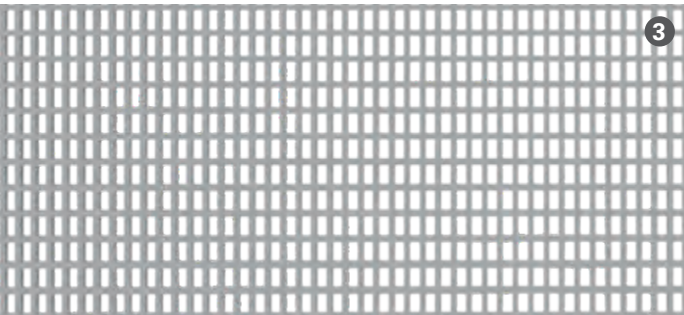
Perforated sheets DIN A4 with rectangular holes for insertion into single-row experiment frames	
900 x 297 mm 35.43 x 11.69"	ELC.Z1.A4

❹ Perforated metal sheets/blockboard panels for hanging in 2-row experiment frames

Includes high-quality locking mechanism for securing the perforated metal sheet and blockboard panel in the 2-row experiment frame. Secure fastening with locking knob.

The perforated metal sheets are available with rectangular or oval perforations.
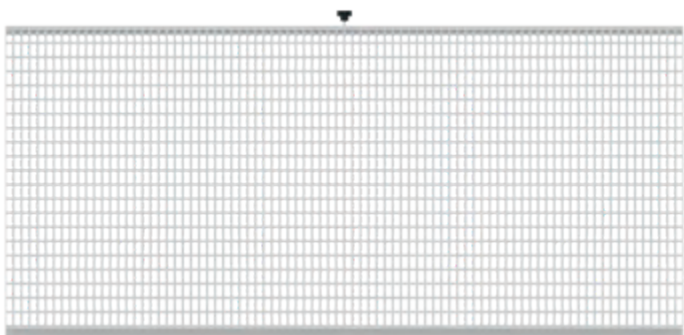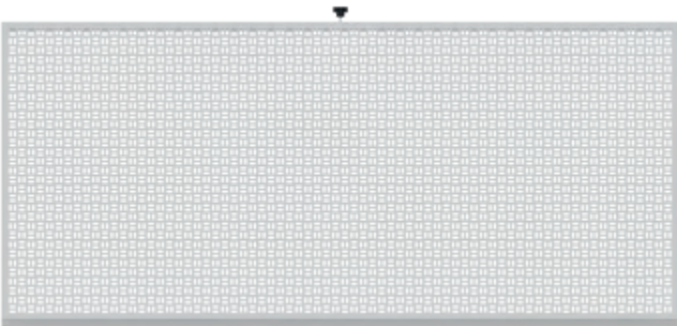
Perforated plates/blockboard panels for hanging in 2-row experimental frames			
Perforated sheets/blockboard Size (2x DIN A4)	Rectangular hole pattern 10 x 5 mm	Oval hole 14 x 5 mm	blockboard
656 x 672 mm / 26.46 x 25.83"	ELC.Z1.066	ELC.Z2.066	ELC.Z3.066
856 x 672 mm / 33.70 x 25.83"	ELC.Z1.086	ELC.Z2.086	ELC.Z3.086
1.056 x 672 mm / 41.57 x 25.83"	ELC.Z1.106	ELC.Z2.106	ELC.Z3.106
1.256 x 672 mm / 49.45 x 25.83"	ELC.Z1.126	ELC.Z2.126	ELC.Z3.126
1.456 x 672 mm / 57.32 x 25.83"	ELC.Z1.146	ELC.Z2.146	ELC.Z3.146
1.656 x 672 mm / 65.20 x 25.83"	ELC.Z1.166	ELC.Z2.166	ELC.Z3.166
1.856 x 672 mm / 73.07 x 25.83"	ELC.Z1.186	ELC.Z2.186	ELC.Z3.186

Other perforated sheet sizes available on request.

Mounting kit for perforated sheet metal walls

One kit contains: 100 special plastic dowels
25 Spax screws 3.5 x 12 mm
50 Spax screws 3.5 x 20 mm
25 Spax screws 3.5 x 30 mm

Order no. for rectangular perforations: ELC.Z4.010
Order no. for oval perforations: ELC.Z4.020

Storage rack for perforated metal panels and blockboard panels

Sturdy steel frame. Wooden shelves with slots for inserting 18 panels. Spacers at the top for stability. Dimensions (W x H x D): 1436 x 880 x 860 mm

Order no.: ELC.Z5

Accessories for experimental frames

measuring cable trolley

Parking position for experiment frames

The laboratory tables can be equipped with an additional parking position for experiment frames at the rear of the table. For 2-row experiment frames, an extended or additional foot profile must be taken into account, depending on the height of the experiment frame!

The experiment frames can be hooked in and fixed in place using knurled screws. This ensures a clear view during theory lessons.

Parking position for experimental frame behind the table	
for 1-row experimental frames	ELC.Z.PP1
for 2-row experimental frames	ELC.Z.PP2

Technical product description:

Measuring cable trolley

Sturdy welded base frame with 4 swivel casters, Ø 75 mm, 2 of which are lockable.
Dimensions (W x D x H):
860 x 590 x 1200 or 1500 mm
33.86 x 23.23 x 47.24 or 59.01″.
There are 3 versions, each with 2 different frame heights.

Measuring cable trolley version 1

Mounting plate with Ø 7,9 mm holes, for holding 66 laboratory cables per side.

Measuring cable trolley, version 2

Front mounting rail equipped with:
1 laboratory cord holder with 21 carrying elements, 300 mm long, 1 hose holder

Rear mounting rail equipped with:
1 laboratory cord holder with 21 carrying elements, 300 mm long, 1 storage tray, size: 350 x 125 mm

Measuring cable trolley, version 3

Mounting plate with 5 measuring cable holders per side. Each measuring cable holder can hold up to 28 laboratory cables. A total of up to 280 laboratory cables per measuring cable trolley.

The measuring cable holders are brown and black (L1, L2, L3), yellow (PE), blue (–), and red (+) for optimal cable sorting.

measurement cable trolley			
frame height mm/″	**Version 1:** Mounting plate with holes	**Version 2:** 2 laboratory cord holders, 1 hose holder, 1 storage plate	**Version 3:** Mounting plate with 5 measuring cable holders per side
1.200 / 47.24″	ELCM.8512.1	ELCM.8512.2	ELCM.8512.3
1.500 / 59.06″	ELCM.8515.1	ELCM.8515.2	ELCM.8515.3

erfi

elneos® learn cubix

The new learning islands for practical lessons.

Structure of the learn cubix

With the *elneos learn cubix, erfi* defines a new milestone in the field of **technical laboratory equipment**. The training device has outstanding product features and the contemporary design offers decisive advantages for users.

elneos® learn cubix learning island
1. Perforated panel for hanging
2. Internal perforated metal doors to unfold
3. Five H-rails on the inside
4. Compartment for DIN A4 teaching materials covered with grooved mats
5. power dome incl. device equipment (*elneos six compact* optional)
6. Lockable double castors
7. Sturdy frame made of 40/40 heavy-duty aluminum profiles
8. Blockboard for hanging
9. Hook-in aluminum profile plate for *Festo* pneumatic components
10. DIN A4 teaching material holder
11. *Festo Didactic SE* ER modules
12. Outer door with H-rails
13. Indication light (series)
14. Pivoting RGB LED task light (optional)

elneos® learn cubix Power-Dom (lower section)
• Fixed voltage source DC fixed voltage 24 V / max. 3 A
• Compressed air outlet, make *Festo* with inlet pressure = outlet pressure with max. 16 bar, outlet 1 coupling socket DN 7.2 self-adjusting
• 4 socket outlets with earthing contact, 230 V / 16 A
• 2 RJ 45 sockets, Cat. 6, for patching
• 5 safety laboratory sockets L1, L2, L3, N, PE 400 / 230 V, max. 16 A per phase and 1 5-pin CEE socket outlet, 400 / 230 V, max. 16 A per phase

elneos® learn cubix Power-Dom (upper area) On all 4 sides with the following equipment:
• 3 POAG earthing studs
• Safety and switching unit with MS 10-16 A with US release on one side,
NFI switch type B, 30 mA, I_{rated} 25 A, emergency stop button with 2nd NC contact and 3 phase indicator lamps.
• With emergency stop button on all other sides.

elneos® six compact Control center in the power dome The optional control center is used to accommodate power supply units, digital multimeters and function generators. Exemplary assembly:
• Control center, order no. EL6.1.C
• DC regulating power supply 0–32 V / 0-2 A, 64 W, order no. EL6.LDC.032.02
• Power and energy meter incl. digital multimeter, order no. EL6.P
• Function generator, order no. EL6.F
Further information in the new *elneos six* appliance series general catalog, pages 12-13, 93, 139 -157.

The use of the Power Dome (extruded aluminum profile) is also available with external doors in the closed state guaranteed. Mains, data and compressed air lines can be are routed separately in the power dome. The assembly with the *acto* device series (*erfi instruments* catalog from page 56) is variable on request.

Note: Power-Dom front in elneos green special equipment (RAL DESIGN 1107070), standard equipment anodized aluminum.

Training with elneos® learn cubix

The *elneos learn cubix* concept enables all the advantages of practical teaching in training and the learning islands offer absolute flexibility and mobility.

Land use

- Optimum use of space thanks to fully utilized installation height and no loss of installation space due to energy attachments.

Vertical power dome

- A comprehensive power dome with equipment is available for each side. This includes a safety device, earthing bolt, 24 V DC supply, compressed air connection, 4 protective contact sockets, 5 safety laboratory sockets and 1 CEE socket, 2 x RJ 45 sockets as well as a reserve for further equipment.

Handling

- Perfect and easy handling thanks to weight-optimized overall aluminium construction (no steel construction).

Perfect connection options

- Highly flexible connection of additional components such as swivel arms, cable holders and much more thanks to 40/40 aluminum profiles with functional grooves.

Intelligent organization system

- Integrated A4 teaching material compartment on each side for storing the A4 teaching boards.

High security

- Indication light for displaying the different statuses in different color coding.

Flexibility

- Flexible expansion thanks to five different freely selectable door variants on each side.
- Free function due to easily movable H-profiles for use with DIN A4 teaching panels, ER modules from *Festo Didactic SE*, aluminum profile plates for *Festo* pneumatic components.
- The doors can be fitted with either perforated metal grilles or blockboards.
- The basic model can also be used without external doors.
- Even when closed, all functional elements are always accessible.
- The internal perforated metal panel can also be opened to allow further applications.

Safe stand

- High-quality double castors with locking function.
- Sturdy door construction with support from additional pedestal elements.

Lighting concept

- Flush-mounted integrated RGB LED workstation light (optional) with sensor control.

Intelligent and remote controllable

- Can be integrated into *highlink Power* room planning software, allowing voltage levels and devices to be controlled remotely.
- Can also be ideally combined with the *Festo Didactic SE* software packages.

learn cubix basic elements

The *elneos learn cubix* is a highly flexible solution for modern practical teaching and can be used immediately at any location. The modern aluminum construction has significantly reduced the weight, making it easy to handle.

Situational utilization concept

Flexible and mobile use is the strength of the new learning islands. Up to two people can work on each side, with different configurations. In addition, the power dome can also be fully used when the outer doors are closed.

Sizes

Without outer doors: 910 x 910 x 1990 mm
With outer doors: approx. 970 x 970 x 1990 mm
Outer doors open: approx. 2510 x 2510 x 1990 mm

Basic equipment

• Mobile body made of 40/40 aluminum profiles
• 4 lockable double castors with total brakes for immovable positioning
• 4 workstations (pages) for 1 to 2 pupils each

Note: The *elneos learn cubix* can be integrated into the *highlink Power* room control software (see from page 178).

13).
The learning island can also be supplied without an interior cabinet and without a power dome.

Equipment per page

• 1 compartment fitted with grooved mats for A4 teaching aids (size W x H x D approx. 530 x 302 x 550 mm)
• 5 adjustable H-rails for holding teaching aids such as DIN A4 boards, *Festo Didactic SE* ER components or aluminum profile plates for *Festo* pneumatic components.
• 1 equipped power dome with insert plates (see page 225) standard. Anodized aluminium, *elneos six compact* optional. Including 2 switches, 1 x for the house network and 1 x for the erfi laboratory network.
◄ Indication light with status display (standard)

Options

• Pivoting RGB LED task light, integrated flush into the Toplight profile
• 4 internal, hinged perforated metal doors, 10 x 5 mm perforation
• 4 hinged outer doors in various designs, depending on the training group (H-rails, perforated plate, blockboard, etc.). Can be locked at 90° and 135° angles, can be used on both sides. All doors with earthing socket on both sides.

Basic equipment with perforated sheet metal doors inside*

Basic equipment

Indication light and optional task light

The indication light (in the basic version) and the swivel-mounted RGB LED work light (optional) are integrated flush into the Toplight aluminum profile. The Toplight aluminum profile also acts as impact protection.

Indication light (basic equipment)

The indication light is used for signal indication. Flowing color transitions and flashing functions indicate different states. This signaling is particularly important in training. Exemplary switching states:
green= Low voltage
yellow= Low and extra-low voltage 230 V
red = Low and extra-low voltage 230 V / 400 V

RGB LED workstation lighting (optional)

• High-performance RGB LEDs and white premium LEDs
• Contactless sensors for dimming and light color
• Integrated flush in the Toplight profile
• Pivotable and no additional installation height
• colorfast, color rendering RA> 85 %
• Glare-free, reflection-free and shadow-free working
• Light color 4500 K
• Beam angle 120°

: Toplight aluminum : profile

Indication light

: RGB LED task light, swivel-: mounted
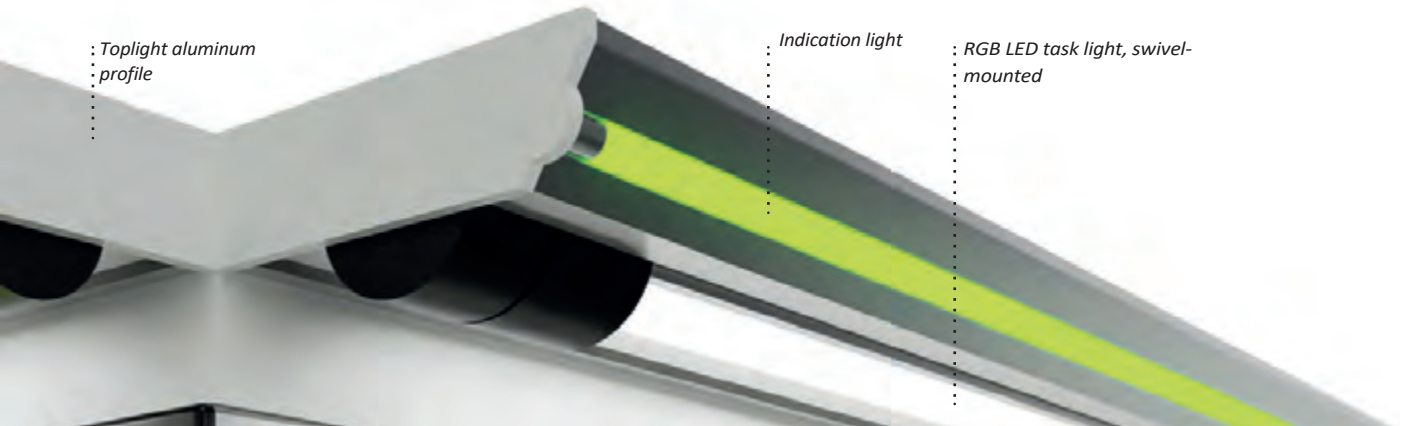
elneos® learn cubix - Basic elements		
Basic equipment	**Size (WxDxH) mm**	**Order no.**
elneos learn cubix basic equipment, including 2 switches: Switch 1 house network, Switch 2 erfi laboratory network for remote control (1 RJ 45 connection on all 4 sides for each network)	910 x 910 x 1990	ELCLC.B1
Mains connection top		ELCLC.NAO
Mains connection at the bottom		ELCLC.NAU
Special equipment	**Size (WxDxH) mm**	**Order no.**
Special equipment Power dome front in elneos green, (RAL DESIGN 1107070)		ELCLC.AG
Special equipment Power Dome front in blue, (NCS color system S 1565-B)		ELCLC.AB
4 RGB LED workstation lights, swivel-mounted	over entire width	ELCLC.APL
4 perforated sheet metal doors on the inside, rectangular perforations 10 x 5 mm	580 x 10 x 1765	ELCLC.IT1
Energy attachment as an alternative to the power dome with identical equipment	770 x 770 x 183 (3 U)	ELCLC.EA

* Power dome front in blue as optional extra.   Note: Power Dom front available in other colors upon request. All perforated metal walls are electro-galvanized.

learn cubix aluminum exterior doors

The external doors are very flexible and can be quickly adapted to the respective teaching requirements. All doors can be locked at 90° and 135° angles and can be used on one or both sides. When opened, the learning island offers four workstations for 1 to 2 people each. The doors are available in different versions depending on the training area.

Door at 135° angle locked

Door closed

Door locked at a 90° anale

Door half open

All doors closed*

970 mm

970 mm

2510 mm

All doors in the 90° angle locked

2510 mm

* Note: For external doors with H-rails, the dimension increases to 1002 x 1002 mm closed.
However, the rails are removable.
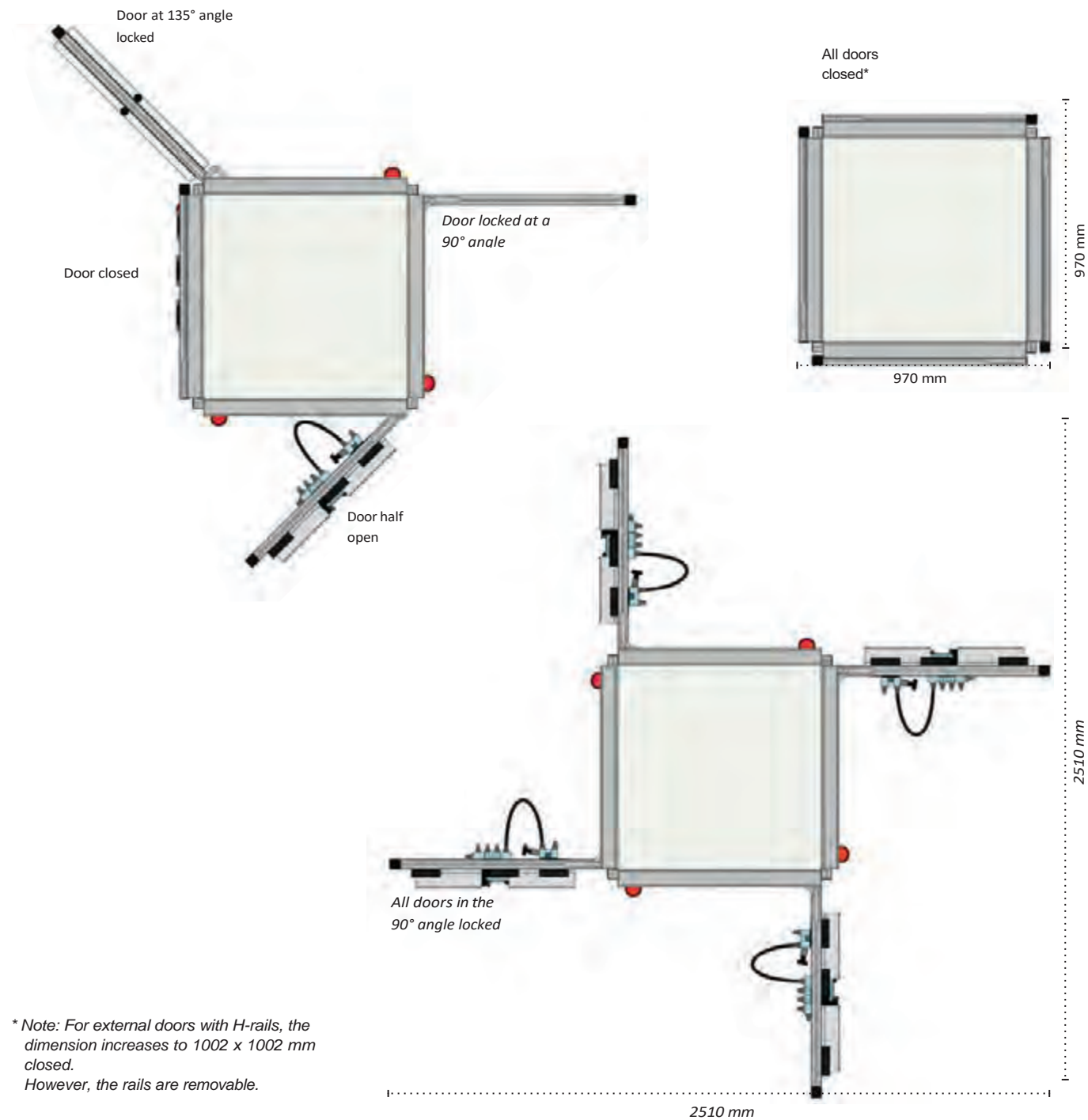
Equipment example with doors

The *elneos learn cubix* shown here has the basic equipment with internal perforated metal doors, LED light and external doors with 5 H-rails. The front of the power dome shows a special finish in elneos green (RAL DESIGN 1107070).

The aluminium surface is anodized as standard. The *elneos six compact* control center was installed here as an option.
Further information on the new *elneos six* appliance series can be found in the *elneos six* general catalog on pages 12-13, 93 and 139 - 157.

learn cubix aluminum exterior doors

The outer doors of the learning islands can be fitted in different ways.
Depending on the design, you can use the different sizes of learning aids and
combine them with the accessories.

Exterior doors version 1

4 outer doors with 5 H-rails, intermediate, adjustable. This door is very flexible and
can be used to hold DIN A4 teaching aids, *Festo Didactic SE* ER modules and
aluminum profile plates for *Festo* pneumatic components.
Order no. ELCLC.AT1
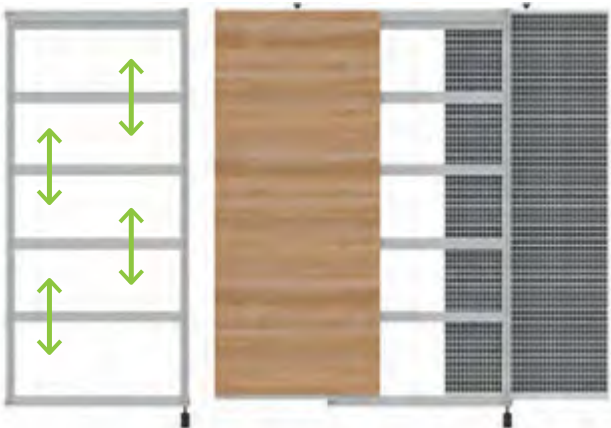
Exterior doors version 2 (combination of 1 & 4)

4 outer doors with 5 H-rails, intermediate, adjustable and with
2 additional H-rails at the top and bottom on one side for
hanging perforated sheets or blockboards. **Order no.
ELCLC.AT2**

Exterior doors version 3 (combination of 1 & 5)

4 outer doors with 5 H-rails, intermediate, adjustable and on
both sides with 2 further H-rails each at the top and bottom for
hanging perforated sheets or blockboards. **Order no.
ELCLC.AT3**

Exterior doors version 4

4 external doors with 2 H-rails on one side at the top and
at the bottom for hanging perforated sheets or blockboards.
Order no. ELCLC.AT4

Exterior doors version 5

4 outer doors with 2 H-rails at the top and bottom on both
sides for hanging perforated sheets or blockboards. **Order
no. ELCLC.AT5**

Outer door with 5 H-rails for holding e.g. Festo Didactic SE ER components, DIN A4 teaching aids and an aluminum profile plate for Festo pneumatic components

Outer door with perforated plate, rectangular perforation

Outer door with perforated plate, oval perforation

Exterior door with blockboard

H-rail on both sides

H-rail one-sided

elneos® learn cubix - aluminum exterior doors (optional)		
Version 1	**Size (WxDxH) mm**	**Order no.**
4 outer doors with 5 H-rails, adjustable	810 x 40 x 1945	ELCLC.AT1
Version 2		
4 outer doors with 5 H-rails, adjustable and with 2 additional H-rails at the top and bottom on one side for hanging perforated sheets/joiner panels	810 x 56 x 1945	ELCLC.AT2
Execution 3		
4 outer doors with 5 H-rails, adjustable and with 2 additional H-rails at the top and bottom on both sides for hanging perforated panels/carpentry boards	810 x 72 x 1945	ELCLC.AT3
Execution 4		
4 outer doors with 2 H-rails on one side at the top and bottom for hanging perforated sheets/joiner panels	810 x 56 x 1945	ELCLC.AT4
Version 5		
4 outer doors with 2 H-rails on both sides at the top and bottom for hanging perforated sheets/joiner panels	810 x 72 x 1945	ELCLC.AT5

learn cubix accessories

Choose the wall version of the learning islands as required. The accessories can be easily integrated into the door frames.

Monitor swivel arm

Tablet holder
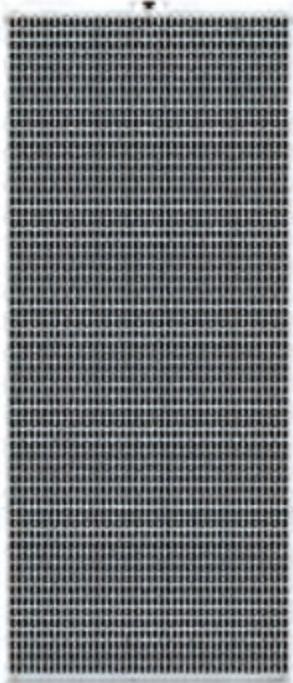
Perforated plate rectangular perforation
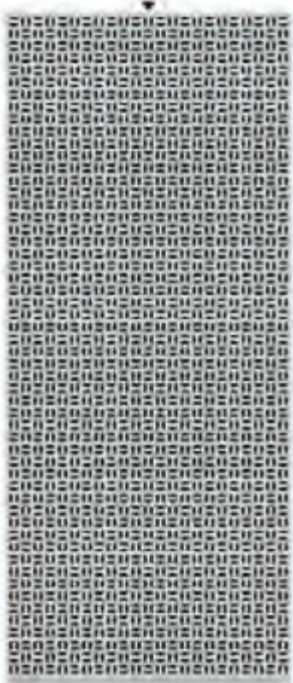
Perforated plate oval perforation

Wood blockboard

Aluminum profile plate, Can be used on both sides 700 x 700 mm.

Suitable for mounting Festo pneumatic components.

Joiner's square, 250 mm (Fig. similar)

elneos® learn cubix - Accessories		
Wall version	**Size (WxDxH) mm**	**Order no.**
1 perforated panel with rectangular perforations, 10 x 5 mm, for hanging	730 x 30 x 1800	ELCLC.Z1
1 perforated panel, oval perforation, 14 x 5 mm, for hanging	730 x 30 x 1800	ELCLC.Z2
1 blockboard for hanging	730 x 30 x 1800	ELCLC.Z3
1 aluminum profile panel 700 mm x700 mm	700 x 30 x 700	ELCLC.Z4
Add-ons		**Order no.**
1 Joiner's square	250 mm	ELCLC.Z5
Monitor swivel arm		ELCLC.Z6
Tablet holder		ELCLC.Z7
Fixing kits for perforated sheet walls	**Order no. Rectangular perforation 10 x 5 mm**	**Order no. Oval perforation 14 x 5 mm**
1 set contains:	ELCLC.Z8	ELCLC.Z9
– 100 special plastic dowels		
– 25 Spax screws 3.5 x 12 mm		
– 50 Spax screws 3.5 x 20 mm		
– 25 Spax screws 3.5 x 30 mm		

Note: Perforated sheet metal walls are electro-galvanized. Additional perforations, selection options, and combinations are available upon request.

elneos® assembly world

fluid workflow

erfi

Assembly and testing from a single source

Software-controlled assembly workstations with the AWM assembly software [1]
(Assembly Workflow Management)

1. Software-controlled ESD assembly workstation elneos® connect
Equipment highlights

- *elneos fix* transfer system with ball roller conveyor
- Electromotive height adjustment for feed table, assembly table and at the same time completely height-adjustable test components
- Ergonomically curved worktop with laser edge
- equipped with the *AWM* software [1]

2. ESD test workstation elneos® connect with VDE test system CANclass®
Equipment highlights

- Test cabin with *CANclass* Compact Tester for checking electrical safety and function [2] including *Candy* test software
- RGB indication light on top of test cabin for good / bad indication
- QR code scanner included

3. ESD assembly workstation elneos® connect with elneos® Orgatower
Highlights of the equipment

- Extendable material trays
- Perforated metal panel above and below the table top
- *elneos Orgatower* extendable with drawers and pull-out shelf for integrating measurement technology

Further features

- Mounting bracket with rail and trolley
- Partially tilting shelves
- Aluminum profile with screen holder and PC
- RGB LED light with BT and HCL function
- RGB indication light on the shelf
- Mobile pedestals with bow handles and Smart-Close

Further features

- Worktop ergo-line (corner radius 20 mm, laser edge)
- Storage shelf with lockable cable drawer
- Aluminum profile with screen holder and all-in-one PC
- Integrated RGB LED light with BT and HCL function
- equipped with the *AWM'* software
- RGB indication light on the bottom edge of the cable drawer

Assembly and testing from a single source

1. ESD test workstation elneos® connect with VDE test system CANclass®
Equipment highlights

- Test cabin with *CANclass* Compact Tester for electrical safety and function [2]
  including *Candy* testing software

- RGB indication light on top of test cabin for good / bad indication

- QR code scanner included

- Electromotive height adjustment synchronized with the ESD assembly workstation

2. Software-controlled ESD assembly workstation elneos® connect
Highlights of the equipment

- *elneos fix* transfer system with ball roller conveyor and workpiece carriers

- Electromotive height adjustment synchronized with the ESD test workstation

- equipped with the *AWM* software [1]

- Tool tray that can be moved under the tabletop at the front

Further features

- Mounting bracket with rail and trolley and pendant train light

- Partially tilting shelves

- Aluminum profile with screen holder and PC

- Front table edge with new alu-line tech edge and comprehensive laser edge

- RGB LED light with BT and HCL function

- Roll container with touch-to-open technology and smart close, locking via BT

- Pull-out material trays

- Perforated sheet wall

AWM assembly software

As a modern worker assistance solution, the *AWM* assembly software supports sequential work steps via image and video. Ideal for complex

and simple production steps in the learning phase as well as for permanent quality control in the value creation process.

Pick and place
This feature is a graphical and image-based process. The user is informed about the respective component on the left-hand side of the screen and the material tray in which the component is located is displayed. On the right-hand side, the assembly step is explained graphically using digital photos. Written assembly instructions complete the assembly process. The parts list can be displayed in parallel.

- Component representation and assembly process representation using images, PDFs, technical drawings in various formats and movies in various formats
- Automatic start via barcode and 2D matrix code
- Scanner function to automatically call up the work plan
- Printer function for statistics and results reports
- Label printing for product labeling

Interfaces
The software runs on all tablets, regardless of the operating system.

Professional sequencer
The sequencer allows the individual work steps (from simple to complex) to be called up and processed step by step.

- Control of the sequencer via a foot pedal, alternatively via swipe gestures on the tablet

Traceability and profiles
It is possible to track who processed, tested and commissioned which and when. This secures your processes and ensures maximum safety at all levels, which you can prove at any time.

- Central management in an SQL database for user data, work plans and the results of the operations performed, measured values if available
- Integrated, useful time recording for post-calculations
- 100% tracking through product lifecycle monitoring
- Statistical functions for assembly time evaluation and for quality assurance in the event of user queries, including remote access for support and remote access to remote production sites
- Worker interaction for image and video at instal. WebCams
- Free text input for feedback and production optimization
- Multiple Choice
- digital signatures
- User management with different authorization levels (worker, QA level, AL, PL, ...)
- Authorization management for "Work plan generator", "Sequencer", "Statistics" and "User administration"
- Options for unlimited and modular expandability:
  Depending on requirements and desired performance, extensive options, e.g. for hardware integration and multilingualism, can be integrated at a later date (see optional extensions).

Flexible work plan generator
The plan generator is used for the independent creation, modification and management of work plans, including the parts list integrator in the SQL database.

- Unlimited operations for complex products
- Free formulation of questions for zero error strategy
- Free user instructions for clear, structured and mandatory workflows
- Language-independent assembly instructions enable consistent internationalization

- Freely formulated questions for worker self-checks can be freely entered in the work planner and must be answered by the worker in the sequencer with YES or NO. Images, PDFs, drawings and films can also be integrated.
- User instructions for the worker control can be freely entered in the work plan generator. These are confirmed by the worker in the sequencer. Images, PDFs, drawings and films can be integrated.

Basic package assembly software AWM
AWM (Assembly Workflow Management) for PCs, tablets and smartphone applications
Order no.: AWM001

Invest in process optimization

Workflow and image-based representation of the work step

By making a sensible and well-considered investment, you can achieve sustainable efficiency, especially in production management. With the AWM software, you can achieve an immediate improvement in the value chain and achieve long-term efficiency.

Basic system for an efficient result

Without a high investment in hardware, you achieve immediate production progress. Extensive functions are already included in the basic package so that you can quickly get started with paperless production.

- Uniquely scalable worker assistance package in hardware and software.
- Ideal connection of the *CANDY Power* testing software and the *highlink Power* room control software via the SQL database.
- Complete CAQ system that documents all processes transparently and securely.
- Always up-to-date work schedules at all workstations, regardless of language, location and qualification.
- Increasing productivity in the value chain through graphical process support.
- Excel and other tools for a quick project start.

Effects of the AWM system:

- Increase process reliability by up to 80%
- Productivity increase of up to 20%
- Reduction of documentation requirements by up to 90%

- Local parallel storage of all data for backup in the event of a fault.
- From manual to semi-automatic paperless production in the shortest possible time, without changing systems and at the lowest possible cost.
- Employees become experienced without high expenditure.
- Statistics with live monitoring on dashboard for:
  – Completed orders
  – Defective products
  – Time evaluation
  – Evaluation of the questionnaires
  – Retrieve error images, and much more.

By carefully observing the work routines in the next step, you will recognize new possibilities. Desired features can be modularly can be expanded with hardware and additional software functions. The basic AWM system is inexpensive to get started with and avoids complex peripherals such as projectors, camera systems or pick-by-light systems.

Useful options

Expand your basic *AWM* production and assembly software system step by step in order to support employees in their routines and enable long-term efficiency.

- Ideal coupling to *CANDY Power* and *highlink Power* software packages (optional).
- Production data, test data and development data in one database, centrally managed and accessible at any time (optional).
- Connection to existing ERP systems (optional).
- Integration of language package to integrate foreign-language employees (optional).
- Any tools, camera and robot systems can be integrated (optional).
- Pick-by-light system can be integrated (optional).
- TAW function for parts presence check (option).

Optional additions to the AWM basic version

elneos workstation system® connect
Ideal with the *elneos connect* workstation system Basic assembly table 1.60 x 0.85 x 0.78 m (W x D x H) can be added. **Order no.: AWM.002**

Interface to the room software highlink® Power
Development has access to production data. This connection is planned and defined on a case-by-case basis. **Order no.: AWM.003**

Interface to the CANDY Power testing software
Testing and assembly from a single source. The test results from the area of electrical safety and function testing are stored together with the production data in a central SQL database. This connection is pro- jected and defined with you on a case-by-case basis. **Order no.: AWM.004**

Pick-by-light
An LED light strip system on the respective material trays indicates the correct material assigned to each work step to the worker. This connection is planned and defined with you on a case-by-case basis. **Order no.: AWM.005**

ERP-ready interface

For direct connection to ERP systems such as SAP or others. The ERP-ready interface includes the information used to start the appropriate work plan and the data to be reported back to the ERP system. Simple connection to ERP orders and linking to work plans. This connection is planned and defined with you on a case-by-case basis.
Order no.: AWM.006

Feedback through camera monitoring

Supplementary camera system for monitoring access to the material shell. This connection is planned and defined with you on a case-by-case basis.
Order no.: AWM.007

Integration of intelligent tool systems This module allows the integration of intelligent tools such as screwdriving systems with torque monitoring and positioning. In individual cases, this connection is planned and defined with you. **Order no.: AWM.008**

Connection to robot systems

Integration and control of robot systems for semi-automated processes in which humans still have to perform manual operations. This connection is planned and defined on a case-by-case basis. **Order no.: AWM.009**

TAW Parts presence

Through scanning processes or direct ERP information, the intelligent workstation knows that all parts are present. This module prevents production from starting if not all parts are present. This connection is planned and defined with you on a case-by-case basis.
Order no.: AWM.010

Language package

Enables the management of work plans in different national languages, so that the foreign-language worker is conveniently supported.
Order no.: AWM.011

erfi

Mounting brackets and accessories

Universal mounting arm
For mounting workstation lights, running rails, and universal compressed air supply strips.
Infinitely adjustable in height.

Running rail with tool trolley
For mounting balancers for compressed air and electric tools.
Infinitely adjustable in depth.

Universal compressed air supply strip
Self-locking coupling sockets DN 5 or DN 7.2 for connecting multiple compressed air tools.
Infinitely adjustable in depth.

Universal mounting arm/running rail with tool trolley/compressed air supply strip						
table length mm/inch	Universal mounting arm	Runner rail with tool trolley	Compressed air supply strip with 4 couplings		Compressed air supply strip with 6 couplings	
			DN 5	DN 7,2	DN 5	DN 7,2
1.200/47.24	ELCM.1200	ELCM.1200.L	ELCM.1200.4D5	ELCM.1200.4D7	ELCM.1200.6D5	ELCM.1200.6D7
1.600/62.99	ELCM.1600	ELCM.1600.L	ELCM.1600.4D5	ELCM.1600.4D7	ELCM.1600.6D5	ELCM.1600.6D7
1.800/70.87	ELCM.1800	ELCM.1800.L	ELCM.1800.4D5	ELCM.1800.4D7	ELCM.1800.6D5	ELCM.1800.6D7
2.000/78.74	ELCM.2000	ELCM.2000.L	ELCM.2000.4D5	ELCM.2000.4D7	ELCM.2000.6D5	ELCM.2000.6D7

Balancer

Druckluft-Wendelschlauch

Balancer with cable pull and compressed air

Balancer with cable pull/compressed air			
	Load capacity adjustable	Extension length	Order no.
Balancer with cable pull	0,2 - 0,7 kg	2,2 m	ELCM.B0207
	0,7 - 1,4 kg	2,2 m	ELCM.B0714
	1,4 - 2,3 kg	2,2 m	ELCM.B1423
Balancer with cable pull and compressed air	0,4 - 0,8 kg	1,4 m	ELCM.B0408
	0,8 - 1,5 kg	1,4 m	ELCM.B0815
	1,2 - 2,5 kg	1,4 m	ELCM.B1225

Compressed air coupling on the mounting arm
Self-locking coupling box DN 5 or DN 7.2 including compressed air hose (concealed inside the mounting arm and extending 2 m from the end of the base profile, without counter coupling) for direct connection of compressed air tools.

Compressed air coupling on the assembly boom		
assembly	left	right
DN 5	ELCM.L1D5	ELCM.R1D5
DN 7,2	ELCM.L1D7	ELCM.R1D7

Compressed air spiral hose				
– Usable working length 2.5 m – Top end includes plug nipple – Bottom end includes coupling	Ø inside/outside	outer coil	DN 5	DN 7,2
	5/8 mm	Ø 50 mm	ELCM.501D5	ELCM.501D7
	6,3/9,5 mm	Ø 60 mm	ELCM.601D5	ELCM.601D7

system lights

System light 1
incl. lamp holder

Technical data: Light
source: LED
Energy efficiency class: D
Color temperature: 5.000 K +/- 5%
Illuminance: 1,350 lx @ 1.0 m
                      3,460 lx @ 0.5 m
Protection type / class IP20 / III
Housing material: Aluminum, ABS

LED cover: PMMA
Dimensions (W x H):   33 x 26.5 mm
Weight: 0.58 kg
CRI: 85

System light 1						
for table width	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Luminaire length	Order no.
1.200 mm / 47.24"	dimmable	38 W	3,720 lm	99 lm / W	889 mm	ELH1.1201
1.600 mm / 62.99"	dimmable	38 W	3,720 lm	99 lm / W	1,089 mm	ELH1.1601
1.800 mm / 70.87"	dimmable	38 W	3,720 lm	99 lm / W	1,489 mm	ELH1.1801
2.000 mm / 78.74"	dimmable	38 W	3,720 lm	99 lm / W	1,549 mm	ELH1.2001

System light 2
incl. light holder

Technical data:
Light source: LED
Light color/temp: Neutral white, approx.
5000K Color rendering (Ra): > 80
Light distribution: Direct (proportion: approx.
100 %) Max. Luminance: (L65) <= 13000
cd/m² Beam angle: 92°

Glare suppression: Textured cover
Protection type / class: IP20 / I
Housing material: Aluminum /
plastic

System light 2						
for table width	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Luminaire length	Order no.
all	switchable	approx. 15 W	approx. 1,100 lm	approx. 73 lm / W	449 mm	ELH1.1002.S
1.200 mm / 47.24"	switchable	approx. 35 W	approx. 3,000 lm	approx. 85 lm / W	899 mm	ELH1.1202.S
	dimmable	approx. 35 W	approx. 3,000 lm	approx. 85 lm / W	899 mm	ELH1.1202.D
1.600 mm / 62.99"	switchable	approx. 40 W	approx. 3,700 lm	approx. 92 lm / W	1,199 mm	ELH1.1602.S
	dimmable	approx. 40 W	approx. 3,700 lm	approx. 92 lm / W	1,199 mm	ELH1.1602.D
from 1.800 mm / 70.87"	switchable	approx. 63 W	approx. 5,000 lm	approx. 79 lm / W	1,499 mm	ELH1.1802.S
	dimmable	approx. 63 W	approx. 5,000 lm	approx. 79 lm / W	1,499 mm	ELH1.1802.D

System light 3
incl. lamp holder

Technical data:
Light source: LED
Light color/temp: Neutral white, approx.
4000 K Color rendering (Ra): >= 90 (R9>50)
Color tolerance: < 3 SDCM Light
distribution: Direct (proportion: approx.
100 %);
                      symmetrical
Max. Luminance: (L65)≤ 3,800 cd/m²

Beam angle: 75°
Glare control: Cone prismatic cover
Protection type / class: IP 20 / I
Housing material: Aluminum / plastic
LED cover: Structured, plastic

System light 3						
for table width	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Luminaire length	Order no.
1.200 mm / 47.24"	switchable	approx. 18 W	approx. 1,500 lm	approx. 83 lm / W	approx. 3.2 kg	656 mm	ELH1.1203.S
1.600 mm / 62.99"	switchable	approx. 26 W	approx. 2,300 lm	approx. 88 lm / W	approx. 4.3 kg	956 mm	ELH1.1603.S
	dimmable	approx. 26 W	approx. 2,300 lm	approx. 88 lm / W	approx. 5.1 kg	956 mm	ELH1.1603.D
from 1.800 mm / 70.87"	switchable	approx. 33 W	approx. 3,000 lm	approx. 90 lm / W	approx. 5.8 kg	1,256 mm	ELH1.1803.S
	dimmable	approx. 33 W	approx. 3,000 lm	approx. 90 lm / W	approx. 5.8 kg	1,256 mm	ELH1.1803.D

System light 4 with pendant
incl. light holder

Technical data:
Light source: LED
Light color/temp: Neutral white, approx.
4,000 K Color rendering: Ra≥ 90; R9≥ 50 Color
tolerance: < 3 SDCM Light
distribution: Direct (proportion: approx.
100 %) Max. Luminance: (L65):≤ 3,800
cd/m² Beam angle: 75%
Glare control: Cone prismatic
screen UGR class (4H 8H):≤ 22
Protection type / class: IP 20 / I

Housing material: Aluminum /
plastic Drawbar extension: 0,3 -
1,3 m

System light 3 with pendant						
for table width	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Luminaire length	Order no.
from 1.200mm / 47.24"	switchable	approx. 26 W	approx. 2,300 lm	approx. 88 lm / W	approx. 4.3 kg	956 mm	ELH1.1204.S
	dimmable	approx. 26 W	approx. 2,300 lm	approx. 88 lm / W	approx. 4.3 kg	956 mm	ELH1.1204.D
from 1.800mm / 70.87"	switchable	approx. 33 W	approx. 3,000 lm	approx. 90 lm / W	approx. 5.8 kg	1,256 mm	ELH1.1804.S
	dimmable	approx. 33 W	approx. 3,000 lm	approx. 90 lm / W	approx. 5.8 kg	1,256 mm	ELH1.1804.D

magnifying lamps

rod lights

Picture left:
Magnifying lamp 1
mounted on aluminum base profile
with universal adapter.

Figure on the
right: Magnifying lamp
2 - ESD with table
clamp.

Magnifying lamp 1

for attachment to the aluminum base profile incl. universal adapter, Optional with table clamp

Magnifying lamp 2 - ESD version

for attachment to the aluminum base profile incl. universal adapter, Optional with table clamp

Technical data
Magnifying lamp 1 and magnifying lamp 2 ESD:

Equipment:	LED
sec. power consumption:	11 W
Light color / temp:	Neutral white, approx. 4,000 K Color rendering:	Ra≥ 90; R9≥ 50
Color tolerance:	< 3 SDCM
Light distribution:	Direct (proportion: approx. 100 %) Protection type / class:

Magnifier light 1:
IP 20 / II
Magnifying lamp 2 ESD:
IP20 / I

Material:
Magnifying lamp 1: Plastic / anodized aluminium
Magnifying lamp 2 ESD: Plastic, black, ESD / aluminium ESD-painted black

LED cover: Polyamide (PA), matt Joints: Spring
Magnifying glass: Glass, Ø 160 mm
Magnifying glass material: Glass
Diopters: 3,5

Special features:
Magnifying lamp 1:
Light characteristics can be influenced by 3-stage switch

Magnifier lamp 2 ESD:
ESD version, long rod, light characteristics can be influenced by 3-position switch

Magnifying lamp 1

Fastening with...	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Order no.
Universal adapter	Dimmable (touch)	approx. 13 W	approx. 750 lm	approx. 57 lm / W	approx. 2.5 kg	ELH1.0011.U
Table clamp	dimmable	approx. 16 W		approx. 57 lm / W	approx. 2.7 kg	ELH1.0011.T

Magnifying lamp 2 ESD version

Fastening with...	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Order no.
Universal adapter	Dimmable (touch)	approx. 13 W	approx. 750 lm	approx. 57 lm / W	approx. 2.5 kg	ELH1.0012.U
Table clamp	dimmable	approx. 16 W		approx. 57 lm / W	approx. 2.7 kg	ELH1.0012.T

Magnifying lamp 3

for attachment to the aluminum base profile incl. universal adapter, optionally with table clamp

Technical data:

Equipment:	LED sec.
power consumption: 9.5 W	
Light color /-temp:	Neutral white / approx. 5,000 K Color rendering:	Ra≥ 80
Color tolerance:	< 3 SDCM Light
distribution:	Direct (proportion: approx. 100 %) Protection type / class:	IP 20 / II
Material:	Plastic / anodized aluminium
LED cover:	Polycarbonate (PC)
Joints:	Spring

Ø 160 mm
Magnifying glass: PMMA 3.5
Magnifier material:
Diopters:

Magnifying lamp 3

Fastening with...	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Order no.
Universal adapter	Dimmable (touch)	approx. 11 W	approx. 800 lm	approx. 72 lm/W	approx. 2.5 kg	ELH1.0013.U
Table clamp	Dimmable (touch)	approx. 11 W	approx. 800 lm	approx. 72 lm/W	approx. 2.5 kg	ELH1.0013.T

Office and IT workstation light 1

for attachment to the aluminum base profile incl. universal adapter, optionally with table clamp

Technical data:

Equipment:	LED
Light color / temp:	neutral white, approx. 5,000 K Color rendering: Ra > 80
Color tolerance:	< 5 SDCM Light
distribution:	Direct, (proportion: approx. 100 %) Max. Luminance:	(L65) <= 16000
cd/m² Beam angle :85	
Glare control:	Textured
screen UGR class (4H 8H): <= 25	
Protection type / class:	IP 20 / II
Material:	Plastic / Anodized aluminium

LED cover: structured, Plastic
Joints: Spring

Office and IT workstation light 1

Fastening with...	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Order no.
Universal adapter	Dimmable (touch)	16 W	approx. 1250 lm	approx. 78 lm / W	approx. 1.6 kg	ELH1.0021.U
Table clamp	Dimmable (touch)	16 W	approx. 1250 lm	approx. 78 lm / W	approx. 1.6 kg	ELH1.0021.T

Rod and system lights

spotlight

Office and IT workstation light 2

for attachment to the aluminum base profile incl. universal adapter, optionally with table clamp

Technical data:

Fitting:	LED
Energy efficiency class:	A / A+ / A++
Light color / temp:	Neutral white, approx.
5,000 K Color rendering:	Ra > 80
Color tolerance:	< 4 SDCM
Protection type / class:	IP 20 / II
Material:	Plastic / anodized
aluminium LED cover:	Polycarbonate (PC), opal white (opaque)
Joints:	Spring

Office and IT workstation light 2

Fastening with...	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Order no.
Universal adapter	switchable	24 W	approx. 1200 lm	approx. 50 lm / W	approx. 1.9 kg	ELH1.0022.U
Table clamp	switchable	24 W	approx. 1200 lm	approx. 50 lm / W	approx. 1.9 kg	ELH1.0022.T

Office and IT workstation light 3

For attachment to the aluminum base profile via angle piece

Technical data:

Equipment:	LED
Light color / temp:	Neutral white, approx. 4,000 K
Color rendering:	Ra≥ 90; R9≥ 50 Color
tolerance:	< 3 SDCM Light
distribution:	Direct (proportion: approx. 100 %), symmetrical
Max. Luminance:	(L65)≤ 5,200 cd/m²
Beam angle:	80°
Glare control:	Prismatic diaphragm
UGR class (4H 8H):	in accordance with EN 12464-1≤ 22

Protection type / class:	IP 20 / I
Material:	Plastic / anodized aluminium Structured,
LED cover:	plastic L= 456 mm
Dimensions:	B= 187 mm H= 50 mm

Office and IT workstation light 3

Mounting side	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Luminaire length	Order no.
Right	switchable	approx. 18 W	approx. 1450 lm	approx. 80 lm / W	approx. 2.4 kg	456 mm	ELH1.0023.R
Links	switchable	approx. 18 W	approx. 1450 lm	approx. 80 lm / W	approx. 2.4 kg	456 mm	ELH1.0023.L

Office and IT workstation light 4

for attachment to the aluminum base profile incl. universal adapter, optionally with table clamp

Technical data:

Equipment:	LED
Light type/color:	Neutral white, approx. 5,000 K Color rendering: Ra≥ 80
Color tolerance:	< 4 SDCM Light
distribution:	Wide beam, direct, black
Max. Luminance:	(L65)≤ 6,000 cd/m²
Beam angle:	30°
Glare control:	
	Optics UGR class (4H 8H):≤ 19

Protection type / class:	IP 20 / I
Color:	Anodized aluminium, black LED
cover:	Borosilicat

Office and IT workstation light 4

Fastening with...	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Order no.
Universal adapter	dimmable	9 W	approx. 550 lm	approx. 61 lm / W	approx. 2.7 kg	ELH1.0024.U
Table clamp	dimmable	9 W	approx. 550 lm	approx. 61 lm / W	approx. 2.7 kg	ELH1.0024.T

Office and IT workstation light 5

for mounting with table clamp

Technical data:

Equipment:	LED
Light color / temp:	Neutral white, 5,000 K
Color rendering:	Ra > 70 Light
distribution:	Wide beam; direct
Beam angle:	40°
Glare control:	Optics
Protection type / class:	IP 67 / II
Material :	Black lacquered
aluminum LED cover:	Borosilicate Special
features:	Flood

Office and IT workstation light 5

Fastening with...	Technology	Power consumption	Luminaire luminous flux	Luminaire luminous efficacy	Weight	Order no.
Table clamp	switchable	approx. 6 W	approx. 460 lm	approx. 76 lm / W	approx. 1.7 kg	ELH1.0025.T

Perforated metal walls and accessories

Gripping shells, containers, tongues

Perforated sheet walls

Mounted between the two rear base profiles.
With square perforation.
For attaching accessories. Alternatively also as
a privacy screen underneath the
Table can be mounted at the side and rear.

Perforated sheet walls light gray RAL 7035			
Size	502 x 449 mm	996 x 449 mm	1490 x 449 mm	1986 x 449 mm
Order no.	ELCM.0502	ELCM.0996	ELCM.1490	ELCM.1986

Accessories for hanging in perforated sheet walls

Brackets for hanging							
	Can holder		Unwinder holder	6-piece tool holder for screwdrivers	Hose holder	Pipe holder	
Size in mm	for 1 can	for 3 cans					
	100 x 90 x 70	300 x 90 x 70	360 x 100 x 120	200 x 30 x 30	230 x 125 x 100	Ø 60	Ø 100
Order no.	ELCM.Z1.030	ELCM.Z1.031	ELCM.Z1.032	ELCM.Z1.033	ELCM.Z1.034	ELCM.Z1.035	ELCM.Z1.036

Single hook length 75 mm

Double hook length 75 mm

Single clamp Ø 10 mm

Single clamp Ø 25 mm

Double clamp Ø 10 mm

Hook for hanging Ø 6 mm		
Hook length	Single hook	Double hook
35 mm	ELCM.Z1.001	ELCM.Z1.002
50 mm	-	ELCM.Z1.004
75 mm	ELCM.Z1.005	ELCM.Z1.006
125 mm	ELCM.Z1.007	-
150 mm	-	ELCM.Z1.010

Tool clamps for hanging		
Ø	Single clamp	Double clamp
6 mm	ELCM.Z1.011	ELCM.Z1.012
10 mm	ELCM.Z1.013	ELCM.Z1.014
13 mm	ELCM.Z1.015	ELCM.Z1.016
16 mm	ELCM.Z1.017	ELCM.Z1.018
19 mm	ELCM.Z1.019	ELCM.Z1.020
25 mm	ELCM.Z1.021	-
28 mm	ELCM.Z1.022	-
32 mm	ELCM.Z1.023	-

Shelves for hanging	
Size	Order no.
350 x 125 x 12 mm	ELCM.Z1.037
445 x 150 x 12 mm	ELCM.Z1.038

Maintenance unit for compressed air preparation
Order no.
ELCM.Z1.039

Gripper shells, gripper containers, gripper tongues

Made of plastic. Color: light grey (non-conductive), black (conductive). Resistant to weak acids, alkalis and alcohols,
Fats, oils, water.

Gripper shells

Grab container accessories (suitable for all 4 sizes)
Fixing clip with 1 label each, white,
10 pieces, **order no.:** ELCM.GB10.EW
Labels, lined, 10 pieces,
Order no.: ELCM.GB10.EL

Gripping container ESD version black
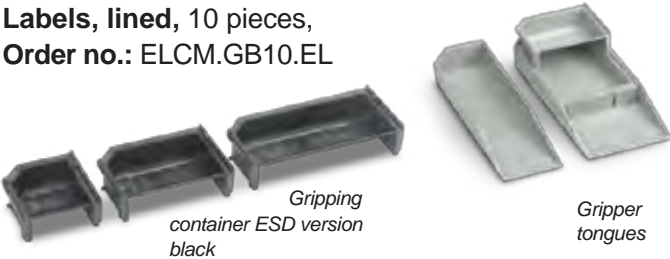
Gripper tongues

Gripper shells, gripper containers, plastic gripper tongues				
Article	Size (W x T x H)	Contents	light gray	black - ESD
Gripper shell	82 x 86 x 50 mm	0,15 l	ELCM.Z2.011	ELCM.Z2.012
	123 x 86 x 50 mm	0,24 l	ELCM.Z2.021	ELCM.Z2.022
	173 x 86 x 50 mm	0,36 l	ELCM.Z2.031	ELCM.Z2.032
Gripping container	82 x 173 x 50 mm	0,37 l	ELCM.Z2.041	ELCM.Z2.042
	123 x 173 x 50 mm	0,60 l	ELCM.Z2.051	ELCM.Z2.052
	123 x 173 x 100 mm	1,37 l	ELCM.Z2.061	ELCM.Z2.062
	173 x 245 x 100 mm	3,05 l	ELCM.Z2.071	ELCM.Z2.072
Cover for grab containers	77 x 173 x 13 mm	-	ELCM.Z2.041A	ELCM.Z2.042A
	117 x 173 x 13 mm	-	ELCM.Z2.051A	ELCM.Z2.052A
	117 x 173 x 32 mm	-	ELCM.Z2.061A	ELCM.Z2.062A
	167 x 245 x 32 mm	-	ELCM.Z2.071A	ELCM.Z2.072A
Gripping tongue	90 x 277 x 54 mm	0,69 l	ELCM.Z2.081	ELCM.Z2.082
	131 x 277 x 54 mm	1,05 l	ELCM.Z2.091	ELCM.Z2.092

variable height

Variable height

Scope of delivery without container.

Scope of delivery without container.

movable
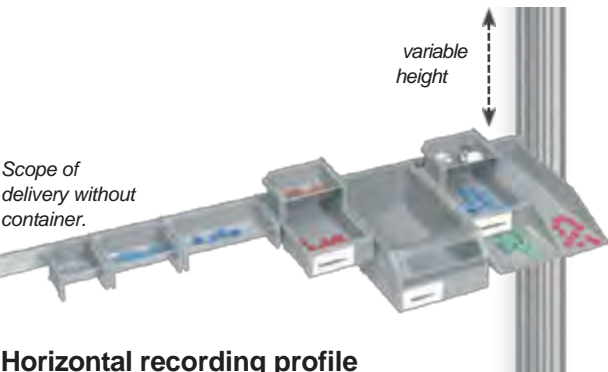
Horizontal recording profile

For mounting between two aluminum base profiles.
Infinitely adjustable in height. holding gripper shells,
gripper containers and gripper tongues.

Universal profile frame with sliding grab container shelf

For mounting between two aluminum base profiles. For
holding gripping trays, gripping containers and gripping
tongues. Shelf size: 400 x 185 x 192 mm.

Horizontal recording profile	
Table width	Order no.
1,200 mm	ELCM.1201
1,600 mm	ELCM.1601
1,800 mm	ELCM.1801
2,000 mm	ELCM.2001

Universal profile frame with grab container shelf	
Table width	Order no.
1,200 mm	ELCM.1202
1,600 mm	ELCM.1602
1,800 mm	ELCM.1802
2,000 mm	ELCM.2002

Open-fronted storage bins and retaining rails
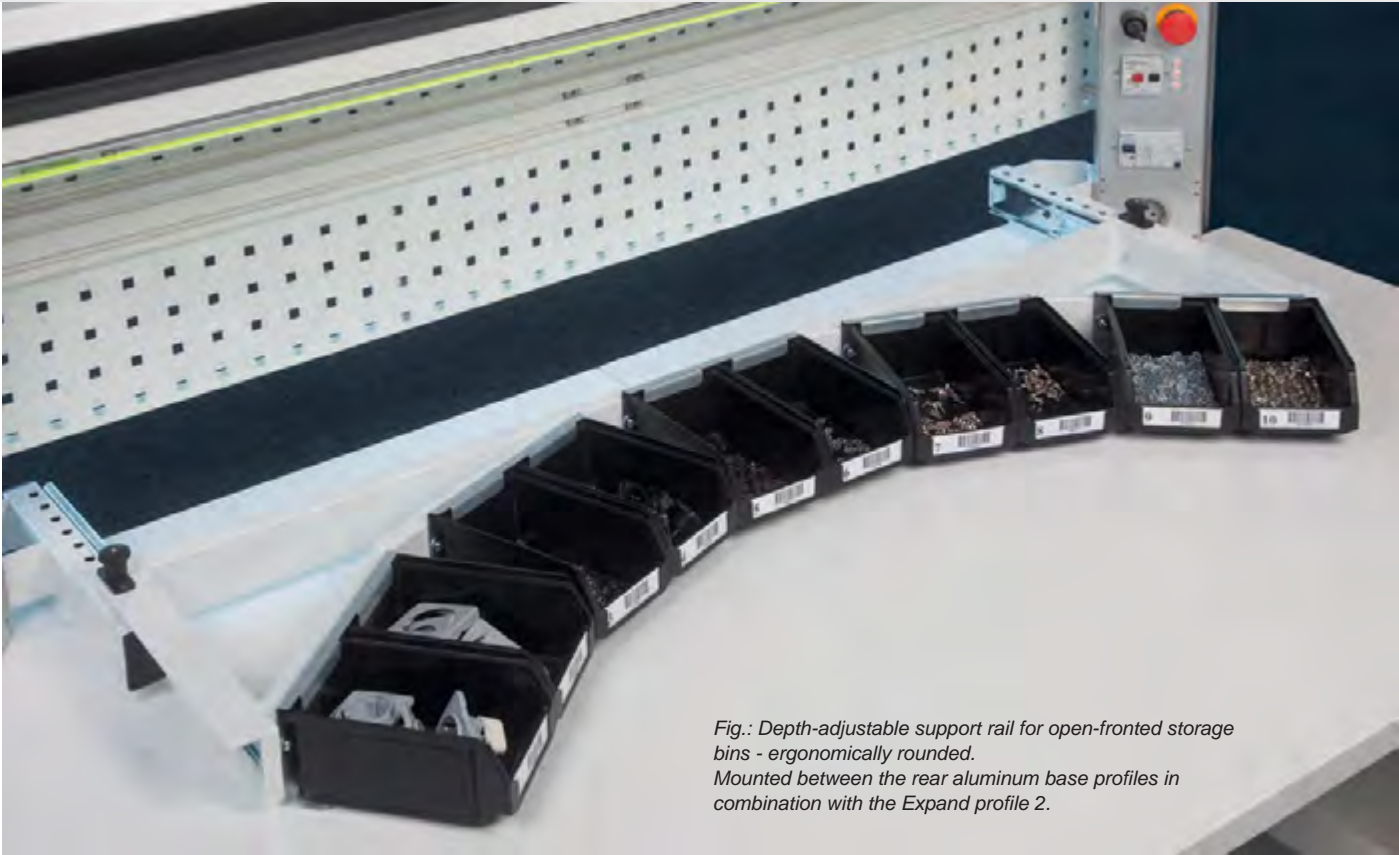
Fig.: Depth-adjustable support rail for open-fronted storage bins - ergonomically rounded.
Mounted between the rear aluminum base profiles in combination with the Expand profile 2.

Plastic open-fronted storage bins
Color: blue (non-conductive), black (conductive).
Resistant to most acids and alkalis. Temperature resistant between - 40° and+ 80° C.

Labels for open fronted storage bins
10 pieces each
suitable for **type 1**   **Order no.:** ELCM.SK1001.E
suitable for **type 2, 3, 4, 5 Order no.:** ELCM.SK1002.E

Plastic open-fronted storage bins				
blue	**Type**	**Size** (W x D x H)	**Content** (liters)	**Order no.**
	1	100 x 160 x 75 mm	0,80 l	ELCM.Z2.111
	2	150 x 230 x 130 mm	2,60 l	ELCM.Z2.121
	3	220 x 350 x 200 mm	10,4 l	ELCM.Z2.131
	4	320 x 500 x 200 mm	23,5 l	ELCM.Z2.141
	5	470 x 520 x 300 mm	57,0 l	ELCM.Z2.151
black - ESD	1	95 x 160 x 76 mm	0,80 l	ELCM.Z2.112
	2	150 x 230 x 120 mm	2,60 l	ELCM.Z2.122
	3	200 x 350 x 200 mm	10,0 l	ELCM.Z2.132
	4	300 x 510 x 200 mm	23,0 l	ELCM.Z2.142
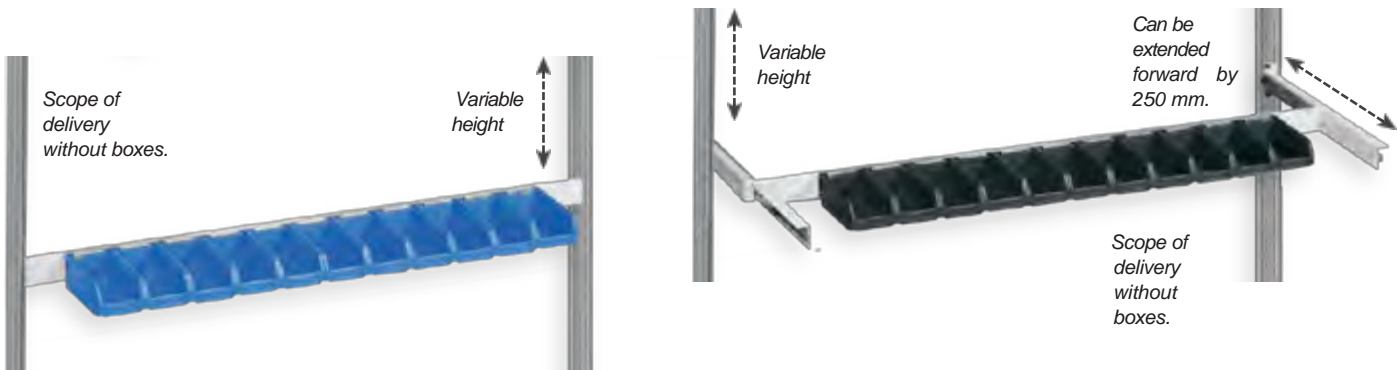
Scope of delivery without boxes.

Variable height

Retaining rail for open fronted storage bins
For mounting between two aluminum base profiles.
adjustable in height.

Support rail for open fronted storage bins				
Table width mm	**Open fronted storage bins type 1**		**Open fronted storage bins type 2**	
	Number of boxes	**Order no.**	**Number of boxes**	**Order no.**
1.200	10	ELCM.1203.1	6	ELCM.1203.2
1.600	11	ELCM.1603.1	7	ELCM.1603.2
1.800	11	ELCM.1803.1	7	ELCM.1803.2
2.000	11	ELCM.2003.1	7	ELCM.2003.2

Variable height

Can be extended forward by 250 mm.

Scope of delivery without boxes.

Depth-adjustable retaining rail for open-fronted storage bins
For mounting between two aluminum base profiles.
Infinitely adjustable in height and by 250 mm Infinitely Can be pulled out to the front.

Depth-adjustable retaining rail for open-fronted storage bins				
Table width mm	**Open fronted storage bins type 1**		**Open fronted storage bins type 2**	
	Number of boxes	**Order no.**	**Number of boxes**	**Order no.**
1.200	10	ELCM.1204.1	6	ELCM.1204.2
1.600	11	ELCM.1604.1	7	ELCM.1604.2
1.800	11	ELCM.1804.1	7	ELCM.1804.2
2.000	11	ELCM.2004.1	7	ELCM.2004.2

Depth-adjustable retaining rail for open-fronted storage bins - ergonomically rounded
For mounting between two aluminum base profiles.
Infinitely adjustable in height and can be extended forward by 250 mm.

Variable height

Can be extended forward by 250 mm.

Scope of delivery without boxes.

Depth-adjustable retaining rail for open-fronted storage bins				
Table width mm	**Open fronted storage bins type 1**		**Open fronted storage bins type 2**	
	Number of boxes	**Order no.**	**Number of boxes**	**Order no.**
1.200	10	ELCM.1205.1	6	ELCM.1205.2
1.600	11	ELCM.1605.1	7	ELCM.1605.2
1.800	11	ELCM.1805.1	7	ELCM.1805.2
2.000	11	ELCM.2005.1	7	ELCM.2005.2

Support arms and swiveling techniques

swivel elements

Scope of delivery: without boxes

Scope of delivery: without boxes
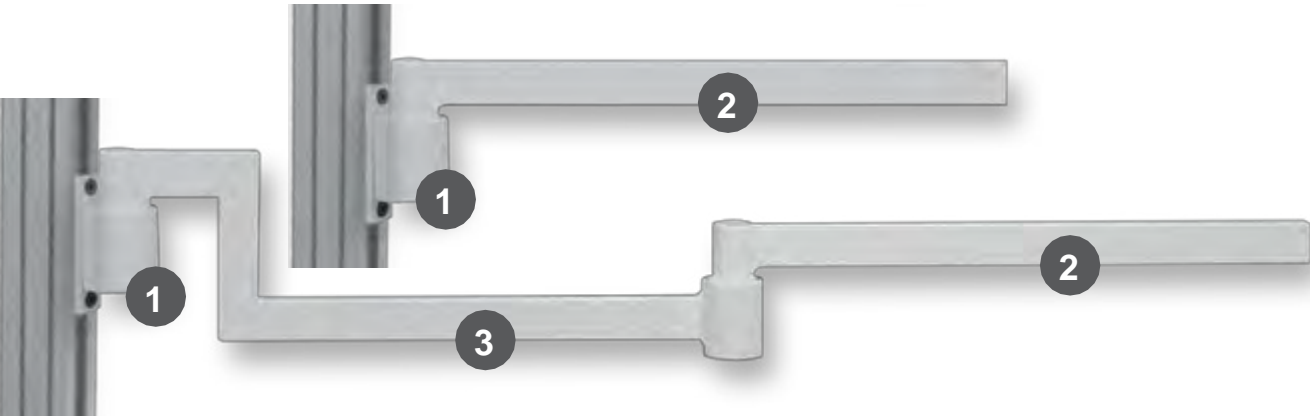
❶ Universal adapter
For quick and easy adaptation to the aluminum system base profile.
Designed to accommodate the basic or of the additional swivel arm. Suitable for heavy loads.
Infinitely adjustable in height.
Order no.: ELC.UA

❸ Supplementary arm (optional)
The extension arm is plugged directly into the universal adapter and can accommodate the basic swivel arm. This provides a very high degree of flexibility at the workplace.
Order no.: ELCM.T2

Type 1 holding frame for open fronted storage bins open fronted storage bins
Can be fitted on one or both sides.
For mounting on the base swivel arm.

Inclined support for

With rubber buffer on underside.
Size: W: 700 mm, D: 260 mm.

Inclusion of the desired Gift elements

❷ Basic swivel arm
The sturdy round bolt is inserted directly intothe universal adapter. The swivel elements can be attached to the end of the swivel arm. Alternatively, the basic swivel arm can be inserted into the supplementary arm to improve flexibility and ergonomics.
Order no.: ELCM.T1

Support frame type 1 for open fronted storage bins			
Execution	**Box type**	**Number of boxes**	**Order no.**
one-sided Equippable	Type 1	15	ELCM.Z3.001
	Type 2	6	ELCM.Z3.002
on both sides Equippable	Type 1	30	ELCM.Z3.003
	Type 2	12	ELCM.Z3.004

Inclined shelf for open fronted storage bins		
Box type	**Number of boxes**	**Order no.**
Type 1	6	ELCM.Z3.005
Type 2	4	

Shelf to be ordered separately.

Scope of delivery: without boxes

Universal support arm and plate
Mounted on the aluminum base profile. For mounting a shelf. 3 adjustable positions (0°/ 15°/ 30°).

Universal support arm
Mounting on aluminum base profile. With vertical mounting incl. 2 profile rails for mounting each 5 open-fronted storage bins type 1.

Scope of delivery: without boxes

Universal support arm and plate		
Tray support arm length	**Max. Load capacity**	**Order no.**
350 mm / 1-arm	30 kg	ELCM.UA350
500 mm / 2-armed	25 kg	ELCM.UA500
700 mm / 2-armed	18 kg	ELCM.UA700
Matching shelf, 400 x 300 mm		ELCM.Z3.009

Universal support arm		
Arm length / design	**Max. Load capacity**	**Order no.**
350 mm / 1-arm	30 kg	ELCM.UT350
500 mm / 2-armed	25 kg	ELCM.UT500
700 mm / 2-armed	18 kg	ELCM.UT700

Support frame type 2 for open fronted storage bins
Can be fitted on one side.
For mounting on the base swivel arm.

Support frame type 2 for open fronted storage bins		
Box type	**Number of boxes**	**Order no.**
Type 1	7	ELCM.Z3.006

Accessories for the world of installation

erfi
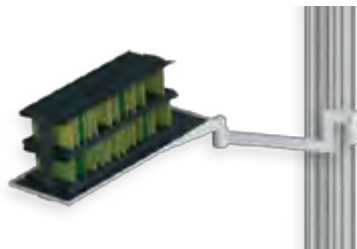
Swivel shelf 1
For attachment to the basic swivel arm. Universal adapter and swivel arm must be ordered separately!

Swivel shelf 2
For attachment to the basic swivel arm. Universal adapter and swivel arm must be ordered separately!

Swivel shelves			
Swivel shelf 1		**Swivel shelf 2**	
Size	Order no.	Size	Order no.
700 x 250 mm	ELCM.Z3.007	600 x 400 mm	ELCM.Z3.008

Waste bin with separation system, 18 l
Waste bin incl. 2 inserts 2.2 l and 2 hinged lids. Including adapter and swivel arm (L: 380 mm).

Cable reel holder - rod Ø 18 mm
For mounting between two aluminum base profiles. Infinitely height-adjustable, removable.

Waste paper basket with separation system	
Décor	Order no.
Waste bin: light gray, 2 inserts stone gray Hinged lid: 1x gray, 1x green	ELCM.Z4.005
Waste bin: black, 2 inserts black Hinged lid: 1x gray, 1x green	ELCM.Z4.006

Cable reel holder	
Table width in mm	Order no.
1.200	ELCM.1206
1.600	ELCM.1606
1.800	ELCM.1806
2.000	ELCM.2006

Test lead holder, 180° swiveling
Each side equipped with:
– 1 hose holder
– 1 laboratory cord holder with 21 carrying elements

Storage tray
Made of sheet steel.
For attachment to the aluminum base profile.

Test lead holder can be swiveled 180		Storage tray	
Execution	Order no.	Size	Order no.
Equipped on one side	ELCM.Z4.001	200 x 300 x 100 mm	ELCM.Z4.003
Equipped on both sides	ELCM.Z4.002	300 x 500 x 100 mm	ELCM.Z4.004

Cable comb
For mounting on the aluminum base profile. For approx. 40 laboratory cords.
Order no.: ELCM.Z4.010

Test lead holder 1
For mounting on the aluminum base profile. With 21 support elements, 300 mm long.
Order no.: ELCM.Z4.011

Test lead holder 2
For mounting on the aluminum base profile. With 4 rows for holding up to 7 laboratory cords per row.
Various colors available.

Order no. green: ELCM.Z4.012
Order no. black: ELCM.Z4.013
Order no. white: ELCM.Z4.014
Other colors on request.

Universal adapter must be ordered separately!

Foil pocket holder
Made of plastic, light gray. Height adjustable in 3 steps. Includes 10 A4 film pockets with colored frame. Can be inserted into universal adapter.
Order no.: ELCM.FTR

Foil pocket holder	
Frame color of the foil pockets	Order no.
black	ELCM.Z3.010
white	ELCM.Z3.011
red	ELCM.Z3.012
blue	ELCM.Z3.013
green	ELCM.Z3.014
2 of each color	ELCM.Z3.015

Hose holder
For mounting on the aluminum foot profile. With 1 storage option.
Order no.: ELCM.Z4.020

Cup holder
For holding cups and mugs. Made of plastic, black.
Order no.: ELCM.Z4.021
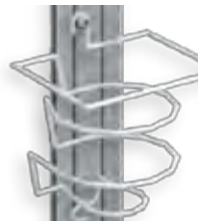
Bottle holder
For holding bottles and square drinks containers. Made of steel wire, light gray, plastic-coated.
Order no.: ELCM.Z4.022

Hooks for accessories
Made of steel. Length 50 mm, Ø 6 mm.
Order no.: ELCM.Z4.023

Universal adapter and swivel arm must be ordered separately!

Information board incl. 4 magnets
Can be swiveled 90° to the rear. Attached to the base swivel arm.

Information board	
Execution	Order no.
DIN A4 portrait	ELCM.Z3.020
DIN A4 landscape	ELCM.Z3.021
DIN A3 portrait	ELCM.Z3.022
DIN A3 landscape	ELCM.Z3.023

Organizational elements for the assembly world
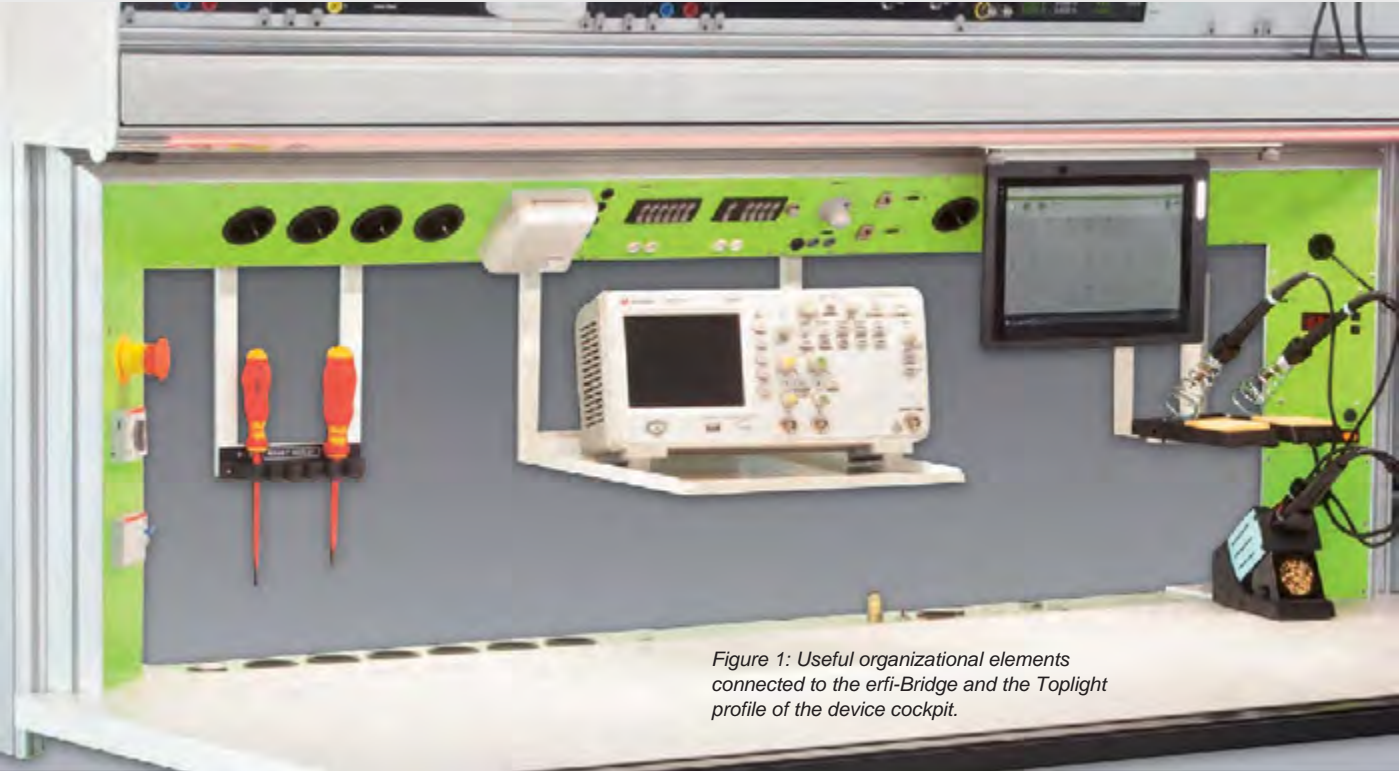
Figure 1: Useful organizational elements connected to the erfi-Bridge and the Toplight profile of the device cockpit.

Useful organizational elements for perfect order

The versatile organizational elements provide free space at your workstation and thus relieve the work surface.

Figure 2:
Sectional drawing
1. Connection from the front at the bottom to the Toplight profile of the storage shelf or appliance cockpit.
2. Connection from behind to the bridge or to the horizontal expansion profile 2.

The infinitely horizontally sliding elements can be elegantly attached either to the erfi bridge, to the horizontal expand profile 2 under the storage shelf / appliance cockpit or to the front profile Toplight of the storage shelf / appliance cockpit.
can connected using quick-release clamp connectors.

Connection of the organizational elements

1 At the **front** of the **profile top light** of the storage board / cockpit

2 **Rear** on **bridge** or horizontal **expansion profile 2**
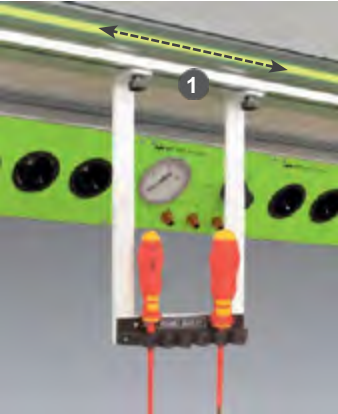
Figure 3:
Connection option 1. table view from the front.

Figure 4:
Connection option 1. table view from behind.
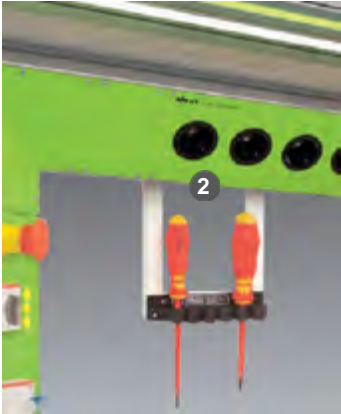
Figure 5:
Connection option 2. table view from the front.
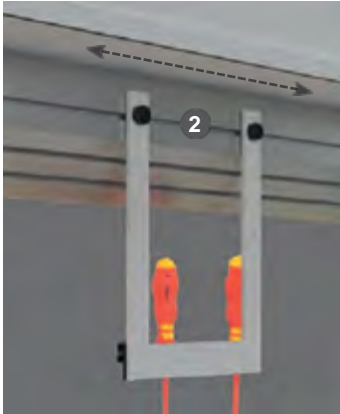
Figure 6:
Connection option 2. table view from behind.

Cordless screwdriver holder
Size (W x D x H): 65 x 170 x 240 mm
Connection / Order no.:
1 ELCM.Z5.001
2 ELCM.Z6.001

Soldering iron holder Size (W x D x H): 65 x 220 x 200 mm
Connection / Order no.:
1 ELCM.Z5.002
2 ELCM.Z6.002
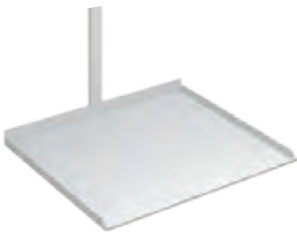
Device platform size (W x D x H): 320 x 310 x 200 mm
Connection / Order no.:
1 ELCM.Z5.003
2 ELCM.Z6.003

Perforated metal panel Size (W x D x H): 540 x 10 x 200 mm
Connection / Order no:
1 ELCM.Z5.004
2 ELCM.Z6.004

Tablet holder
1 holder, suitable for all tablet sizes
Connection / Order no:
1 ELCM.Z5.005
2 ELCM.Z6.005

Tool holder ... with 5 holders Size (W x D x H): 150 x 50 x 200 mm
Connection / Order
1 no.: ELCM.Z5.006
2 ELCM.Z6.006

with 19 holders Size (W x D x H): 440 x 50 x 200 mm
Connection / Order
1 no.: ELCM.Z5.007
2 ELCM.Z6.007

Can holder Size (W x D x H): 550 x 110 x 210 mm for spray cans Ø 55 mm
Connection / Order no:
1 ELCM.Z5.008
2 ELCM.Z6.008

Organizational elements for the assembly world

Ergonomic footrests

Movable tool tray
- Individually configurable
- Quick changeover yes according to workflow
- Clearly arranged
- Fast access
- Free work surface
- Ergonomic

Can be used as a tool holder or transportable work surface. Includes mounting rail under the table top, suspension profiles and tool tray.
Foam inserts with tools available on request.

The tool tray can be easily clipped in or out and can be moved across the entire width of the table.
Can be clipped in at an angle of 0 / 40 / 80°.
Material: sheet steel.
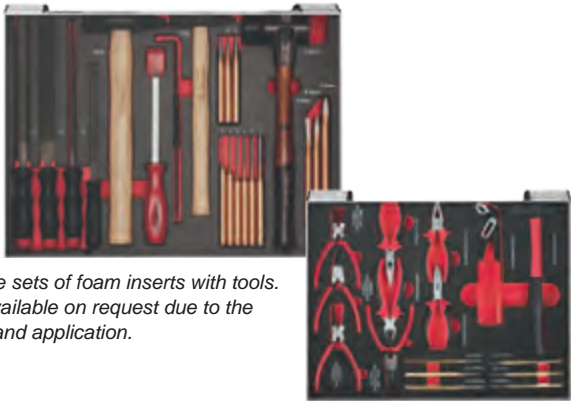
Fig.: Example sets of foam inserts with tools. These are available on request due to the individuality and application.

Footrest model 1 (non-conductive)
Color: Black / chrome
Frame: Chrome-plated on non-slip rubber feet
Footplate: Stable, very easy to adjust by foot pressure
Height adjustment: 50-100 mm

Model 2 ESD (conductive)
Color: Black
Base plate: Ribbed surface
Height adjustment: 3 levels adjustable 6 / 9 / 12 cm
Conductive resistance: Volume conductive plastic, Leakage resistance 10^3 Ω.
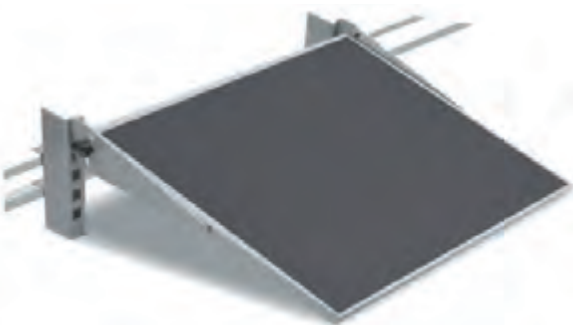
Model 3 (non-conductive, alternatively conductive)
Directly connected to the table, it adapts perfectly to the table system in terms of form and function.
Infinitely tiltable and horizontally adjustable
Height adjustment: Height can be adjusted in increments be set
Leakage resistance: 10 MΩ

Mobile tool tray incl. profile rail, suspension profiles and shelf		
for table width	**Shelf size 1:** 462 x 335 x 30 mm	**Shelf size 2:** 260 x 345 x 30mm
1200 mm	ELH2.1200.1	ELH2.1200.2
1600 mm	ELH2.1600.1	ELH2.1600.2
1800 mm	ELH2.1800.1	ELH2.1800.2
2000 mm	ELH2.2000.1	ELH2.2000.2

Ergonomic footrests		
Model	**non-conductive**	**ESD - conductive**
Model 1	ELCM.F11	ELCM.F12
Model 2	-	ELCM.F22
Model 3	ELCM.F31	ELCM.F32

workbenches

Figure 1:
Workbench consisting of 1 workbench leg,
1 steel pedestal and 1 beech multiplex board.

Figure 2:
Workbench consisting of 2 height-adjustable workbench legs, 1 beech multiplex board and 1 hanging container.

In-line and hexagonal workbenches

The workbenches can be configured as required. Workbench legs, base cabinet with folding lift and vice or

Steel pedestals possible. The workbench top is available as a rectangle for row arrangement or as a hexagon for group workstations.

Note: Vice is height-adjustable and can be rotated 360°.

Row workbench foot		
	Workbench foot 4-edged tube 50 x 50 x 2 mm	Workbench foot height-adjustable U-profile 75 x 40 mm
W x D x H	150 x 650 x 819 mm	150 x 650 x 719 - 1019 mm
Order no.	ELH3.0001	ELH3.0002

Base cabinet with folding lift and vice for workbenches (alternative to pedestal)		
	suitable for workbench foot	
	Height 819 mm	Height 719 mm
W x D x H	312 x 726 x 819 mm	312 x 726 x 719 mm
Order no.	ELCM.0001	ELCM.0002

Beech multiplex board

Beech bar panel

Workbench tops for row installation

Beech multiplex, multilayer glued, thickness 40 mm. Cleanly sanded, impregnated and finished with coated with food-safe oil. Alternatively also available as a beech bar top.

Row workbench top				
Execution	Beech multiplex		Beech bar	
	Size 1	Size 2	Size 1	Size 2
W x D x H mm / inch	1500 x 750 x 40 mm 59,06 x 29,53 x 1,57"	2000 x 750 x 40 mm 78,74 x 29,53 x 1,57"	1500 x 750 x 40 mm 59,06 x 29,53 x 1,57"	2000 x 750 x 40 mm 78,74 x 29,53 x 1,57"
Order no.	ELH3.0005.M	ELH3.0006.M	ELH3.0005.R	ELH3.0006.R

Workbench top for hexagonal group workstations

Beech multiplex, multilayer glued, 40 mm thick. Cleanly sanded, impregnated and coated with life-safe oil. Alternatively also available as a beech bolt top. Front seat edge approx. 1250 mm.
Max. Container size for the hexagonal worktop 555 x 736 mm.
There is the option of mounting a 3 U hexagonal table superstructure on the workbench top for hexagonal group workstations.

3 U hexagonal table structure

The table structure can be freely configured.
Assembly capacity: 70 HP per side
Leg length: approx. 413 mm
Depth of work surface: approx. 720 mm
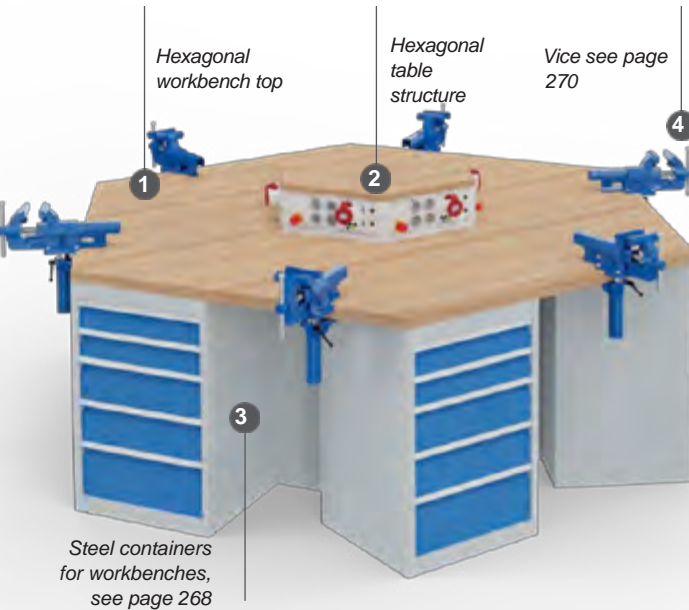
Hexagonal workbench top

Hexagonal table structure

Vice see page 270

Steel containers for workbenches, see page 268

Hexagonal workbench top		
	Beech multiplex	Beech bar
W x D x H	2500 x 2165 x 40 mm 98,43 x 85,24 x 1,57"	2500 x 2165 x 40 mm 98,43 x 85,24 x 1,57"
Order no.	ELH3.0007.M	ELH3.0007.R

Hexagonal table structure 3 U		
	Beech multiplex	Beech bar
W x D x H	825 x 715 mm 32,48 x 28,15"	825 x 715 mm 32,48 x 28,15"
Order no.	ELH3.0007.M	ELH3.0007.R

Steel containers for workbenches

Pedestal made of steel Division grid: 50 mm
Handles: Aluminum handle strip
Drawers: 100 % full extension, load capacity 100 kg Usable dimensions for size W x D: 531 x 500 mm: 450 x 400 mm Usable dimensions for size W x D: 555 x 736 mm: 450 x 600 mm Usable dimensions for size W x D: 705 x 736 mm: 600 x 600 mm **Decor:** Housing RAL 7035 light gray as standard, fronts RAL 5012 light blue as standard. Other color variants available on request.

Steel pedestals		
W x D x H	**Division** (front heights, from top to bottom)	**Order no.**
531 x 500 x 719 mm	5 Schubladen: 2x 75 mm, 1x 100 mm, 1x 150 mm, 1x 200 mm	ELH3.0010
555 x 736 x 719 mm	5 Schubladen: 2x 75 mm, 1x 100 mm, 1x 150 mm, 1x 200 mm	ELH3.0011
531 x 500 x 819 mm	5 Schubladen: 2x 75 mm, 1x 100 mm, 1x 150 mm, 1x 300 mm	ELH3.0012
555 x 736 x 819 mm	5 Schubladen: 2x 75 mm, 1x 100 mm, 2x 125 mm, 1x 200 mm	ELH3.0013
705 x 736 x 1019 mm	6 Schubladen: 1x 75 mm, 1x 125 mm, 2x 150 mm, 2x 200 mm	ELH3.0014

Suspended container made of steel Division grid: 50 mm
Handles: Aluminum handle strip
Drawers: 100 % full extension, load capacity 50 kg Usable dimensions for size W x D: 380 x 500 mm: 300 x 400 mm Usable dimensions for size W x D: 531 x 500 mm: 450 x 400 mm **Decor:** Housing RAL 7035 light gray as standard, fronts RAL 5012 light blue as standard. Other color variants available on request.

Steel hanging container		
W x D x H	**Division** (front heights, from top to bottom)	**Order no.**
531 x 500 x 465 mm	Door 350 mm	ELH3.0020
380 x 500 x 215 mm	1 drawer: 1x 150 mm	ELH3.0021
531 x 500 x 215 mm	1 drawer: 1x 150 mm	ELH3.0022
380 x 500 x 365 mm	3 drawers: 3x 100 mm	ELH3.0023
531 x 500 x 365 mm	3 drawers: 3x 100 mm	ELH3.0024
380 x 500 x 365 mm	3 drawers: 2x 75 mm, 1x 150 mm	ELH3.0025
531 x 500 x 365 mm	3 drawers: 2x 75 mm, 1x 150 mm	ELH3.0026
380 x 500 x 465 mm	4 drawers: 4x 100 mm	ELH3.0027
531 x 500 x 465 mm	4 drawers: 4x 100 mm	ELH3.0028
380 x 500 x 465 mm	4 drawers: 2x 75 mm, 1x 100 mm, 1x 150 mm	ELH3.0029
531 x 500 x 465 mm	4 drawers: 2x 75 mm, 1x 100 mm, 1x 150 mm	ELH3.0030
380 x 500 x 565 mm	5 drawers: 5x 100 mm	ELH3.0031
531 x 500 x 565 mm	5 drawers: 5x 100 mm	ELH3.0032
380 x 500 x 565 mm	5 drawers: 2x 75 mm, 2x 100 mm, 1x 150 mm	ELH3.0033
531 x 500 x 565 mm	5 drawers: 2x 75 mm, 2x 100 mm, 1x 150 mm	ELH3.0034

Roll container made of steel

Division grid: 50 mm
Handles: Aluminum handle strip
Drawers: 100 % full extension, load capacity 100 kg Usable dimensions for size W x D: 531 x 500 mm: 450 x 400 mm
Castors: 4x swivel castors, Ø 80 mm, 2 of which are detectable
Decor: Housing RAL 7035 light gray as standard, fronts RAL 5012 light blue as standard. Other color variants available on request.

Steel roller container		
W x D x H	**Division** (front heights, from top to bottom)	**Order no.**
531 x 500 x 625 mm	4 drawers: 4x 100 mm	ELH3.0040
531 x 500 x 625 mm	4 drawers: 2x 75 mm, 1x 100 mm, 1x 150 mm	ELH3.0041
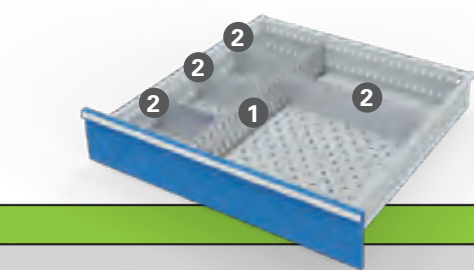
Partitioning material for drawers

1 Center drawer runners for drawers			
Drawer front height	**Center rail** in 50 mm grid		
	Useful dimension 400 mm	**Useful dimension 450 mm**	**Useful dimension 600 mm**
75 mm	ELH3.4075	ELH3.4575	ELH3.6075
100 mm	ELH3.4010	ELH3.4510	ELH3.6010
150 mm	ELH3.4015	-	-

2 divider for drawers					
Drawer front height	**Partition** to slide in between outer wall / middle shelf rail or 2 middle shelf rails				
	100 mm	**150 mm**	**200 mm**	**250 mm**	**300 mm**
75 mm	ELH3.1075	ELH3.1575	ELH3.2075	-	ELH3.3075
100 mm	ELH3.1010	ELH3.1510	ELH3.2010	-	ELH3.3010
150 mm	ELH3.1015	ELH3.1515	ELH3.2015	ELH3.2515	ELH3.3015
200 / 250 / 300 mm	ELH3.1020	ELH3.1520	ELH3.2020	ELH3.2520	ELH3.3020

Divider sets for drawers (consisting of middle shelf rails 1 and metal dividers 2)				
Drawer front height	**for drawer size 450 x 400 mm**		**for drawer size 450 x 600 mm**	
	Set 1, 8-piece Center compartment: 2 x 400 mm Partition wall: 6 x 150 mm	**Set 2, 15-piece:** Center compartment: 3 x 400 mm Partition wall: 9 x 100 mm, 3 x 150 mm	**Set 3, 10-piece** Center compartment: 2 x 600 mm Partition wall: 3 x 100 mm, 2 x 150 mm, 3 x 200 mm	**Set 4, 25-piece** Center compartment: 4 x 600 mm Partition wall: 5 x 50 mm, 16 x 100 mm
75 mm	ELH3.4075.S1	ELH3.4075.S2	ELH3.6075.S3	ELH3.6075.S4
100 mm	ELH3.4010.S1	ELH3.4010.S2	ELH3.6010.S3	ELH3.6010.S4
150 mm	ELH3.4015.S1	ELH3.4015.S2	ELH3.6015.S3	ELH3.6015.S4
200 mm	ELH3.4020.S1	ELH3.4020.S2	ELH3.6020.S3	-

Parallel vices

Parallel vice

Forged from steel, robust and unbreakable. Very precise clamping possible. Spindle wrench with riveted steel circlips.
Surface-hardened clamping jaws and forged pipe clamping jaws.

High, optimally distributed clamping force thanks to centrally arranged, well-protected spindle with double-running trapezoidal thread for fast opening and closing.
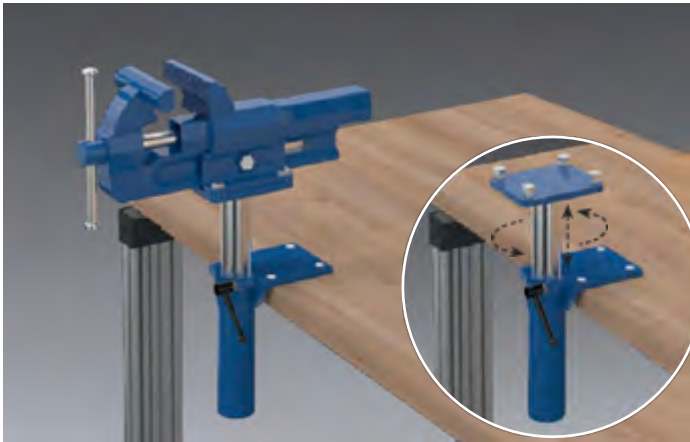

Turntable for parallel vice
Rotates 360°.

Turntable for parallel vice		
for jaw width	Weight	Order no.
100 mm	1.8 kg	ELH4.100.2
120mm	2.5 kg	ELH4.120.2
140 mm	5.0 kg	ELH4.140.2
160 mm	7.5 kg	ELH4.160.2
180 mm	7.5 kg	ELH4.180.2

Automatic height adjuster for parallel vice
Infinitely height-adjustable up to 200 mm using a clamping lever and gas pressure spring. Rotates through 360°. Weight: 10 kg.

Folding lift for parallel vice
Fold, lift, turn.
The folding lift can be adjusted in height by 175 mm and rotated through 360°.
Weight: approx. 14 kg.

Parallel vice					
Jaw width	Span	Clamping depth	Clamping range for pipes	Weight	Order no.
100 mm	125 mm	50 mm	Ø 16 - 30 mm	4.5 kg	ELH4.100.1
120mm	150 mm	65 mm	Ø 16 - 55 mm	9.0 kg	ELH4.120.1
140 mm	200 mm	80 mm	Ø 27 - 70 mm	16.0 kg	ELH4.140.1
160 mm	225 mm	100 mm	Ø 27 - 100 mm	27.0 kg	ELH4.160.1
180 mm	225 mm	100 mm	Ø 10 - 27 mm	29.0 kg	ELH4.180.1

Automatic height adjuster for parallel vice		
for jaw width	Permissible load	Order no.
100 mm	4 - 10 mm	ELH4.100.3
120 mm	4 - 10 mm	ELH4.120.3
140 mm	10 - 16 mm	ELH4.140.3
160 mm	16 - 29 mm	ELH4.160.3
180 mm	16 - 29 mm	ELH4.180.3

Folding lift for parallel vice		
for jaw width	Permissible load	Order no.
120 mm	4 - 10 kg	ELH4.120.4
140 mm	10 - 16 kg	ELH4.140.4

Spannfix jointed vices

EMC tables/EMC workbenches

erfi

Spannfix articulated vices

The clamping vice can be configured with various components to suit the respective application. It can be easily mounted on any work table.

Ordering example, fig. right:
1. **Spannfix foot** with ball joint order no.: ELH3.007
2. **Quick turning device**   Order no.: ELH3.006
3. **Circuit board holder**   Order no.: ELH3.002
4. **Cover plate** Bracket   Order no.: ELH3.003

Screw head
Technical data:
Clamping pressure: 150 kp
Clamping depth: 38 mm
Clamping width: 70 mm
Weight: 0.56 kg

Jaw width: 50 mm
Jaws: Plastic

Order no.: ELH3.001

Angle adapter
Can be used as an accessory with any work head. Enables an even wider turning circle. Weight: 0.095 kg.

Order no.: ELH3.005

Board holder
Adjustable clamping width, can be extended at any time. Work-friendly clamping by adjusting the center position, touch-safe mounting, firm clamping of the printed circuit board due to built-in spring suspension in the mounting bars. Weight: 0.28 kg.

Order no.: ELH3.002

Quick turning device
With permanently attached angle adapter. Enables lightning-fast rotation of the PCB holder with PCB and cover plate by 180°. Weight: 0.27 kg.

Order no.: ELH3.006

Cover plate for equipped frames
For use in conjunction with the circuit board holder. Covered with 20 mm foam. Components of different sizes are pressed on so that soldering is possible after turning.
Weight: 0.26 kg   Size: 240 x 130 mm

Order no.: ELH3.003

Spannfix foot with ball joint
With table clamp attachment for screwing to worktables with a max. worktop thickness of 80 mm.
Weight: 0.95 kg.

Order no.: ELH3.007

Universal clamping plate
Slots designed for common standard screws for building prototypes or for holding e.g. tuners, line transformers, loudspeakers etc. Weight: 0.12 kg.

Order no.: ELH3.004

Spannfix suction foot with ball joint
With threaded pin M12 x 1.5 for fixed mounting on suction base.
Base plate size: 150 x 105 mm, weight: 0.80 kg.

Spannfix suction foot to be attached to the worktop via toggle lever. Weight: 0.65 kg

Order no.: ELH3.008

EMC table
The electromagnetically compatible table is made entirely of wood for use in EMC laboratories.
Table top: beech multiplex, 30 mm thick.
Frame: Sturdy wooden construction without metal components and connecting elements.

The table is available with or without a mobile frame / castors. 2 of the castors are lockable.

Optional equipment
Stainless steel plate: Alternatively, the EMC table can also be fitted with a stainless steel plate (natural).

Technical properties: V2A, 2 mm thick, not ground, rounded at the front.
Fastening: Screw connection on the top.

Order no. Stainless steel plate: ELCM.EP

EMC table		
Tischgröße (W x D x H)	**without chassis**	**with mobile frame**
1.600 x 600 x 780 mm / 63 x 23,62 x 30,71"	EMV.1661	EMV.1661.F
1.600 x 850 x 780 mm / 63 x 33,46 x 30,71"	EMV.1681	EMV.1681.F
1.600 x 1.000 x 780 mm / 63 x 39,37 x 30,71"	EMV.1611	EMV.1611.F
1.800 x 600 x 780 mm / 70,87 x 23,62 x 30,71"	EMV.1861	EMV.1861.F
1.800 x 850 x 780 mm / 70,87 x 33,46 x 30,71"	EMV.1881	EMV.1881.F
1.800 x 1.000 x 780 mm / 70,87 x 39,37 x 30,71"	EMV.1811	EMV.1811.F
2.000 x 600 x 780 mm / 78,74 x 23,62 x 30,71"	EMV.2061	EMV.2061.F
2.000 x 850 x 780 mm / 78,74 x 33,46 x 30,71"	EMV.2081	EMV.2081.F
2.000 x 1.000 x 780 mm / 78,74 x 39,37 x 30,71"	EMV.2011	EMV.2011.F

System components for wet laboratories

Base tables for wet laboratories
Frame: Seamless and completely welded steel frame (40/40 mm). Cleanly ground, without visible weld seam, powder-coated. Height incl. table top always 900 mm.
Properties: Very good chemical resistance to acids and alkalis, even after prolonged exposure.

Table tops: Always with 30 mm overhang. **Trespa with beaded edge:** Phenolic resin solid core board.
Decor: Light gray, white.
Bead edge: Epoxy resin bonded with epoxy resin.
Thickness: 20 / 27 mm (beaded edge: 7 mm).

Composite ceramic with expoxy bead: Glazed laboratory tiles. Core board E1, melamine resin-coated on both sides in accordance with DIN 68761.
Decor: white (similar to RAL 9010). **Properties:** Resistant to alkalis and acids with epoxy resin grouting.
Bead edge: Epoxy resin.
Thickness: 30/37 (beaded edge 7 mm).

Base units
Drawer cabinet: W: 620 x D: 580 x H: 830 mm. Drawer division: 3x 3 U, 2x 2 U, made of steel, fully organizable. Usable depth 490 mm.
Hinged door wardrobe:
Variable width, depending on table width.
D: 580 x H: 830 mm, with 2 hinged doors, lockable, 2 adjustable shelves, 12 mm rear panel.
Decor: Light gray, non-conductive.
Handle: Shell handle
Base: 150 mm high for media routing.

Extension of basic tables for wet laboratories
The base tables of the wet laboratories can be extended using an adapter plate to accommodate Expand profiles 1 or 2 and storage shelves. See from page 92 (L-profile) and from page 129 (Expand profile 2).

Additional options - available on request!
❶ Washbasin: Polypropylene basin 400 x 400 x 250 mm incl. accessories. Stand mixer for was- (WTK/WTW), hot and cold drinking water, with swivel spout. Connection thread 1/2" A. Height 300 mm. Optionally available with a demineralized water fitting.
❷ Eye shower: Hand-held eye shower for table mounting.
❸ Propane gas fitting for the expansion duct 2: *acto* appliance series® . Insert plate 113 mm high, 28 TE wide. Device front: Anodized aluminium plate. Passage fitting, type 25304198131-40, UniFlex A50 quick coupling, gas plug-in nozzle, LPG media code, incl. elbow and Uniflex hose, 1000 mm long**.**
❹ Waste garbage can: Folding waste garbage can for integration into a base unit, approx. 500 mm wide.

Splash guard made of Makrolon
Approx. 8 mm thick, variable height. Mounting via bracket on the back.

Digistorium / bench-top fume cupboard: With rear wall installation, support beam technology and "roller-free" flow in the interior. **Available sizes:** Width: 1200 / 1500 / 1800 / 2100 mm, depth 900 mm, height incl. substructure 2700 mm, working height: 900 mm.
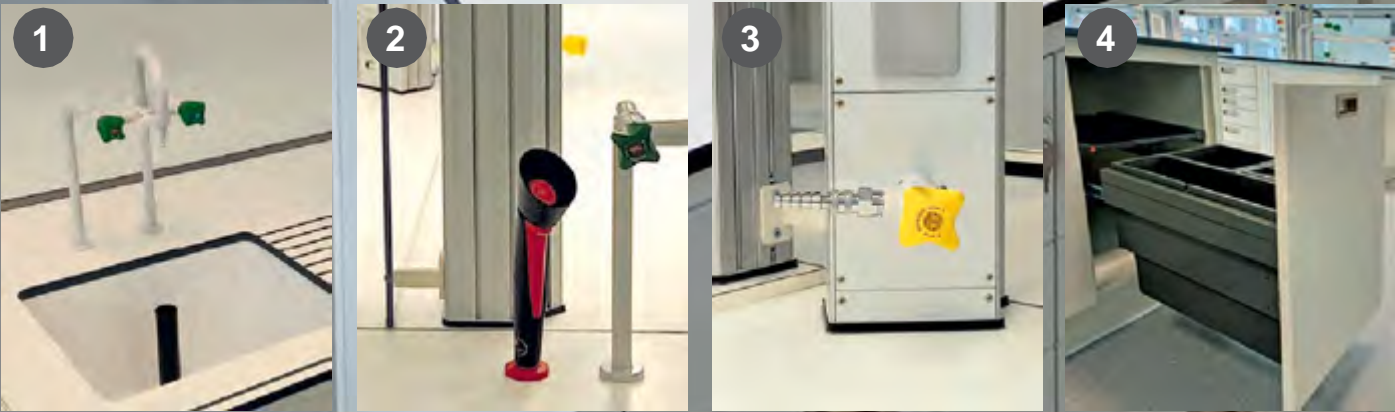
elneos® Wet labs

Base tables for wet laboratories, height always 900 mm

Length	Depth	Substructure	Table top each with beaded edge	
			Trespa 20 / 27 mm	Composite ceramic 30 / 37 mm
1,200 mm	750 mm	1 hinged door cupboard, 1040 mm wide	ELCN.1.1271	ELCN.1.1272
1,600 mm	750 mm	1 drawer cabinet, 620 mm wide 1 hinged door cupboard, 900 mm wide	ELCN.1.1671	ELCN.1.1672
1,800 mm	750 mm	1 drawer cabinet, 620 mm wide 1 hinged door cupboard, 1,100 mm wide	ELCN.1.1871	ELCN.1.1872
2,000 mm	850 mm	2 drawer cabinets, 620 mm wide 1 hinged door cupboard, 680 mm wide	ELCN.1.2071	ELCN.1.2072

Storage shelves for wet laboratories
Material: Trespa, 19 mm. Also available with functional profile. See page 104.

Storage shelves for wet laboratories

Length	Depth	with substructure profile	without substructure profile
1,200 mm	270 mm	ELCN.3.1.1221	ELCN.3.2.1221
1,600 mm	270 mm	ELCN.3.1.1621	ELCN.3.2.1621
1,800 mm	270 mm	ELCN.3.1.1821	ELCN.3.2.1821
2,000 mm	270 mm	ELCN.3.1.2021	ELCN.3.2.2021

elneos® orgatower
the worktime experience

erfi

Wide range of model variants

Locker option

Material piles

Numerous front decors

Magnetic front

Handle-free drawer design

Separate excerpt

Telescopic shelves

Retractable inner body

elneos® orgatower
the worktime experience

The models in our new *elneos orgatower* series are flexible and modular organizational talents for all technical and commercial professions. They meet all requirements in the industrial and educational sectors in equal measure.

The *elneos orgatower* expands the workplace with additional storage space and enables flexible use thanks to functional units. The elneos orgatower can be set up either to the left or right of the workplace. Some models also offer free use from both sides.

Flexible and compact

the worktime experience

The elneos orgatower is ideal for the modern office.
When retracted, the letterbox, brochure holder, lockable
compartments and drawers are accessible. When
extended, additional compartments, drawers, pull-out shel-
ves and a power supply with snap function are available.

Note: The models shown
may include optional extras.

Versatile and mobile
the worktime experience

This model offers different possibilities of use due to its two-part body. The seat offers a space for meetings and can be used with the upper part of the body retracted. The integral indication light signals whether the body is open or closed.

Note: The models shown
may include optional extras.

erfi

elneos® orgatower
the worktime experience

The models of the new series elneos orgatower are real organizational wonders. The interior of the cabinets can be retracted and extended manually or by electric motor as a flexible cabinet element. In the retracted state, the objects are safely stored and in the extended state freely accessible. The organisational units allow flexible use and, though electrification, various devices can be connected.

The features at a glance
- Lockable cabinet fronts and drawers
- Internal organization freely configurable
- Support rail for material chutes
- Touch-to-open drawer opening function
- Numerous front decors to match the outer body
- Recordings for DINA4 didactic teaching aids
- Electrification through internal profile technology
- Magnetic front as pinboard function
- Acoustic surfaces for sound insulation
- Electronic locking system with remote control
- Indication light for status display open-closed
- Twintower for use on both sides
- And much more

erfi

Outer shell and inner workings

Colours of the outer corpus

The outer corpus of the elneos orgatower is available in front white and graphite black. The colour of the outer body is coupled with the choice of a front decor. The combination of the front decors with two exterior body colours is shown on the following pages.

The front decors with order numbers ELCOD1 to ELCOD10 are available for the outer body in front white and the front decors with order numbers ELCOD11 to ELCOD20 are available for the outer body in graphite black.

Inner life and inner body

The inner body with all internal parts such as drawers, drawer fronts, side walls, shelves and pull-outs is always equipped with front white decor as standard. The internal drawer fronts can also be ordered in the selected front decor as an option.

All order options for the elneos orgatower can be found on the following pages. The ordering process is explained in detail on page 28. Seite 296 erklärt.

Laser-edge technology for all decors

Due to a new laser technology for edge fusion, we offer incomparable quality for all wood elements. All decors have a jointless connection with a permanent connection.

The fusion of edge and panel increases the heat resistance as well as the moisture resistance of the components. The colour of the material layer is exactly matched to the decorative layer and the result is a visual effect that of a full material. The laser edge technology has a special hardness of the material layer and the rubbing out of the joint in everyday life is prevented – dirt joints are a matter of the past.
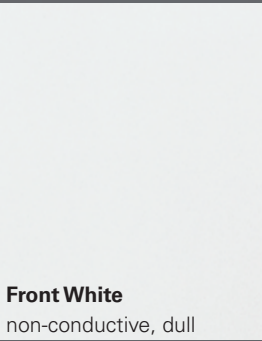
All joints of the decors in laser-edge technology

Inner body in front white

Interior drawer fronts in front white

Front decors ELCOD1 till ELCOD10

Outer corpus in front white

Inner body in front white

Interior drawer fronts in front white

Outer corpus in graphite black

Front decors ELCOD11 till ELCOD20
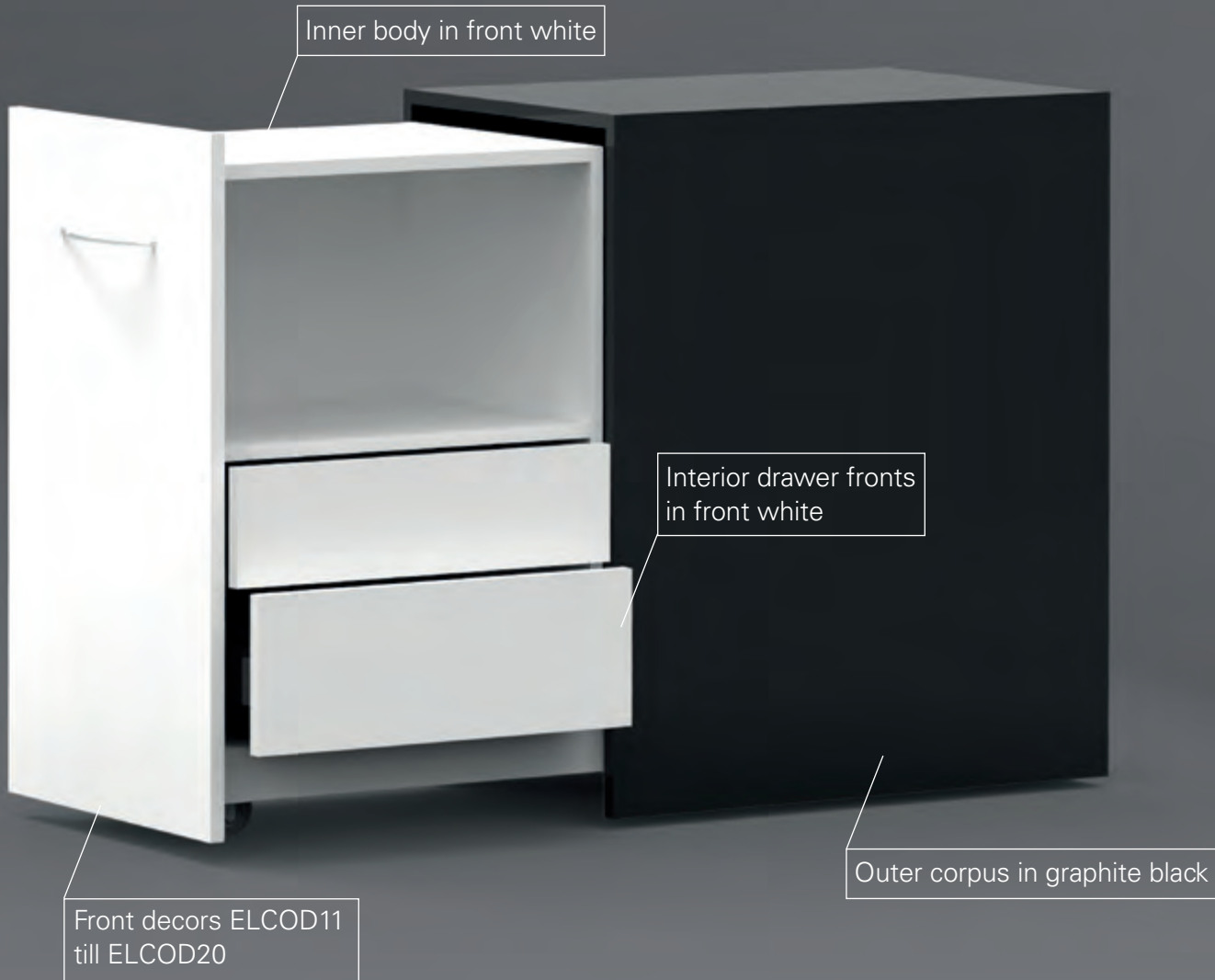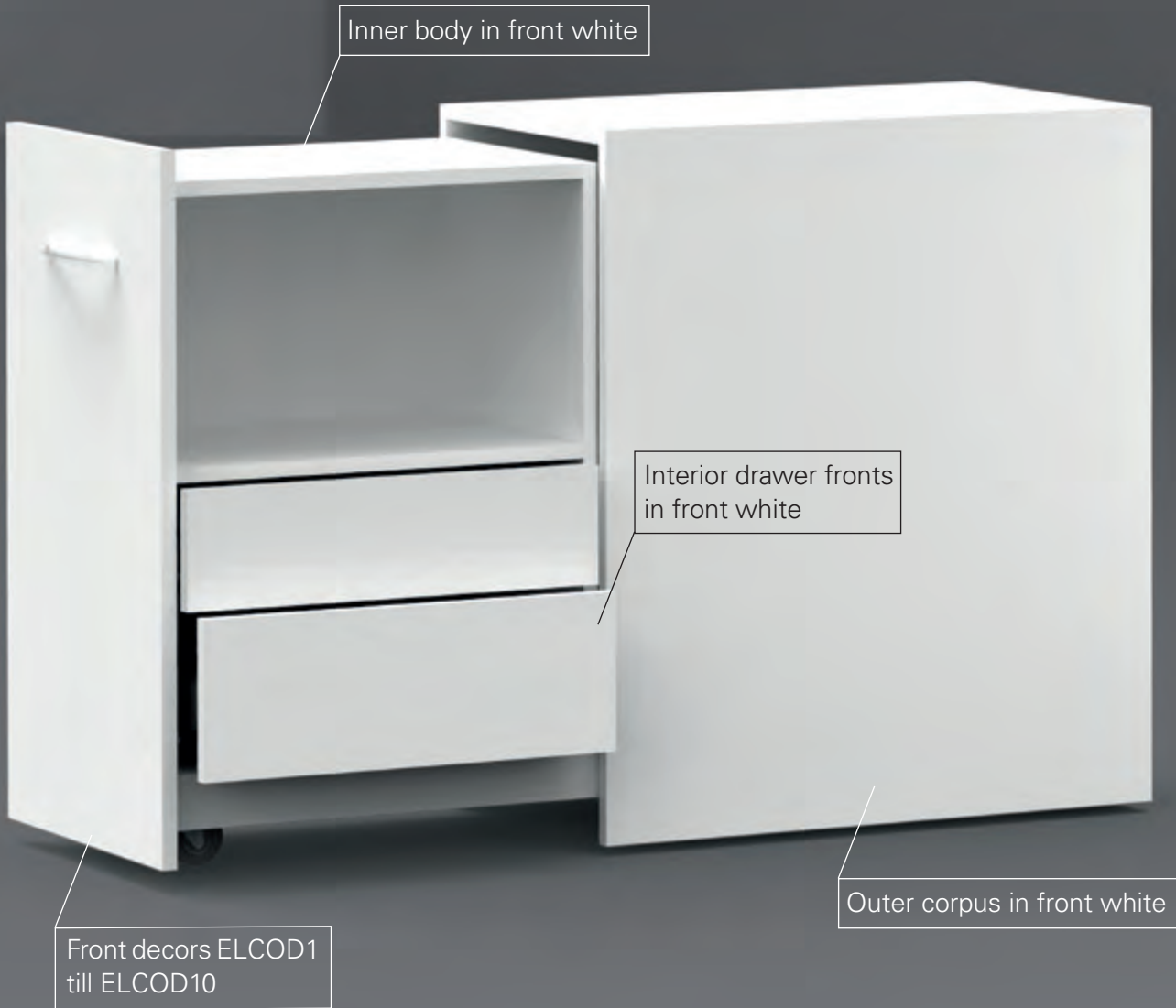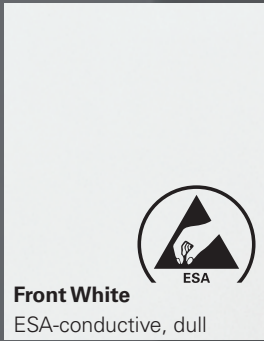
Front decors for white fronted cabinets

Front decors for graphite black body

Corpus front white				
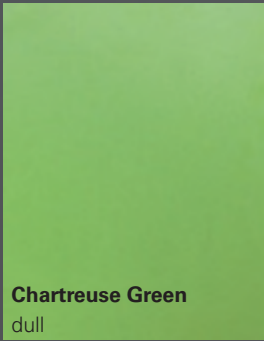
Front White
non-conductive, dull
Order no.: ELCOD1
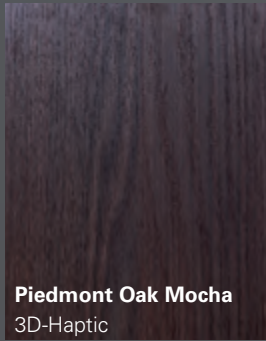
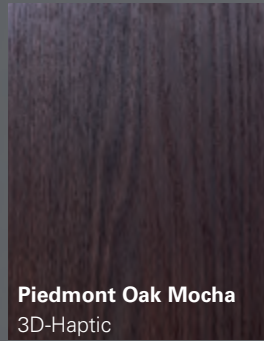**Front White**
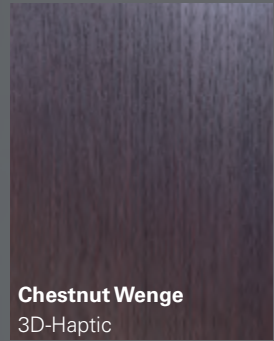ESA-conductive, dull
ESA
Order no.: ELCOD2
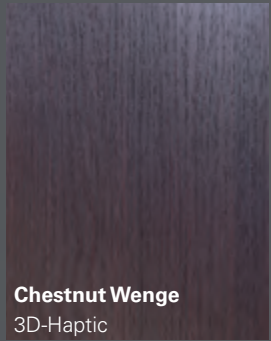
Chartreuse Green
dull
Order no.: ELCOD3
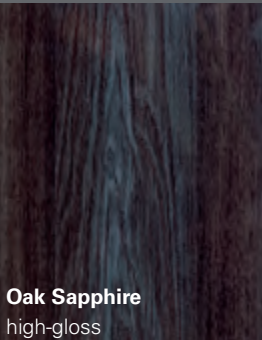
Piedmont Oak Mocha
3D-Haptic
Order no.: ELCOD4
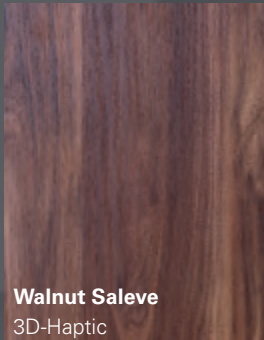
Chestnut Wenge
3D-Haptic
Order no.: ELCOD5
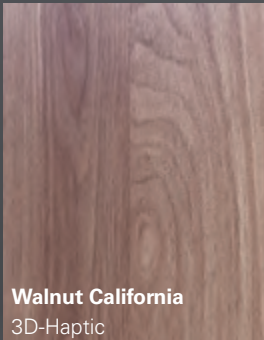
Oak Sapphire
high-gloss
Order no.: ELCOD6
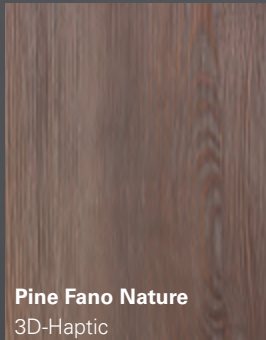
Walnut Saleve
3D-Haptic
Order no.: ELCOD7
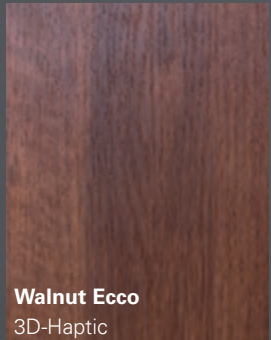
Walnut California
3D-Haptic
Order no.: ELCOD8

Pine Fano Nature
3D-Haptic
Order no.: ELCOD9

Walnut Ecco
3D-Haptic
Order no.: ELCOD10

Corpus Graphite Black				

Front White
non-conductive, dull
Order no.: ELCOD11

Maple Kiruna
dull
Order no.: ELCOD12

Chartreuse Green
dull
Order no.: ELCOD13

Piedmont Oak Mocha
3D-Haptic
Order no.: ELCOD14
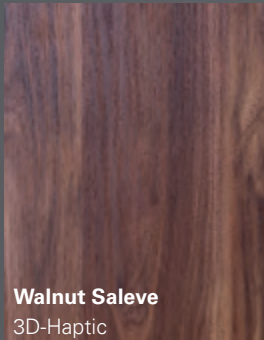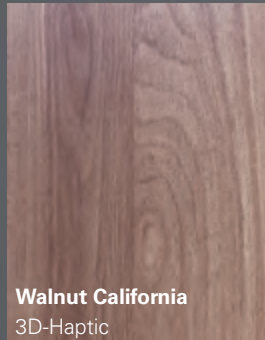
Chestnut Wenge
3D-Haptic
Order no.: ELCOD15
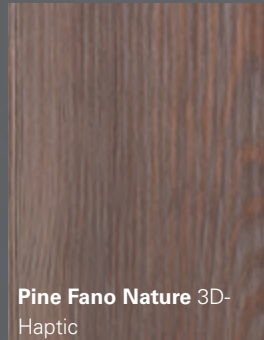
Douglas fir White
3D-Haptic
Order no.: ELCOD16

Walnut Saleve
3D-Haptic
Order no.: ELCOD17
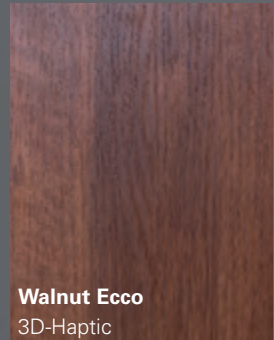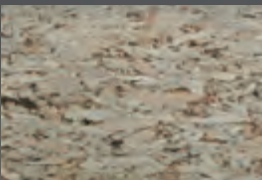
Walnut California
3D-Haptic
Order no.: ELCOD18

Pine Fano Nature 3D-Haptic
Order no.: ELCOD19

Walnut Ecco
3D-Haptic
Order no.: ELCOD20

The front decors of the elneos orgatower

The decors offer a variety of possibilities to set specific accents. If you have decided for a front decor, you can optionally order the interior drawer fronts in the same decor. With decor ELCOD1, ELCOD2 and ELCOD11, its drawer fronts are always front white.

The special decor „Magnetic Front"

This special decor offers a magnetic pinboard function. Plans, notes etc. can be attached to the front of the orgatower with magnets. The decor is high-gloss and can be combined with a front white or graphite black body. Even if you choose an ESD-conductive version, this special decor can be used for the front.

Corpus Front White	Corpus Graphite Black

Magnetic Front
high-gloss, dull
Order no.: ELCOD21
Order no.: ELCOD22 (ESA)

Magnetic Front
high-gloss, dull
Order no.: ELCOD23

Cross-section raw chip

Cross-section raw chip ESA, conductive

Standard plate material

The core of the panel material consists of raw chipboard and meets the technical standards of DIN.

Technical data: Raw chipboard, chipboard with fine chipboard top layer according to DIN EN 312 CE. The board is coated on both sides with melamine resin. *Chemical resistance:* against organic solutions medium, weak acids and alkalis, petrol, oil.
Bulk density: approx. 620 kg/m^3

ESA-conductive plate material

With this material, the entire outer body, the inner body and all drawers are manufactured in ESD design (front decor Order no.: ELCOD11). The models also have metal height adjusters and a socket for safe earthing.

Technical data: ESA raw chipboard, electrostatically conductive raw chipboard with fine chipboard surface layer in accordance with DIN 61340-5 Parts 1 and 2 (volume-conductive). The plate is coated on both sides with a conductive melamine resin coating. *Chemical resistance:* against organic solvents medium, weak acids and alkalis, petrol, oil. *Contact resistance:* R_D 1x10^4 till 1x10^9 Ohm *Bulk density:* approx. 620 kg/m^3

Note: The decor representation on the monitor or in the print version may differ from the original decor.

Mounting profile

Office filing units

Laser-edge technology

Drawer fronts with touch-to-open function

Locker

standard equipment

Standard equipment of the models
Each model offers different possibilities. For example, in model 1, the shelves are equipped with and model 58 offers a wide range of special function a lockable mailbox.

Hanging files and drawers
The devices for hanging files are generally included if the drawer height is 6 U (models 45, 48, 59). All internal drawers are fully organisable and can be opened via touch-to-open.

Mounting profiles
The mounting profiles and rails for material trays or office filing elements are ready for use configured set (models 4, 29, 30, 45).

Shelves with grooved mats
For space-saving and safe storage of DINA4 didactic teaching aids, these shelves are equipped with grooved mats (models 1, 2, 20, 21, 40, 41).

Letter slot and brochure holder
For internal mail, Model 58 offers a mail slot combined with a lockable subject. In addition, this model offers a holder for magazines or brochures.

Valuable compartment with lock
Some models have a lockable compartment for storing important documents (models 45, 46, 47, 48, 58).

Manual locking
All models can be closed manually as standard (Softclose) and locked with a lock. Twintowers are equipped with two locks. Electronic central locking is available as an option (optional extra on page 24-27). (Sonderausstattung ab Seite 293).

Electrification
Some models offer electrification via the Expand 2 aluminium profile with shockproof sockets and RJ45 sockets (7, 27, 45, 50, 51, 52, 53, 54, 58).

Brush strip and cable gland
The brush strip and the cable outlet in the shelf allows cables to pass through. This allows devices to be connected even when on different levels. (models 7, 27, 28, 50, 52).

Seat cushion
The seat cushion is only available for the small and large elneos orgatower. Front decors with a wood decor, the cushion colour changes automatically from green to black (models 13, 14, 53, 54, 55, 56).

Shelves with grooved mats

Seat cushion in green

Brush strip in shelf

Suspension file in drawer with 6 HE

Deposit channel and functional groove

Indication light

Aluminium profile Expand 2 with electrification

special equipment

Special equipment
In addition to the standard equipment you have the Possibility to order additional functions. The order numbers can be found at the end of the text.

Indication light
The indication light indicates whether the elneos orgatower is open or closed. The red light color indicates the open state and green indicates the closed state. The aluminium profile of the indication light provides edge protection, a storage channel for small utensils and a functional groove.
Order no.: ELCO100.1

Electronic central locking system
The electronic central locking function is supplied with a transponder for locking.
Order no.: ELCO100.2

Motorised pull-out with radio remote control
The motorized pull-out enables the motorized retraction and extension of the inner body (not in the connection with electronic central locking).
Order no.: ELCO100.3

Cable sets for cabling in series
The cable sets are suitable for elneos orgatower, which stand between two tables. A rear mounted cable duct allows the cabling in series and a corresponding screen serves as privacy screen. The cable set includes a correspondingly wide cover and a cable duct with or without electrification. The front panel decor is adapted to the respective colour of the outer body and also the front panel width to the selected model.

elneos orgatower with cable set electrification table depth 1000 mm

elneos orgatower with cable set table depth 850 mm

Cable set table depth 850 mm
• Cover in 50 mm depth
• PVC cable duct, pure white, access from above
Order no.: ELCO100.4

Cable set table depth 1000 mm
• Cover in 200 mm depth with cable outlet socket
• Aluminium cable duct (empty), access from above
Order no.: ELCO100.5

Cable set electrification table depth 1000 mm
• Cover in 200 mm depth with cable outlet socket
• Aluminium cable duct with 3 sockets and 2 RJ45 sockets, access from above
Order no.: ELCO100.6

special equipment

Acoustic surface

Room acoustic orgatower

The elneos orgatower can also be ordered as room-acoustic furniture with an acoustic decor. This acoustic decor is only available in decor colour front white for the outer and inner body. The side walls, the rear wall of the outer body and the outer front of the extendable inner body are manufactured in a sound-absorbing surface.

The acoustic surfaces are used for sound absorption of speech, noises and sounds in accordance with the surroundings. All models optionally available.
Order no.: ELCO100.7

This special equipment brings the acoustic functionality into harmony with the formal aesthetics which noticeably improves the working atmosphere. The orgatower is positioned as a functional and aesthetic room element in industrial laboratories as well as in classrooms in all subject areas. The material guarantees a short reverberation time and a very high degree of sound absorption.

Structure of the acoustic surface
A) HDF-deck with perforated direct coating
B) Circulating frame
C) Optimized acoustic fleece
D) Acoustic absorbing special filler
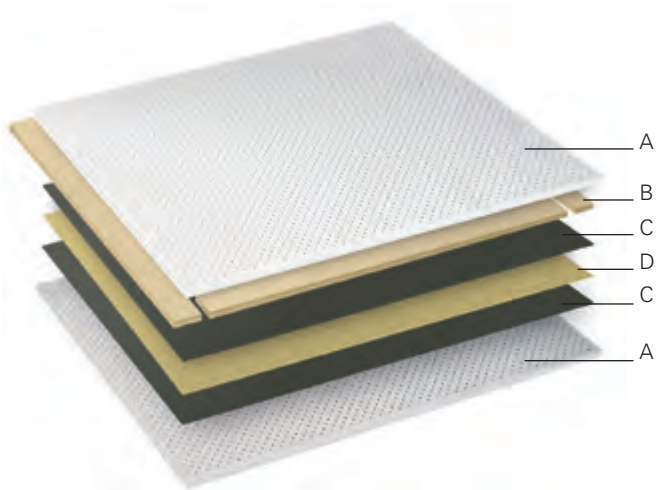
Technical data and features
Sound absorption coefficient (α)
The sound absorption coefficient α indicates the ratio of the absorbed part of the sound to the occurring strength of the sound. If the sound is completely reflected, the following applies $\alpha = 0$, in the case of complete absorption is $\alpha = 1$. The high-quality acoustic materials used here have a weighted sound absorption coefficient of $\alpha_w = 0,75$.

Equivalent sound absorption area A
Multiply the sound absorption coefficient (α) of the component by its area in m^2, the sound-absorbing efficiency is obtained in m^2 or the equivalent sound absorption surface A. This is a model surface which absorbs completely, i.e. whose sound absorption coefficient = 1.

All absorption properties are concentrated in this area, which can be thought of as an open window area. On average, the following equivalent sound absorption areas A result:
Small models (780 mm height): A = 1,23 m^2
Medium models (900 mm height): A = 1,42 m^2
Large models (1.200 mm height): A = 1,89 m^2

A large model therefore provides an area of 1.89 m^2, which absorbs sound 100%. If 10 of these elneos orgatowers are used in a room, 18.9 m^2 contribute of the sound absorption in the room.

Improved reverberation time
If the acoustic components are installed in the elneos orgatower, the reverberation time improves significantly. By shortening the reverberation time, maximum intelligibility of the speech is achieved.

Economic aspect
Due to the visually unobtrusive integration of the acoustic components, very good sound absorption can be achieved. Additional sound absorption panels to be attached to ceilings and walls can in most cases be reduced in order to reduce the overall costs.

A
B
C
D
C
A

Room acoustic orgatower with acoustic decor in the outer body and the front.

Note: In addition to furnishings, ceiling, floor and wall materials determine room acoustics.

order configuration

orgatower – small

Configuration of the models

With the series elneos orgatower we offer you numerous models, which you can adapt additionally. An order builds itself by several order numbers:
1. choice of model
2. choice of the front decor
3. option drawer front in front decor
4. option special equipment

1. Choice of model
1. Wahl des Modell

Wählen Sie ein Modell mit der entsprechenden Bestellnummer ab Seite 297 aus. Haben Sie sich für ein Modell entschieden, wählen Sie Ausrichtung „.L" für links neben dem Tisch oder „.R" für rechts neben dem Tisch. Dabei ersetzen Sie das .X nach der Modellnummer mit einem „.L" oder „.R".

Einzelne Modelle besitzen eine Twinoption und sind beidseitig mit jeweils derselben Ausstattung nutzbar. Diese Modelle sind mit der Twinoption ausgezeichnet und die Festlegung von „.L" oder „.R" entfällt.

Model | Orientation (replace X with .L or .R)

2. Wahl des Frontdekor

Wählen Sie ein Frontdekor des orgatowers von Seite 288/Seite 289 aus. Durch die Wahl des Frontdekors wird die Farbe des Außenkorpus geregelt.

3. Option Schubladenfronten im Frontdekor

Optional können Sie die innenliegenden Schubladenfronten im gewählten Frontdekor bestellen. Dies gilt für alle Frontdekore außer für ELCOD1, ELCOD2 und ELCOD11. Für die Bestellung dieser Option verwenden Sie eine eigene Bestellnummer.
Bestellnr.: ELCO100.8

4. Option Sonderausstattung

Funktionen wie z.B. ein Indikationslicht oder eine Zentralverriegelung sind optional und besitzen eine eigene Bestellnummer. Die Informationen zur Sonderausstattung finden Sie ab Seite 293.
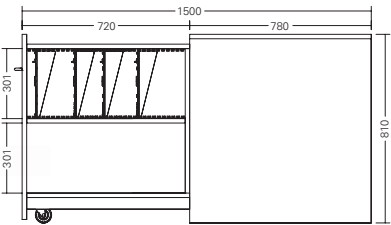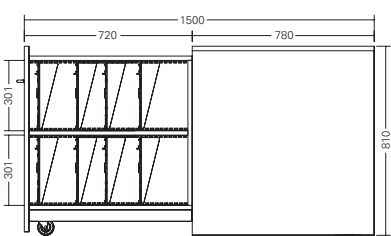
Order no. as shown:
ELCO1 (Twintower)

Order no.: ELCO1
H 810 x W 622 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
• 1 shelf for DIN A4 teaching material, or didactic boards per side
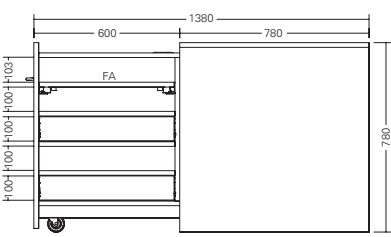
Order no. as shown:
ELCO2.L (left-hand version)

Order no.: ELCO2.X
H 810 x W 622 x D 800 mm, open D 1500 mm
Equipment inner body:
• 2 shelves for DIN A4 teaching aids, or didactic boards per side

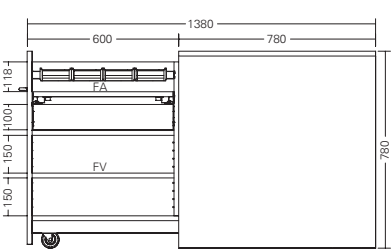Order no. as shown:
ELCO3.L (left-hand version)

Order no.: ELCO3.X
H 780 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
• 2 shelves, divided by 1 pull-out shelf
• 1 large drawer 2 HU
• 1 shelf
• 1 large drawer 2 HU

Order no. as shown:
ELCO4.L (left-hand version)

Order no.: ELCO4.X
H 780 x W 500 x D 800 mm, open D 1380 mm
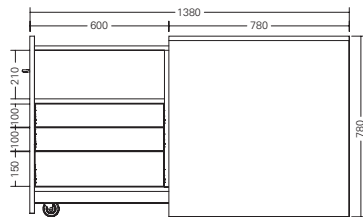**Equipment inner body:**
• 1 mounting rail incl. gripper bowl set
• 1 pull-out shelf
• 1 large drawer 2 HU
• 2 shelves with adjustable shelf

Order example left
Model: ELCO27L (Model 27, Left)
Front decor: ELCOD3 (Chartreuse Green)
Option: ELCO100.8 (drawer fronts in front decor)

Order example right
Model: ELCO47 (Model 47, Twin)
Front decor: ELCOD18 (Walnut California)

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm; usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)
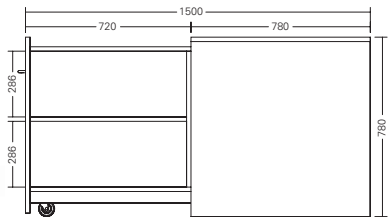
orgatower – small

orgatower – small

Order no.: ELCO5.X

H 780 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 1 shelf
- 2 large drawers 2 HU
- 1 large drawer 3 HU

Order no. as shown:
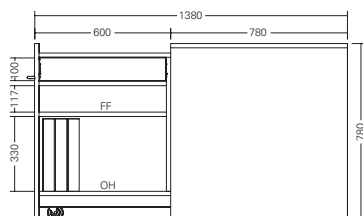ELCO5.L (left-hand version)

Order no.: ELCO9

H 780 x W 400 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
- 1 shelf per side

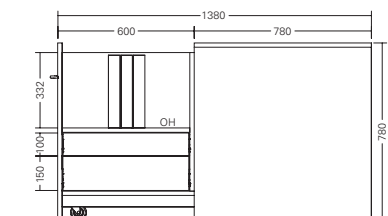Order no. as shown:
ELCO9 (Twintower)

Order no.: ELCO6.X

H 780 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 1 large drawer 2 HE
- 2 shelves with fixed shelf

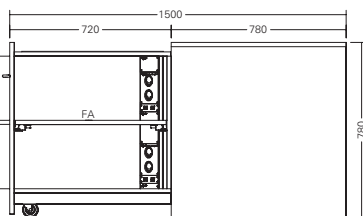Order no. as shown:
ELCO6.L (left-hand version)

Order no.: ELCO10.X

H 780 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 1 shelf
- 1 large drawer 2 HU
- 1 large drawer 3 HU

Order no. as shown:
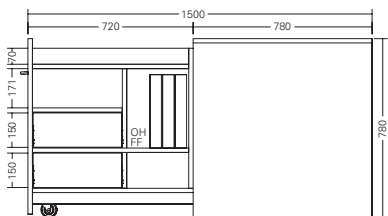ELCO10.L (left-hand version)

Bestellnr.: ELCO7.X

H 780 x B 500 x T 800 mm, offen T 1500 mm
Ausstattung Innenkorpus:
- 1 Ablage mit Bürstenleiste
- 2 x 2 RJ45-Buchsen, Cat. 6, 8-polig
- 2 x 2 Schuko-Steckdosen
- 2 Fächer geteilt durch 1 Auszugsboden

Order no. as shown:
ELCO7.L (left-hand version)

Order no.: ELCO11.X

H 780 x W 500 x D 800 mm, open D 1500 mm
Equipment inner body:
- 1 storage tray on top
- 1 shelf
- 2 DIN A4 drawers 3 HU
- 2 shelves with fixed shelf

Order no. as shown:
ELCO11.L (left-hand version)
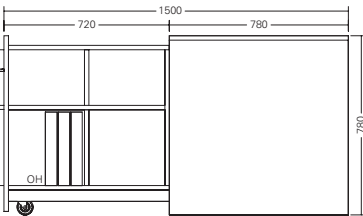
Order no.: ELCO8

H 780 x W 400 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
- 2 shelves per side

Order no. as shown:
ELCO8 (Twintower)
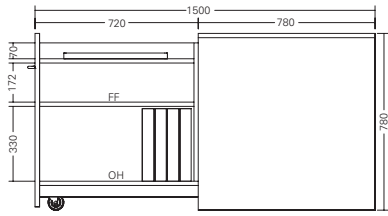
Order no.: ELCO12.X

H 780 x W 400 x D 800 mm, open D 1500 mm
Equipment inner body:
- 1 laptop shelf
- 2 shelves with fixed shelf

Order no. as shown:
ELCO12.L (left-hand version)

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm;
usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

orgatower – small

orgatower – medium

Order no.: ELCO13.X
H 780 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
• 1 seat
• 1 large drawer 2 HU
• 1 large drawer 3 HU

Order no. as shown:
ELCO13.L (left-hand version)

Order no.: ELCO20
H 900 x W 622 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
• 1 split top storage tray
• 1 shelf for DIN A4 teaching aids,
  or didactic boards per side

Order no. as shown:
ELCO20 (Twintower)

Order no.: ELCO14
H 780 x W 400 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
• 1 seat
• 1 tray per side

Order no. as shown:
ELCO14 (Twintower)

Order no.: ELCO21.X
H 900 x W 622 x D 800 mm, open D 1500 mm
Equipment inner body:
• 1 laptop tray
• 2 shelves for DIN A4 teaching aids,
  or didactic boards

Order no. as shown:
ELCO21.L (left-hand version)

Order no.: ELCO22.X
H 900 x W 400 x D 800 mm, open D 1500 mm
Equipment inner body:
• 1 storage tray
• 2 shelves with fixed shelf

Order no. as shown:
ELCO22.L (left-hand version)

Order example left
Model: ELCO11.L (Model 11, Left),
Front decor: ELCOD14 (Piedmont Oak Mocha),
Option: ELCO100.8 (drawer fronts in front decor)

Order example middle
Model: ELCO1.L (Model 1, Left),
Front decor: ELCOD12 (Maple Kiruna)

Order example rigth
Model: ELCO14.L (Model 14, Twintower)
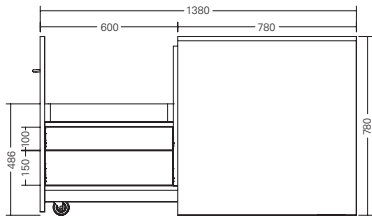Front decor: ELCOD16 (Douglas fir White)

Order no.: ELCO23
H 900 x W 400 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
• 2 shelves per side

Order no. as shown:
ELCO23 (Twintower)

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm,
usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

orgatower – medium

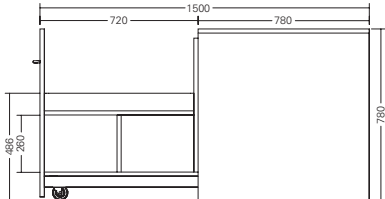Order no. as shown:
ELCO24.L (left-hand version)

Order no.: ELCO24.X

H 900 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 1 shelf
- 1 large drawer 3 HU
- 1 large drawer 4 HU

Order no. as shown:
ELCO25 (Twintower)

Order no.: ELCO25

H 900 x W 500 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
- 1 split shelf
- 2 DIN A4 drawers 3 HU per side
- 1 shelf per page

Order no. as shown:
ELCO26 (Twintower)

Order no.: ELCO26

H 900 x W 400 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
- 1 split shelf
- 2 shelves per side

Order no. as shown:
ELCO27.L (left-hand version)

Order no.: ELCO27.X

H 900 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 1 storage with brush strip
- 2 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 1 shelf with pull-out shelf
- 2 large drawers 2 HU
- 1 large drawer 4 HU

orgatower – medium

Order no. as shown:
ELCO28.L (left-hand version)

Order no.: ELCO28.X

H 900 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 1 storage with brush strip
- 1 shelf with pull-out shelf
- 3 large drawers 2 HU
- 1 large drawer 4 HU

Order no. as shown:
ELCO29.L (left-hand version)

Order no.: ELCO29.X

H 900 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 2 mounting rails incl. gripper bowl set
- 1 pull-out shelf
- 1 large drawer 2 HU
- 1 large drawer 3 HU
- 1 shelf

Order no. as shown:
ELCO30.L (left-hand version)

Order no.: ELCO30.X

H 900 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 2 mounting rails incl. gripper bowl set
- 1 pull-out shelf
- 1 large drawer 2 HU
- 2 shelves with fixed shelf

Order no. as shown:
ELCO31.L (left-hand version)

Order no.: ELCO31.X

H 900 x W 430 x D 800 mm, open D 1500 mm
Equipment inner body:
- 1 pull-out with 3 drawers
- 1 material tray for hanging up
- 1 file bottom insert with screen

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm,
usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

orgatower – medium

Order no.: ELCO32.X

H 900 x W 430 x D 800 mm, open D 1500 mm

Equipment inner body:
• 1 material excerpt
• 1 pull-out with 3 drawers
• 1 file bottom insert with screen

Order no. as shown:
ELCO32.L (left-hand version)

Order example left
Model: ELCO24.L (Model 24, Left),
Front decor: ELCOD19 (Pine Fano),
Option: ELCO100.8 (drawer fronts in front decor)

Order example rigth
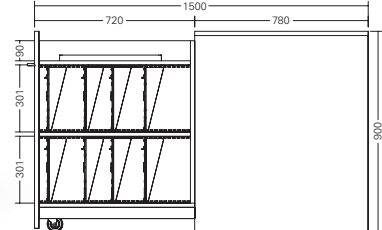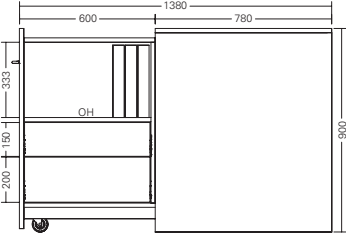Model: ELCO25 (Model 24, Twintower),
Front decor: ELCOD3 (Chartreuse Green),
Option: ELCO100.8 (drawer fronts in front decor)

orgatower – large

Order no.: ELCO40.X

H 1200 x W 622 x D 800 mm, open D 1500 mm

Equipment inner body:
• 1 laptop tray on top
• 3 shelves for DIN A4 teaching aids,
  or didactic boards

Order no. as shown:
ELCO40.L (left-hand version)

Order no.: ELCO41

H 1200 x W 622 x D 800 mm, open D 1500 mm
Twintower for double-sided use

Equipment inner body:
• 1 split shelf
• 3 shelves for DIN A4 teaching aids,
  or didactic boards, both sides open in
  the middle, alternately open top and
  bottom

Order no. as shown:
ELCO41 (Twintower)

Order no.: ELCO42.X

H 1200 x W 400 x D 800 mm, open D 1500 mm

Equipment inner body:
• 3 shelves with fixed shelf

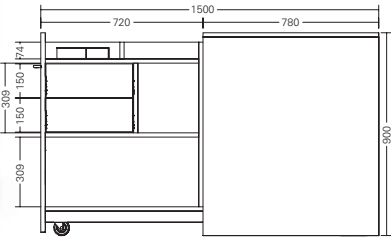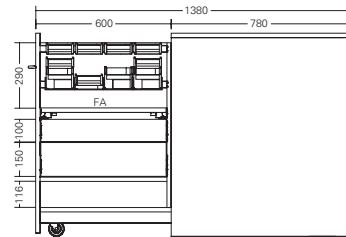Order no. as shown:
ELCO42.L (left-hand version)

Order no.: ELCO43.X

H 1200 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:
• 1 top storage tray
• 2 shelves
• 1 large drawer 2 HU
• 1 large drawer 3 HU

Order no. as shown:
ELCO43.L (left-hand version)

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm,
usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

orgatower – large

orgatower – large

Order no.: ELCO44.X

H 1200 x W 500 x D 800 mm, open D 1500 mm
Equipment inner body:
- 1 top storage tray
- 1 material drawer
- 2 DIN A4 drawers 2 HU
- 2 DIN A4 drawers 3 HU
- 2 DIN A4 drawers 4 HU
- 3 shelves with fixed shelf

Order no. as shown:
ELCO44.L (left-hand version)

Order no.: ELCO45.X

H 1200 x W 500 x D 800 mm, open D 1500 mm
Equipment inner body:
- 1 mounting rail incl. DIN A4 storage tray and pen holder
- 1 flip with 1 shockproof socket, 2 USB sockets, 2 RJ45 sockets, Cat. 6, 8-pin
- 2 DIN A4 drawers 3 HU
- 1 DIN A4 drawer for suspension file 6 HU
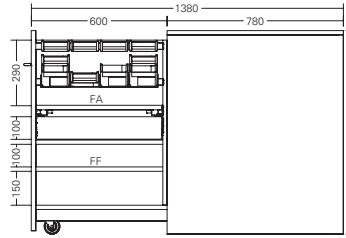- 2 lockable safe-deposit boxes

Order no. as shown:
ELCO45.L (left-hand version)

Order no.: ELCO46

H 1200 x W 500 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
- 2 shelves per side
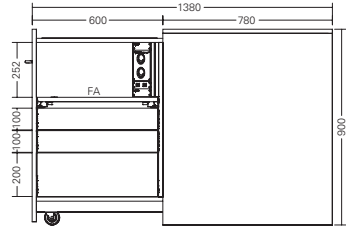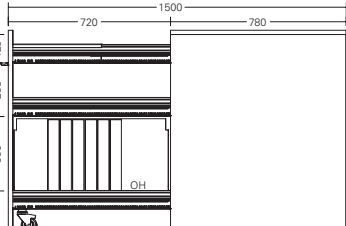- 1 DIN A4 drawer 3 HU per side
- 1 locker per side

Order no. as shown:
ELCO46 (Twintower)

Order no.: ELCO47

H 1200 x W 500 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
- 1 shelf per side
- 1 DIN A4 drawer 3 HU per side
- 1 locker per side

Order no. as shown:
ELCO47 (Twintower)

Order no.: ELCO48.X

H 1200 x W 500 x D 800 mm, open D 1500 mm
Equipment inner body:
- 3 DIN A4 drawers 3 HU
- 1 wide drawer for suspension file 6 HU
- 1 locker per side

Order no. as shown:
ELCO48.L (left-hand version)

Order no.: ELCO49

H 1200 x W 400 x D 800 mm, open D 1500 mm
Twintower for double-sided use
Equipment inner body:
- 2 shelves per side

Order no. as shown:
ELCO49 (Twintower)

Order no.: ELCO50.X

H 1200 x W 500 x D 800 mm, open D 1380 mm
Equipment inner body:
- 4 shockproof sockets
- 4 USB sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- shelf with brush strip and cable outlet
- 2 shelves, divided by 1 pull-out shelf
- 2 large drawers 2 HU
- 1 large drawer 3 HU

Order no. as shown:
ELCO50.L (left-hand version)

Order no.: ELCO51.X

H 1200 x W 500 x D 800 mm, open D 1500 mm
Equipment inner body:
- 2 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 1 pull-out shelf
- 2 shelves with adjustable shelf
- 2 DIN A4 drawers 2 HU
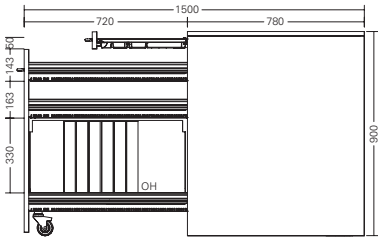- 1 DIN A4 drawer 3 HU
- 1 shelf

Order no. as shown:
ELCO51.L (left-hand version)

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm,
usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

orgatower – large

orgatower – large

Order no. as shown:
ELCO52.L (left-hand version)
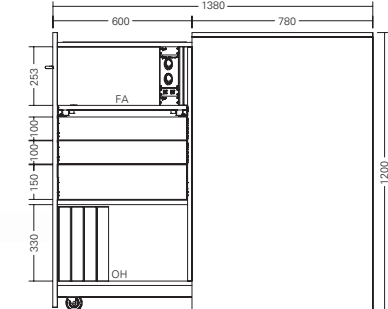
Order no.: ELCO52.X

H 1200 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body:
- storage with brush strip
- 2 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 1 shelf with pull-out shelf
- 2 large drawers 2 HU
- 1 large drawer 3 HU
- 1 shelf

Order no. as shown:
ELCO53.L (left-hand version)
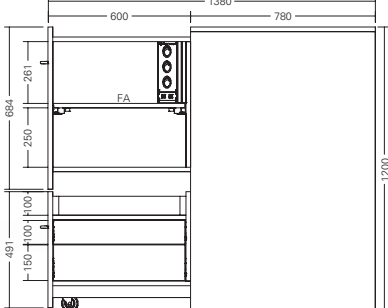
Order no.: ELCO53.X

H 1200 x W 500 x D 800 mm, open D 1380 mm

Equipment inner body top:
- 3 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 2 shelves, divided by 1 pull-out shelf

Equipment inner body bottom:
- seat cushion
- 1 large drawer 2 HU
- 1 large drawer 3 HU

Order no. as shown:
ELCO54.L (left-hand version)
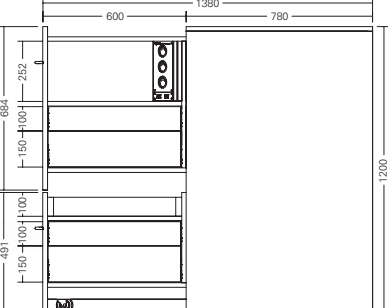
Order no.: ELCO54.X

H 1200 x B 500 x T 800 mm, open T 1380 mm

Equipment inner body top:
- 3 shockproof sockets
- 2 RJ45 sockets, Cat. 6, 8-pin
- 1 shelf, 1 large drawer 2 HU
- 1 large drawer 3 HU

Equipment inner body bottom:
- seat cushion
- 1 large drawer 2 HU
- 1 large drawer 3 HU

Order no. as shown:
ELCO55.L (left-hand version)
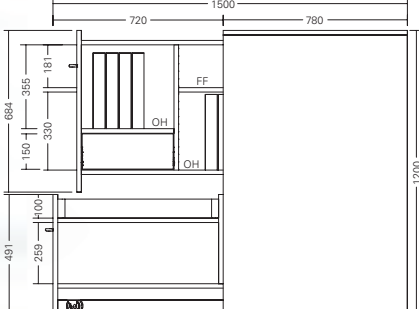
Order no.: ELCO55.X

H 1200 x W 500 x D 800 mm, open D 1500 mm

Equipment inner body top:
- 1 shelf
- 1 DIN A4 drawer 3 HE
- 2 shelves with fixed shelf

Equipment inner body bottom:
- seat cushion
- 1 shelf

Order no. as shown:
ELCO56 (Twintower)
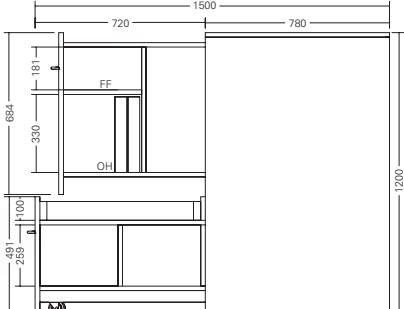
Order no.: ELCO56

H 1200 x W 400 x W 800 mm, open W 1500 mm
Twintower for double-sided use

Equipment inner body top:
- 2 shelves with fixed shelf per side

Equipment inner body bottom:
- seat cushion
- 1 shelf per side

Order no. as shown:
ELCO57 (Twintower)
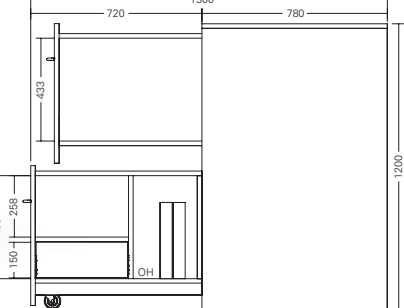
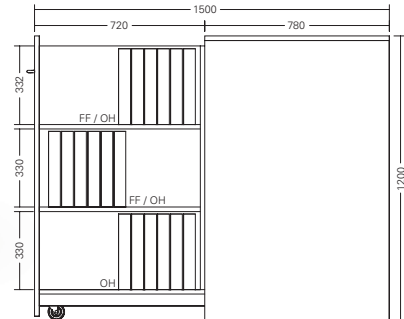**Order no.: ELCO57**

H 1200 x W 500 x D 800 mm, open D 1500 mm
Twintower for double-sided use

Equipment inner body top:
- 2 shelfs
- 1 DIN A4 drawers 3 HU

Equipment inner body bottom:
- 2 shelfs
- 1 DIN A4 drawers 3 HU

Order no. as shown:
ELCO58.L (left-hand version)
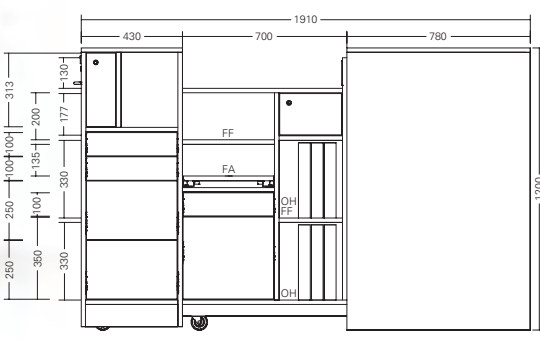
Order no.: ELCO58.X

H 1200 x W 500 x D 1210 mm, open D 1910 mm

Equipment of outer body front:
- 1 shelf
- 1 postbox lockable and
  mail slot on the front side
- 2 DIN A4 drawers 2 HU
- 2 DIN A4 drawers 5 HU

Equipment inner body middle:
- flip with 1 shockproof socket, 2 USB sockets,
  2 RJ45 sockets, Cat. 6, 8-pin
- 1 locker
- 2 shelves with fixed shelf
- 2 shelves with fixed shelf and 1 pull-out shelf
- 1 DIN A4 drawers 2 HU
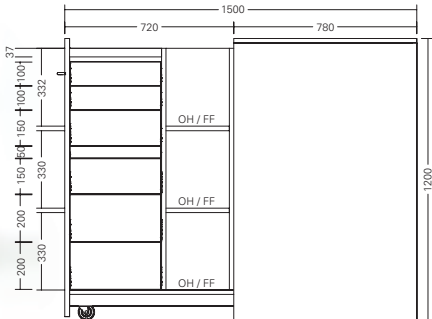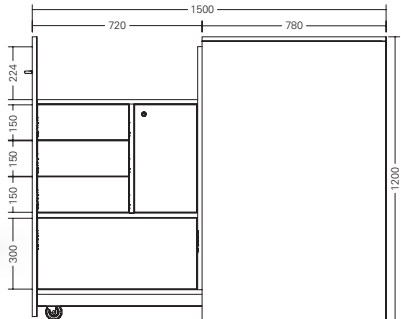- 1 DIN A4 drawers 7 HU

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm,
usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

orgatower – large

Order no.: ELCO59.X

H 1200 x W 430 x D 800 mm, open D 1500 mm

Equipment inner body:
- 1 material excerpt
- 1 pull-out with 3 drawers
- 1 file bottom insert with screen
- 1 hanging file insert with 2 dividers

Order no. as shown:
ELCO59.L (left-hand version)

Order no.: ELCO60.X

H 1200 x W 430 x D 800 mm, open D 1500 mm

Equipment inner body:
- 1 material excerpt
- 1 pull-out with 3 drawers
- 2 folder bottom inserts with screen

Order no. as shown:
ELCO60.L (left-hand version)

Order no.: ELCO61

H 1200 x W 430 x D 800 mm, open D 1500 mm

Twintower for double-sided use

Equipment inner body:
- 1 material excerpt
- 1 pull-out with 4 drawers

Order no. as shown:
ELCO61 (Twintower)

Order no.: ELCO62

H 1200 x W 430 x D 800 mm, open D 1500 mm

Twintower for double-sided use

Equipment inner body:
- 1 material excerpt
- 1 pull-out with 3 drawers
- 2 folder base inserts 1x right, 1x left

Order no. as shown:
ELCO62 (Twintower)

Order example top left
Model: ELCO44.L (Model 44, Left),
Front decor: ELCOD18 (Walnut California);

Order example top middle
Model: ELCO53.L (Model 53, Left),
Front decor: ELCOD3 (Chartreuse Green);

Order example top rigth
Model: ELCO61 (Model 61, Twintower),
Front decor: ELCOD15 (Chestnut Wenge);

Order example bottom left
Model: ELCO51.L (Model 51, Left),
Front decor: ELCOD1 (Front White);

Note: OH = Folder height; FA = Pull-out shelf; FF = Fixed shelf; FV = Adjustable shelf; usable size DIN A4 drawer: NB 327 x NT 330 mm,
usable size large drawer: NB 490 x NT 326 mm; container drawers NT 690 mm (models 31-32 and 59-62)

erfi

elneos® cubix
cabinet system

Aluminum impact protection on the outside of the cabinet, 90° aluminum round profile front and rear

invisible from the outside Fittings technology

Plastic drawer with touch-to-open combination function open and Smart-Close

Drawer shelf pull-out with combined touch-to-open and smart-close function

Ergonomic functional handle

Elegant glass cut-out

LED interior lighting

connect-LINE base, with indication light

Drawers with touch-to-open

Cabinet system elneos® cubix

The elneos® cubix wardrobe system

The elneos cubix cabinet system stands for the highest quality standards. Areas of application are technology, laboratory and office. The cabinets are equipped with hinged doors, modern pull-out shelves and drawers. tet. The cupboard walls can be extended upwards to the ceiling with add-on cupboards and ceiling panels. There are 2 different
versions, **select** or **pro** to choose from. These differ in terms of function and design.

Special features of the design select:

New design language (as standard): Handles, glass cut-outs and plinth follow the shape of the connector (see left **1** to **3** and page 316).

New combination function of touch-to-open / Smart-Close technology (standard): Internal drawers and pull-out shelves combine touch-to- touch technology for the first time. open and Smart-Close in one function (see left to **5** and page 316).
Touch-to-open technology (optional): Handleless design. Doors / drawers open by pressing lightly on the fronts. Note: Functional handles are omitted (see left 4 and 5 and page 316.

New invisible hardware technology (standard): Hinged doors are with high-quality fittings that are invisible from the outside.
are (see left **7** and page 316)
New surfaces (optional): Magnetic and writable fronts for full and half units
Cupboard doors (see page 316).

Aluminum impact protection on the outside of the cabinet (optional):
Doubling on the left and right (each 19 mm thick). Each corner, front and rear, is protected against impact by a 90° aluminum round profile (see left 8 and page 316).

LED interior lighting (optional): For cupboard doors without glass, the LED interior lighting switches on automatically.
automatically on and off. For glazed doors (glass cabinet) is fitted as standard with an invisible sensor embedded in the outer wall of the cabinet for continuous operation.lighting (see 9   left and   page   316).

Connect-LINE plinth lighting (optional):
Integrated status display for open and closed. Alternative cabinet equipment
complete / incomplete (see left 1 and page 316)).

Modern cubix elements (optional): The wardrobes / wall units can be flexibly extended with the modern elneos cubix modules (see page 336).

Various locking systems (optional): Key, RFID or electronic central locking by radio (see page 342).

Technical design of the elneos cubix select and pro series:

• Rear panel: visible rear panel, 12 mm grooved

• Shelves: 25 mm thick. 1 construction shelf and adjustable shelves see description

• Rows of holes: In a 32 mm Euro fitting grid for flexible fitting with shelves, pull-out shelves, drawers. For 600 mm deep cupboards
3 rows of holes provided per enclosure side.

• Shelf supports: Made of metal, nickel-plated, with safety catch
The locking pin prevents accidental removal.

• Hinged doors: High-density chipboard with textured, anti-glare plastic coating or glass insert. Door opening angle elneos cubix select: 165° / elneos cubix pro: 270°. For cupboard next to cupboard or with aluminum impact protection on the outside of
the cupboard, opening angle corresponding to 165°to 180°, depending on lock and handle.

• Drawers: with concealed mounted ball cage guide and telescopic pull-out as well as pull-out stop (Stop-Control). Drawers generally with full-extension runners. Usable width of basic cupboard 600: 490 mm
Usable width of basic cupboard 1,000: 890 mm Usable depth with 420 mm cupboard depth: 326 mm Usable depth with 600 mm cupboard depth: 491 mm

• Locking: All-metal espagnolette lock and security locking cylinder, suitable for general and master key systems, optionally with electronic locking system or RFID.

• Plinth construction: Integrated cupboard plinth, 100 mm high, with heavy-duty height adjustment control unit.

System dimensions for base and top cabinets
(Dimensions without aluminum impact protection on the outside of the cabinet)

Base cabinet 1,000:

1,000 x 420 / 600 x 2,000 mm (W x D x H) **Basic cabinet 600:** 600 x 420 / 600 x 2,000 mm (W x D x H) **Top-mounted cupboard without ladder panel:** 1,000 / 600 x 420 / 600 x 720 mm (W x D x H) **Top-mounted cupboard with ladder panel:** 1,000 / 600 x 420 / 600 x 900 mm (W x D x H)

Tall cabinets elneos® cubix select

ergonomic functional handles:

graphite black
(RAL 9011) Series   ELCCS1

blue (NCS-S-1565-B) EL-CCS3

elneos-green (RAL
DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

Top cabinet
with ladder
panel

Magnetic
front, writable

Aluminum impact
protection on the
outside of the cabinet,
90° aluminum round profile front and rear

Cupboard door with touch-to-open function (handleless design)

Invisible hardware
technology

Ergonomic
functional handle

Elegant glass
cut-out

LED interior
lighting

connect-LINE base,
with indication light

Overview of the elneos cubix wardrobe series - select version vs. pro version

Standard version	with select	for pro
Handles	Ergonomic functional handle, W: 300 mm; design follows the shape of the connector	Bow handles, W: 140 mm; handle olive with lock
Hinged doors	Fitting technology invisible from the outside, 165° hinges	Visible hardware technology, 270° hinges
Glass cut-out	Elegant glass cut-out, Design follows the shape of the connector	Rectangular glass cut-out
Internal drawers	Plastic drawer, incl. combined touch-to-open and smart-close function	Steel drawer, fully organizable
Aluminum impact protection on the outside of cabinets	optionally graphite black or front white	not available
Base	Recessed functional base connect-LINE for optional mounting of the indication light. Design follows the shape of the connector	Flush plinth
Optional design options	**with select**	**for pro**
Touch-to-open, handleless design Doors/drawers	✓	✓
Magnetic fronts, writable	Automatic touch-to-open (handleless design)	Touch-to-open surcharge
Pull-out shelf	Frame shelf pull-out shelf, incl. combination function of touch-to-open and smart-close	Normal pull-out shelf, touch-to-open / smart-close with surcharge
LED interior lighting	✓	✓
Pedestal lighting	Indication light, green= open, red= closed, alternatively cabinet assembly full / incomplete	not available
Expandable with Cubix modules (see page 336)	✓	not available
Various locking systems	✓	✓

Tall cabinets elneos® cubix pro

Top cabinet
with ladder
panel

Grip olive
with integrated
lap

Handles:

visible 270°
bands

Drawers: Bow handle, black
Serie

Wardrobe doors: Handle
olive with integrated drawer
Series

Rectangular
glass cut-out

Bow handle

Flush plinth
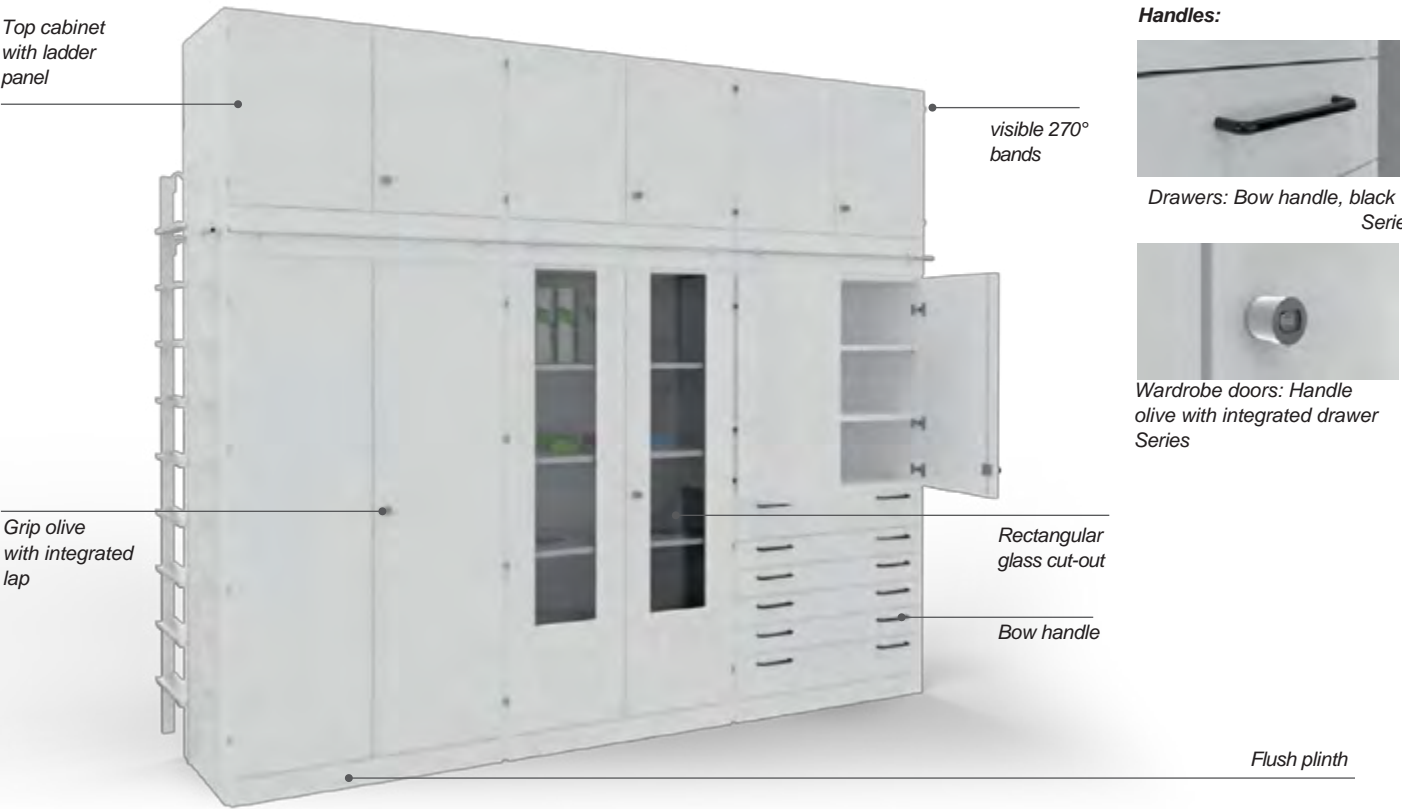
Optional cabinet fittings for elneos cubix tall units, select and pro versions

Order overview of options and extensions		
Touch-to-open function for doors and drawers (handleless design)		ELCC.TTO.1
Smart close function for drawers		ELCC.SC.1
Front magnetic / writable	for **whole** hinged doors	ELCC.MB.1
	for **half** hinged doors	ELCC.MB.2
Shelves 25 mm		ELCC.FB.1
Shelves made of chipboard		ELCC.FB.2
Pull-out shelf		ELCC.TA.1
Pull-out shelf for basic experiments	with perforated grid	ELCC.AG.1
Aluminum impact protection on the outside of the cabinet *	**graphite black**	ELCC.AS.1
	front white	ELCC.AS.2
LED interior lighting	**Without** sensor for continuous lighting	ELCC.IB.1
	with sensor for continuous lighting	ELCC.IB.2
Indication light socket connect-LINE *	RGB with **remote control** for color selection	ELC2.9.I.1
	green= **open**, red= **closed**	ELC2.9.I.2
	Cabinet assembly complete / incomplete	ELC2.9.I.3
Electronic locking by radio or RFID		see page 342

General information on the decor	Execution select	Version per
Decor 1: *Non-conductive*	Fronts / carcase: front white; Base: graphite black / front white	Fronts / carcase / plinth: front white
Decor 2: *Non-conductive*	Fronts / carcase / plinth: front white	-
Decor 3: *ESD version*	Fronts / carcase / plinth: front white	Fronts / carcase / plinth: front white

* nur für Ausführung select. Nicht möglich bei Ausführung pro.

Tall cabinets

Hinged door wardrobe
with full doors

Equipment:
- 3 adjustable shelves
- 1 fixed shelf

1,000 mm   600 mm   2,000 mm

Hinged door wardrobe with full doors				
	Cabinet depth 420 mm / 16,54"		**Cabinet depth 600 mm / 23,62"**	
Execution	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**
1 select	ELCCS.1401.x	ELCCS.6401.x.y	ELCCS.1601.x	ELCCS.6601.x.y
2 per	ELCCP.1401.x	ELCCP.6401.x.y	ELCCP.1601.x	ELCCP.6601.x.y

Hinged door wardrobe
with full doors

Equipment:
- 2 adjustable shelves
- 1 fixed shelf
- Drawers (VA), internal, usable height: approx. 120 mm

Note on execution:
select: 5 drawers
per: 6 steel drawers

1.000 mm   600 mm   2.000 mm

Hinged door wardrobe with full doors, internal drawers				
	Cabinet depth 420 mm / 16,54"		**Cabinet depth 600 mm / 23,62"**	
Execution	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**
1 select	ELCCS.1402.x	ELCCS.6402.x.y	ELCCS.1602.x	ELCCS.6602.x.y
2 per	ELCCP.1402.x	ELCCP.6402.x.y	ELCCP.1602.x	ELCCP.6602.x.y

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Décor 1: *Non-conductive*   **Version select:** fronts / carcase: front white; plinth: graphite black / front white

Version per: Fronts / carcase / plinth: front white

Decor 2: *Non-conductive*   **Version select:** fronts / carcase / plinth: front white   **Version pro:** -
Décor 3: *ESD version*   **Version select:** fronts / carcase / plinth: front white   **Pro version:** fronts / carcase / plinth: front white

Dekor 3: *ESD-Ausführung*   **Ausführung select:** Fronten/Korpus/Sockel: frontweiß   **Ausführung pro:** Fronten/Korpus/Sockel: frontweiß

Hinged door wardrobe
with 4 / 5 glazing

Equipment:
- 3 adjustable shelves
- 1 fixed shelf

1,000 mm   600 mm   2,000 mm

Hinged door wardrobe with 4 / 5 glazing				
	Cabinet depth 420 mm / 16,54"		**Cabinet depth 600 mm / 23,62"**	
Execution	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**
1 select	ELCCS.1403.x	ELCCS.6403.x.y	ELCCS.1603.x	ELCCS.6603.x.y
2 per	ELCCP.1403.x	ELCCP.6403x.y	ELCCP.1603.x	ELCCP.6603.x.y

Hinged door wardrobe
with 4 / 5 glazing

Equipment:
- 2 adjustable shelves
- 1 fixed shelf
- Drawers (VA), internal, usable height: approx. 120 mm

Note on execution:
select: 2 frame drawers
pro: 3 steel drawers

1.000 mm   600 mm   2.000 mm
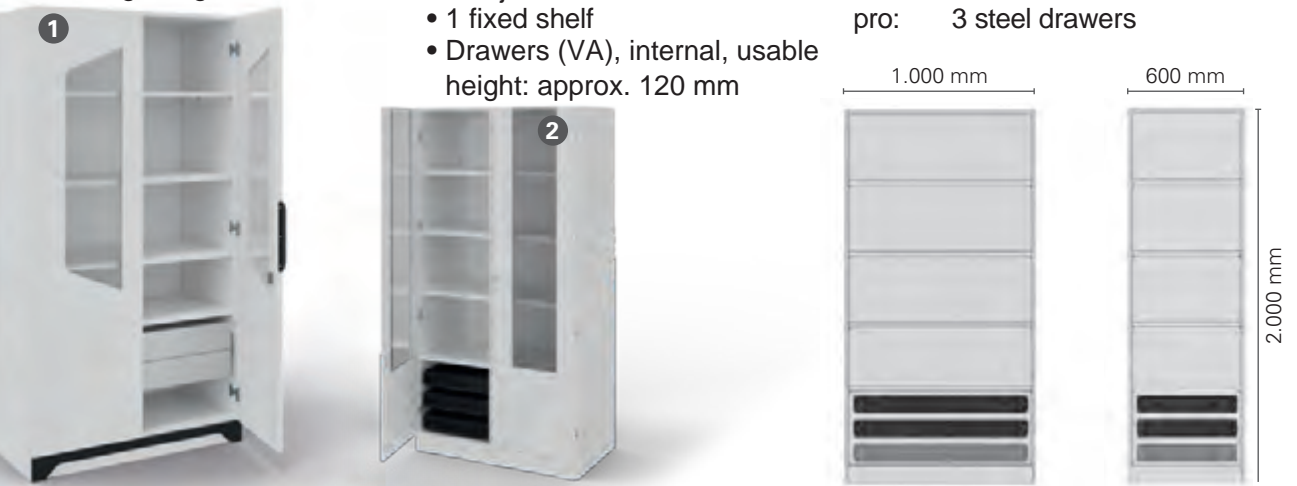
Hinged door wardrobe with 4 / 5 glazing, internal drawers				
	Cabinet depth 420 mm / 16,54"		**Cabinet depth 600 mm / 23,62"**	
Execution	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**
1 select	ELCCS.1404.x	ELCCS.6404.x.y	ELCCS.1604.x	ELCCS.6604.x.y
2 per	ELCCP.1404.x	ELCCP.6404x.y	ELCCP.1604.x	ELCCP.6604.x.y

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Décor 1: *Non-conductive*   **Version select:** fronts / carcase: front white; plinth: graphite black / front white

Version per: Fronts / carcase / plinth: front white

Decor 2: *Non-conductive*   **Version select:** fronts / carcase / plinth: front white   **Version pro:** -
Décor 3: *ESD version*   **Version select:** fronts / carcase / plinth: front white   **Pro version:** fronts / carcase / plinth: front white

Dekor 3: *ESD-Ausführung*   **Ausführung select:** Fronten/Korpus/Sockel: frontweiß   **Ausführung pro:** Fronten/Korpus/Sockel: frontweiß

Tall cabinets

Hinged door wardrobe
with full glazing

Equipment:
- 3 adjustable shelves
- 1 fixed shelf

1,000 mm   600 mm

2,000 mm

Hinged door wardrobe with full glazing				
	Cabinet depth 420 mm / 16,54"		Cabinet depth 600 mm / 23,62"	
Execution	W: 1.000 mm / 39,37"	W: 600 mm / 23,62"	W: 1.000 mm / 39,37"	W: 600 mm / 23,62"
① select	ELCCS.1405.x	ELCCS.6405.x.y	ELCCS.1605.x	ELCCS.6605.x.y
② per	ELCCP.1405.x	ELCCP.6405.x.y	ELCCP.1605.x	ELCCP.6605.x.y

Hinged door cabinet
with 1/2 hinged doors and 6 drawers

Equipment:
- 2 adjustable shelves
- 1 fixed shelf
- 6 drawers, hinged on the outside

Useful drawer heights: 1 drawer NH 160 mm
4 drawers NH 110 mm
1 drawer NH 170 mm

1,000 mm   600 mm

2,000 mm

Hinged door wardrobe with 1 / 2 hinged doors, drawers opening on the outside				
	Cabinet depth 420 mm / 16,54"		Cabinet depth 600 mm / 23,62"	
Execution	W: 1.000 mm / 39,37"	W: 600 mm / 23,62"	W: 1.000 mm / 39,37"	W: 600 mm / 23,62"
① select	ELCCS.1406.x	ELCCS.6406.x.y	ELCCS.1606.x	ELCCS.6606.x.y
② per	ELCCP.1406.x	ELCCP.6406.x.y	ELCCP.1606.x	ELCCP.6606.x.y

Ordering information: Replace .x with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Decor 1: *Non-conductive*	**Version select:** fronts / carcase: front white; plinth: graphite black / front white
	Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive*	**Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version*	**Version select:** fronts / carcase / plinth: front white

Hinged door wardrobe
with 2/3 hinged doors and 3 drawers

Equipment:
- 3 adjustable shelves
- 1 fixed shelf
- 3 drawers, hinged on the outside

Useful drawer heights: 1 drawer NH 160 mm
1 Drawer NH 110 mm
1 Drawer NH 170 mm

1.00 mm   600 mm

2,000 mm

Hinged door wardrobe with 2 / 3 hinged doors, drawers opening on the outside				
	Cabinet depth 420 mm / 16,54"		Cabinet depth 600 mm / 23,62"	
Execution	W: 1.000 mm / 39,37"	W: 600 mm / 23,62"	W: 1.000 mm / 39,37"	W: 600 mm / 23,62"
① select	ELCCS.1407.x	ELCCS.6407.x.y	ELCCS.1607.x	ELCCS.6607.x.y
② per	ELCCP.1407.x	ELCCP.6407.x.y	ELCCP.1607.x	ELCCP.6607.x.y

Wardrobe
with full doors

Equipment Width 1,000 mm:
- 3 adjustable shelves
- 1 fixed shelf
- 1 coat rail
- 1 center page

Equipment Width 600 mm:
- 1 coat rail

1,000 mm   600 mm

2,000 mm

Hinged door wardrobe with full doors, coat rack				
	Cabinet depth 420 mm / 16,54"		Cabinet depth 600 mm / 23,62"	
Execution	W: 1.000 mm / 39,37"	W: 600 mm / 23,62"	W: 1.000 mm / 39,37"	W: 600 mm / 23,62"
① select	ELCCS.1408.x	ELCCS.6408.x.y	ELCCS.1608.x	ELCCS.6608.x.y
② per	ELCCP.1408.x	ELCCP.6408.x.y	ELCCP.1608.x	ELCCP.6608.x.y

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Decor 1: *Non-conductive*	**Version select:** fronts / carcase: front white; plinth: graphite black / front white
	Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive*	**Version select:** fronts / carcase / plinth: front white **Version pro:** -
Décor 3: *ESD version*	**Version select:** fronts / carcase / plinth: front white **Pro version:** fronts / carcase / plinth: front white

Tall cabinets

Add-on cabinets and accessories

Slotted mat cabinet with full doors, for DIN A4 teaching materials

Equipment:
• 4 slotted mat shelves, covered on both sides
• 2 slotted mat shelves, fitted on one side
Shelves made of chipboard (heavy-duty shelves)

1,000 mm   600 mm

2,000 mm

Hinged door wardrobe with full doors, with grooved mats				
	Cabinet depth 420 mm / 16,54"		**Cabinet depth 600 mm / 23,62"**	
Version	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**
① select	ELCCS.1409.x	ELCCS.6409.x.y	ELCCS.1609.x	ELCCS.6609.x.y
② per	ELCCP.1409.x	ELCCP.6409.x.y	ELCCP.1609.x	ELCCP.6609.x.y

Slotted mat cabinet with full glazing, for DIN A4 teaching materials

Equipment:
• 4 slotted mat shelves, covered on both sides
• 2 slotted mat shelves, fitted on one side
Shelves made of chipboard (heavy-duty shelves)

1,000 mm   600 mm

2,000 mm

Hinged door wardrobe with full glazing, with grooved mats				
	Cabinet depth 420 mm / 16,54"		**Cabinet depth 600 mm / 23,62"**	
Execution	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**
① select	ELCCS.1410.x	ELCCS.6410.x.y	ELCCS.1610.x	ELCCS.6610.x.y
② per	ELCCP.1410.x	ELCCP.6410.x.y	ELCCP.1610.x	ELCCP.6610.x.y

Ordering information: Replace **.x** with the desired **decor** (**.1, .2, .3**)! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Decor 1: *Non-conductive*   **Version select:** fronts / carcase: front white; plinth: graphite black / front white
                                   Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive*   **Version select:** fronts / carcase / plinth: front white   **Version pro:** -
Décor 3: *ESD version*   **Version select:** fronts / carcase / plinth: front white   **Pro version:** fronts / carcase / plinth: front white

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Top-mounted cupboard without ladder panel with full doors, glass doors on request

Equipment:
• without conductor cover
• 1 adjustable shelf

1,000 mm   600 mm

720 mm

Top-mounted hinged door wardrobe without ladder panel				
	Cabinet depth 420 mm / 16,54"		**Cabinet depth 600 mm / 23,62"**	
Version	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**
① select	ELCCS.1420.x	ELCCS.6420.x.y	ELCCS.1620.x	ELCCS.6620.x.y
② per	ELCCP.1420.x	ELCCP.6420.x.y	ELCCP.1620.x	ELCCP.6620.x.y

Top-mounted cupboard with ladder panel and full doors, glass doors on request

Equipment:
• with ladder cover
• 1 stainless steel guide for ladder
• 1 adjustable shelf

1,000 mm   600 mm

900 mm

Top-mounted hinged door wardrobe with ladder panel				
	Cabinet depth 420 mm / 16,54"		**Cabinet depth 600 mm / 23,62"**	
Execution	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**	**W: 1.000 mm / 39,37"**	**W: 600 mm / 23,62"**
① select	ELCCS.1421.x	ELCCS.6421.x.y	ELCCS.1621.x	ELCCS.6621.x.y
② per	ELCCP.1421.x	ELCCP.6421.x.y	ELCCP.1621.x	ELCCP.6621.x.y

Accessories:

❸ **Step ladder for top cabinets with ladder panel**

• incl. 4 hooks for use and parking position, anodized uprights
• Steps with non-slip, profiled plastic covering
• Width 410mm, height 2200mm
• Weight: 8 kg   **Order no.: ELCC.100.1**

❹ **Additional ladder holder**
     Optionally mountable on the wall
or on the side of the cabinet   **Order no.: ELCC.100.2**

Ordering information: Replace **.x** with the desired **decor** (**.1, .2, .3**)! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Decor 1: *Non-conductive*   **Version select:** fronts / carcase: front white; plinth: graphite black / front white
                                   Version per: Fronts / carcase / plinth: front white
Decor 2: *Non-conductive*   **Version select:** fronts / carcase / plinth: front white   **Version pro:** -
Décor 3: *ESD version*   **Version select:** fronts / carcase / plinth: front white   **Pro version:** fronts / carcase / plinth: front white

Corner cabinets

Pharmacy cabinets for small parts storage

erfi

Corner hinged door wardrobe with full doors

Equipment:
- 3 adjustable shelves
- 1 fixed shelf

Cupboard width with cupboard depth 820 mm at 420 mm 1,000 mm at 600 mm

2,000 mm

Corner hinged door wardrobe with full doors		
Execution	Cabinet depth 420 mm / 16,54"	Cabinet depth 600 mm / 23,62"
①select	ELCCS.1411.x.y	ELCCS.6411.x.y
②per	ELCCP.1411.x.y	ELCCP.6411.x.y

Corner top cabinet with and without ladder panel
with full doors.

Equipment without conductor cover:
- 1 adjustable shelf

Equipment with conductor cover:
- 1 stainless steel guide for ladder
- 1 adjustable shelf

Cupboard width with cupboard depth 820 mm at 420 mm 1,000 mm at 600 mm

900 mm   720 mm

	Top-mounted hinged door wardrobe without ladder panel		Top-mounted hinged door wardrobe with ladder panel	
Execution	Cabinet depth 420 mm / 16,54"	Cabinet depth 600 mm / 23,62"	Cabinet depth 420 mm / 16,54"	Cabinet depth 600 mm / 23,62"
①select	ELCCS.1422.x.y	ELCCS.1622.x.y	ELCCS.1423.x.y	ELCCS.1623.x.y
②per	ELCCP.1422.x.y	ELCCP.1622.x.y	ELCCP.1423.x.y	ELCCP.1623.x.y

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Decor 1: *Non-conductive*   **Version select:** fronts / carcase: front white; plinth: graphite black / front white
　Version per:　Fronts / carcase / plinth: front white
Decor 2: *Non-conductive*   **Version select:** fronts / carcase / plinth: front white   **Version pro:** -
Décor 3: *ESD version*   **Version select:** fronts / carcase / plinth: front white   **Pro version:** fronts / carcase / plinth: front white

Pharmacy cabinets for small parts storage

Pharmacy cabinets for small parts magazine
With sturdy pull-out for small parts magazine

Width 400 mm
Cupboard depth 600 mm
Cupboard depth 750 mm
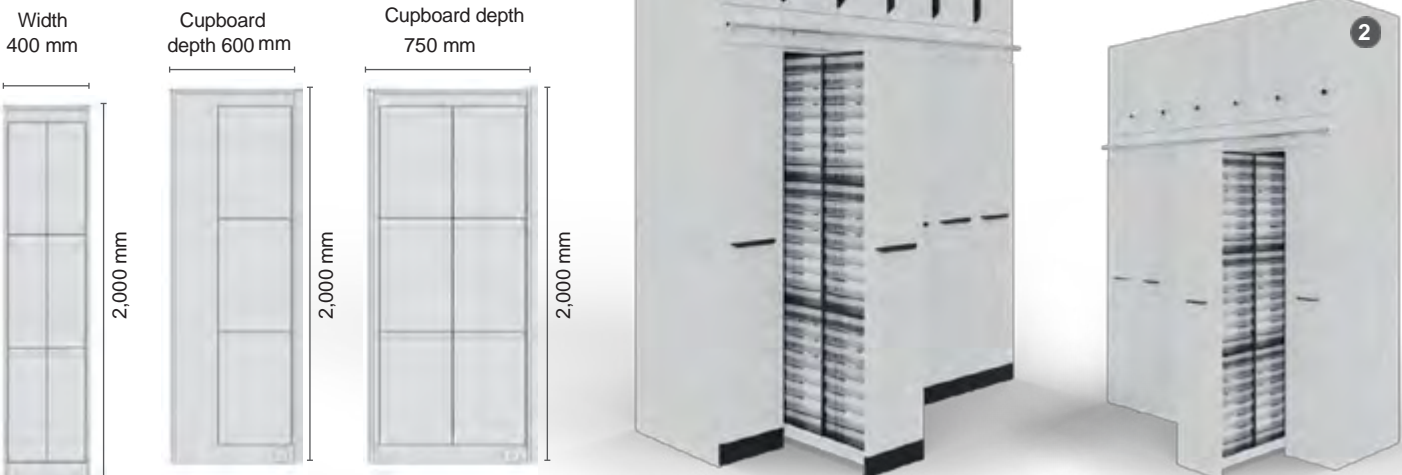
2,000 mm

Pharmacy cabinets for small parts magazine				
Execution	Size 1 (W x D x H) 400 x 600 x 2000 mm	Small parts magazine capacity	Size 2 (W x D x H) 400 x 750 x 2000 mm	Small parts magazine capacity
①select	ELCCS.4601.x	6 pieces / 3 per side	ELCCS.4701.x	12 pieces / 6 per side
②per	ELCCP.4601.x	6 pieces / 3 per side	ELCCP.4701.x	12 pieces / 6 per side

Order no.: Aluminum impact protection outside of cupboard for cupboard depth 750 mm, only possible with select version: **graphite black:** ELCC.AS.3 or **front white:** ELCC.AS.4

Matching top cabinet
with hinged door, With or without ladder panel for pharmacy cabinets

400 mm   720 mm   *without conductor cover*

400 mm   900 mm   *with conductor cover*
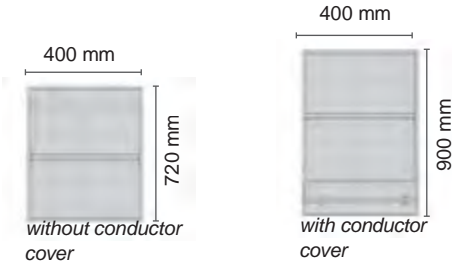
Matching top cabinet for pharmacy cabinets				
Execution	Size 1 (W x D x H)		Size 2 (W x D x H)	
	Without ladder cover 400 x 600 x 720 mm	with ladder cover 400 x 600 x 900 mm	Without ladder cover 400 x 750 x 720 mm	with ladder cover 400 x 750 x 900 mm
①select	ELCCS.4620.x.y	ELCCS.4621.x.y	ELCCS.4720.x.y	ELCCS.4721.x.y
②per	ELCCP.4620.x.y	ELCCP.4621.x.y	ELCCP.4720.x.y	ELCCP.4721.x.y

Small parts magazine with drawers
Magazine size (W x D x H) each: 306 x 150 x 552 mm

Material: Steel, drawers polypropylene (PP); ESD version: Steel, drawers ESD polypropylene (PP), incl. earthing cable

Small parts magazines						
Execution	8 drawers	16 drawers	24 drawers	40 drawers	48 drawers	60 drawers
without ESD	ELCC.100.10.081	ELCC.100.10.161	ELCC.100.10.241	ELCC.100.10.401	ELCC.100.10.481	ELCC.100.10.601
with ESD			ELCC.100.10.242		ELCC.100.10.482	ELCC.100.10.602

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3)**! Replace **.y** with **.L** or **.R** for **door hinge** left / right!
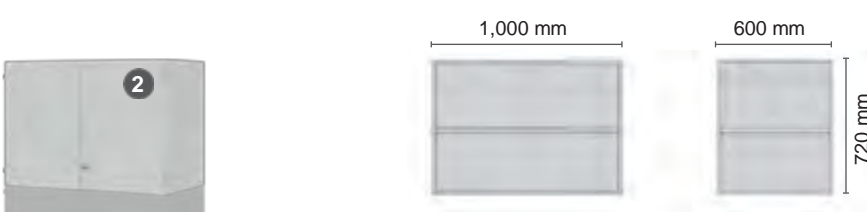
Decor 1: *Non-conductive*   **Version select:** fronts / carcase: front white; plinth: graphite black / front white
　Version per:　Fronts / carcase / plinth: front white
Decor 2: *Non-conductive*   **Version select:** fronts / carcase / plinth: front white   **Version pro:** -
Décor 3: *ESD version*   **Version select:** fronts / carcase / plinth: front white   **Pro version:** fronts / carcase / plinth: front white

Trough cabinets

Lockers

Hopper cupboards
with full doors, for teaching material boxes

Equipment:
• Left and right with holder for troughs
• 1 middle shelf for enclosure height 2,000 mm

800 mm

Tray holder for up to 2 trays in a row

Troughs

780 / 2,000 mm

Trough cabinets

Execution	W x D	Height 780 mm	Height 2,000 mm
① select	800 x 740 mm	ELCCS.8701.x	ELCCS.8702.x
② per	800 x 740 mm	ELCCP.8701.x	ELCCP.8702.x

Troughs
2 trays can be inserted in each row of the tray holder.

Troughs

W x D x H	Trays for 10 experiment boxes	Troughs for installation material
700 x 310 x 35 mm	ELCC.100.20.10	ELCC.100.20.11

Ordering information: Replace **.x** with the desired **decor** (**.1, .2, .3**)!

|		
Decor 1: *Non-conductive*	**Version select:** fronts / carcase: front white; plinth: graphite black / front white	
	Version per: Fronts / carcase / plinth: front white	
Decor 2: *Non-conductive*	**Version select:** fronts / carcase / plinth: front white	**Version pro:** -
Décor 3: *ESD version*	**Version select:** fronts / carcase / plinth: front white	**Pro version:** fronts / carcase / plinth: front white

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Cover panel 19 mm, optionally with anti-fingerprint surface, with aluminum impact protection on the outside of the enclosure, see page 329 ff.

Cover plate 30 mm, see page 329 ff.

More general Note on the decor

Execution select

Decor 1:
Non-conductive
Fronts: front white
Carcass: graphite black; base: graphite black / front white

Decor 2:
Non-conductive
fronts / carcase / plinth: front white

Decor 3:
ESD version
fronts / carcase / plinth: front white

Version per

decor 1:
Non-conductive
fronts / carcass: front white

Decor 2:
-

Decor 3:
ESD version
Fronts / carcass: front white

Fig. 1: 1,600 x 1,600 x 600 mm, 12 compartments, select version.

Fig. 2: 1,600 x 1,600 x 600 mm, 12 compartments, version per.

Lockers
with doors

Equipment for locker cabinets with width:
800 mm: 1 center wall
1,200 mm: 2 center walls
1,600 mm: 3 center walls
2,000 mm: 4 center walls

1,600 / 1,800 mm
1,000 / 1,200 mm

F= Shelf
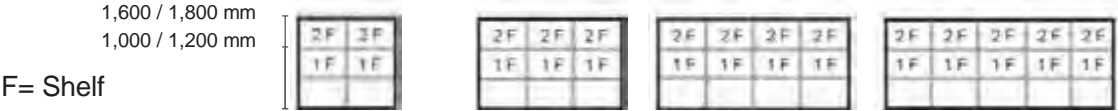
Lockers with doors

Depth	Height mm/"	Width mm / inch			
① **elneos cubix select**		**800 / 31.50"**	**1.200 / 47.24"**	**1.600 / 62.99"**	**2.000 / 78.74"**
424 mm 16.69"	1.000/39.37"	ELCCS.8451.x.y	ELCCS.2451.x.y	ELCCS.6451.x.y	ELCCS.0451.x.y
	1.200/47.24"	ELCCS.8452.x.y	ELCCS.2452.x.y	ELCCS.6452.x.y	ELCCS.0452.x.y
	1.600/62.99"	ELCCS.8453.x.y	ELCCS.2453.x.y	ELCCS.6453.x.y	ELCCS.0453.x.y
	1.800/70.87"	ELCCS.8454.x.y	ELCCS.2454.x.y	ELCCS.6454.x.y	ELCCS.0454.x.y
605 mm 23.82"	1.000/39.37"	ELCCS.8651.x.y	ELCCS.2651.x.y	ELCCS.6651.x.y	ELCCS.0651.x.y
	1.200/47.24"	ELCCS.8652.x.y	ELCCS.2652.x.y	ELCCS.6652.x.y	ELCCS.0652.x.y
	1.600/62.99"	ELCCS.8653.x.y	ELCCS.2653.x.y	ELCCS.6653.x.y	ELCCS.0653.x.y
	1.800/70.87"	ELCCS.8654.x.y	ELCCS.2654.x.y	ELCCS.6654.x.y	ELCCS.0654.x.y
② **elneos cubix pro**		**800 / 31.50"**	**1.200 / 47.24"**	**1.600 / 62.99"**	**2.000 / 78.74"**
424 mm 16.69"	1.000/39.37"	ELCCP.8451.x.y	ELCCP.2451.x.y	ELCCP.6451.x.y	ELCCP.0451.x.y
	1.200/47.24"	ELCCP.8452.x.y	ELCCP.2452.x.y	ELCCP.6452.x.y	ELCCP.0452.x.y
	1.600/62.99"	ELCCP.8453.x.y	ELCCP.2453.x.y	ELCCP.6453.x.y	ELCCP.0453.x.y
	1.800/70.87"	ELCCP.8454.x.y	ELCCP.2454.x.y	ELCCP.6454.x.y	ELCCP.0454.x.y
605 mm 23.82"	1.000/39.37"	ELCCP.8651.x.y	ELCCP.2651.x.y	ELCCP.6651.x.y	ELCCP.0651.x.y
	1.200/47.24"	ELCCP.8652.x.y	ELCCP.2652.x.y	ELCCP.6652.x.y	ELCCP.0652.x.y
	1.600/62.99"	ELCCP.8653.x.y	ELCCP.2653.x.y	ELCCP.6653.x.y	ELCCP.0653.x.y
	1.800/70.87"	ELCCP.8654.x.y	ELCCP.2654.x.y	ELCCP.6654.x.y	ELCCP.0654.x.y

Ordering information: Replace **.x** with the desired **decor** (**.1, .2, .3**)! Replace **.y** with **.L** or **.R** for **door hinge** left / right!

Décor 1: *Non-conductive*	**Version select:** fronts : front white; carcass: graphite black; Base: graphite black / front white	**Version pro:** fronts / carcass: front white
Decor 2: *Non-conductive*	**Version select:** fronts / carcase / plinth: front white	**Version pro:** -
Décor 3: *ESD version*	**Version select:** fronts / carcase / plinth: front white	**Pro version:** fronts / carcass: front white

Sideboards elneos® cubix

Aluminum impact protection on the outside of the enclosure, 90° aluminum round profile at the front and rear

Fitting technology invisible from the outside

Ergonomic functional handle

Modern cubix element

Drawers with touch-to-open function (handleless design)

Cover plate, surface with anti-finger print

Socket connect-LINE, with indication light

Sliding door wardrobe with floating doors

Hinged door wardrobe with fittings that are invisible from the outside

90° aluminum round profile (option)

Touch-to-open (option)

connect-LINE base with indication light (optional)

Sideboards elneos® cubix

The sideboards in the elneos cubix series meet the highest quality standards. They are used in technology, laboratories and offices. The cabinets are equipped with hinged doors, drawers, sliding doors or roller drawers. There are 2 different versions to choose from, **select** or **pro**. These differ in function and design.

Special features of the design select:

New design language (standard): Handles and plinth follow the shape of the connector (see left **1** to **2** and page 330).

Touch-to-open technology (optional): Handleless design. Doors / drawers open by pressing lightly on the fronts. Note: Functional handles are not required (see left **3** and page 330).

New invisible fitting technology (standard): Hinged doors are fitted with high-quality fittings that are invisible from the outside (see left **4** and page 330)

New surfaces (optional): Anti-fingerprint surface to avoid unsightly fingerprints on the top panels of the sideboards (see left **5** and page 330).

Aluminum impact protection on the outside of the sideboard (standard): Each corner, front and rear, is protected against impact by a 90° aluminum round profile (see left **6** and page 330).

Connect-LINE plinth lighting (optional): Integrated status display for open and closed. Alternative cabinet equipment complete / incomplete (see left **1** and page 330).

Modern cubix elements (optional): The side boards / wall units can be flexibly extended with the modern elneos cubix modules (see left **7** and page 336).

Various locking systems (optional): Key, RFID or electronic central locking by radio (see page 342).

Technical design of the elneos cubix select and pro series:

- Cover panel: elneos cubix select 19 mm / elneos cubix pro 30 mm
- Rear panel: visible rear panel, 12 mm grooved
- Shelves: 25 mm thick, adjustable in hole pattern
- Rows of holes: In a 32 mm Euro fitting grid for flexible fitting with shelves. For 600 mm deep cupboards, 3 rows of holes are provided per cupboard side.
- Shelf supports: Made of metal, nickel-plated, with locking pin to prevent accidental removal.
- Hinged doors: High-density fine chipboard with textured, anti-glare plastic coating. Door opening angle elneos cubix select: 165° / elneos cubix pro: 270°.
- Sliding doors: floating mounted with perfect Running properties. With select version with Smart-Close as standard. With pro version at an extra charge.
- Roller shutter: Roller shutter system in silver-grey
- Drawers: with concealed ball cage guide and telescopic pull-out and pull-out stop (Stop-Control). Drawers generally with full-extension runners.
  Usable size for 434 / 474 mm cupboard:
  327 mm width,
  330 mm depth for 424 mm cupboard depth and
  490 mm depth for 605 mm cupboard depth
  Usable dimensions for 804 / 844 mm cupboard:
  690 mm width,
  326 mm depth with 424 mm cabinet depth and
  491 mm depth with 605 mm cabinet depth
  Usable size for 1,004 / 1,044 mm cupboard:
  890 mm width,
  326 mm depth with 424 mm cabinet depth and
  491 mm depth with 605 mm cabinet depth
- Lock: All-metal espagnolette bolt espagnolette bolt lock and security locking cylinder, suitable for general and master key systems, optionally with electronic locking system or RFID.
- Plinth construction:
  elneos cubix select: Integrated cupboard plinth, 100 mm high, elneos cubix pro: Without functional plinth.

Sideboards elneos® cubix select

Sideboards elneos® cubix pro

ergonomic functional handles:

graphite black (RAL 9011) Series   ELCCS1

blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

Ergonomic functional handle

Example in ESD version - all wooden parts in front white

Aluminum impact protection on the outside of the cabinet, 90° aluminum round profile front and rear

Invisible hardware technology

connect-LINE base, with indication light

Handle olive with integrated lap

visible 270° bands

Without functional base

Bow handle

Handles:

Drawers: Bow handle, black Serie

Cupboard doors: Handle olive with integrated drawer Series

Overview of elneos cubix sideboards - select version vs. pro version

Standard version	with select	for pro
Handles	Ergonomic functional handle, W: 300 mm Design follows the shape of the connector	Bow handles, W: 140 mm; handle olive with lock
Hinged doors	Fitting technology invisible from the outside, 165° hinges	Visible hardware technology, 270° hinges
Sliding doors	with Smart Close	Surcharge for Smart-Close
Cover plate	19 mm	30 mm
Aluminum impact protection on the outside of cabinets	graphite black or optionally front white	not available
Base	Recessed functional base connect-LINE for optional mounting of the indication light Design follows the shape of the connector	Without functional base
Optional design options	with select	for pro
Touch-to-open, Handleless design for doors and drawers	✓	✓
Anti-fingerprint surface	✓	not available
Pedestal lighting	Indication light, green = open, red = closed, alternatively full/incomplete cabinet assembly	not available
Expandable with Cubix modules (see page 336)	✓	not available
Various locking systems	✓	✓

Optional cabinet fittings for elneos cubix sideboards, select and pro versions

Order overview of options and extensions		
Touch-to-open function for doors and drawers (handleless design)		ELCC.TTO.1
Smart close function for drawers		ELCC.SC.1
Smart close function for sliding doors (for pro version, standard for select)		ELCC.SC.2
Anti-fingerprint surface		ELCC.AF.1
Shelves 25 mm		ELCC.FB.1
Shelves made of chipboard		ELCC.FB.2
Indication light socket connect-LINE *	RGB with **remote control** for color selection	ELC2.9.I.1
	green= **open**, red= **closed**	ELC2.9.I.2
	Cabinet assembly complete / incomplete	ELC2.9.I.3
Castor set for sideboards and seating furniture		ELCC.RS
Electronic locking by radio or RFID		see page 342

Castor set for mobile sideboards:

The castor set consists of 4 swivel castors. Ø 75/100 mm. Two swivel castors are lockable. The specified height of a sideboard includes the height of the castors. **Order no.: ELCC.RS Note:** For sideboards with drawers, one drawer (approx. 2 U) is omitted!

* Only for select version. Not possible for pro version.

Sideboards with hinged doors

Sideboards with drawers

General note on decor

version select

Decor 1:
Non-conductive
Fronts:
Front white
Body:
Graphite black;
Base:
graphite black/
front white

Decor 2:
Non-conductive
Fronts/body/
base: front white

Decor 3:
ESD version
Fronts/body/
Base: front white

Version pro

Decor 1:
Non-conductive
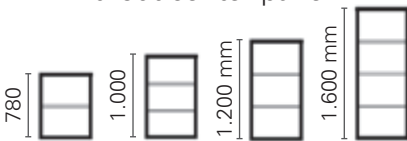Fronts/body: front
white

Decor 2:
–

Decor 3:
ESD version
Fronts/body: front
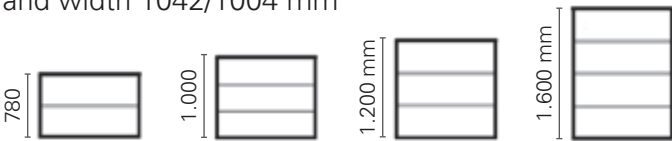white

Sideboards with full doors

Features
for sideboard, width 472/434 mm without center panel

Features
for sideboard, width 842/804 mm and width 1042/1004 mm

Sideboards with hinged doors				
Depth	**Height**	**Width**		
❶ elneos cubix select		474 mm / 18.66"	844 mm / 33.23"	1.044 mm / 41.10"
424 mm / 16.69"	780 / 30.71	ELCCS.4411.x.y	ELCCS.8411.x	ELCCS.0411.x
	1.000 / 39.37	ELCCS.4412.x.y	ELCCS.8412.x	ELCCS.0412.x
	1.200 / 47.24	ELCCS.4413.x.y	ELCCS.8413.x	ELCCS.0413.x
	1.600 / 62.99	ELCCS.4414.x.y	ELCCS.8414.x	ELCCS.0414.x
605 mm / 23.82"	780 / 30.71	ELCCS.4611.x.y	ELCCS.8611.x	ELCCS.0611.x
	1.000 / 39.37	ELCCS.4612.x.y	ELCCS.8612.x	ELCCS.0612.x
	1.200 / 47.24	ELCCS.4613.x.y	ELCCS.8613.x	ELCCS.0613.x
	1.600 / 62.99	ELCCS.4614.x.y	ELCCS.8614.x	ELCCS.0614.x
❷ elneos cubix pro		434 mm / 17.09"	804 mm / 31.65"	1.004 mm / 39.53"
424 mm / 16.69"	780 / 30.71	ELCCP.4411.x.y	ELCCP.8411.x	ELCCP.0411.x
	1.000 / 39.37	ELCCP.4412.x.y	ELCCP.8412.x	ELCCP.0412.x
	1.200 / 47.24	ELCCP.4413.x.y	ELCCP.8413.x	ELCCP.0413.x
	1.600 / 62.99	ELCCP.4414.x.y	ELCCP.8414.x	ELCCP.0414.x
605 mm / 23.82"	780 / 30.71	ELCCP.4611.x.y	ELCCP.8611.x	ELCCP.0611.x
	1.000 / 39.37	ELCCP.4612.x.y	ELCCP.8612.x	ELCCP.0612.x
	1.200 / 47.24	ELCCP.4613.x.y	ELCCP.8613.x	ELCCP.0613.x
	1.600 / 62.99	ELCCP.4614.x.y	ELCCP.8614.x	ELCCP.0614.x

Ordering information: Replace *.x* with the desired decor (**.1, .2, .3**)! Replace *.y* with **.L** or **.R** for left/right **door hinge**!

Decor 1: *Non-conductive*   **Select version:** Fronts: front white; body: graphite black,   **Pro version:** Fronts/body: front white
                                                              Base: graphite black/front white
Decor 2: *Non-conductive*   **Select version:** Fronts/body/plinth: front white   **Pro version:** –
Decor 3: *ESD version*   **Select version:** Fronts/body/plinth: front white   **Pro version:** Fronts/body: front white

Sideboards with drawers

Features Drawers, some doors.
See order table for layout.

Sideboards with drawers					
Depth	**Height**	**Width**			
❶ elneos cubix select		474 mm / 18.66"	844 mm / 33.23"	1.044 mm/41.10"	Division of drawers/doors
424 mm / 16.69"	780 / 30.71	ELCCS.4421.x	ELCCS.8421.x	ELCCS.0421.x	4x 3 HE
	1.000 / 39.37	ELCCS.4422.x	ELCCS.8422.x	ELCCS.0422.x	1x 3 HE, 2x 4 HE, 1x 5 HE
	1.200 / 47.24	ELCCS.4423.x	ELCCS.8423.x	ELCCS.0423.x	5x 3 HE, 1x 5 HE
	1.600 / 62.99	ELCCS.4424.x	ELCCS.8424.x	ELCCS.0424.x	Top: door(s), bottom: 4x 3 U
605 mm / 23.82"	780 / 30.71	ELCCS.4621.x	ELCCS.8621.x	ELCCS.0621.x	4x 3 HE
	1.000 / 39.37	ELCCS.4622.x	ELCCS.8622.x	ELCCS.0622.x	1x 3 HE, 2x 4 HE, 1x 5 HE
	1.200 / 47.24	ELCCS.4623.x	ELCCS.8623.x	ELCCS.0623.x	5x 3 HE, 1x 5 HE
	1.600 / 62.99	ELCCS.4624.x.y	ELCCS.8624.x	ELCCS.0624.x	Top: door(s), bottom: 4x 3 U
❷ elneos cubix pro		434 mm / 17.09"	804 mm / 31.65"	1.004 mm/39.53"	Division of drawers/doors
424 mm / 16.69"	780 / 30.71	ELCCP.4421.x	ELCCP.8421.x	ELCCP.0421.x	2x 3 HE, 2x 4 HE
	1.000 / 39.37	ELCCP.4422.x	ELCCP.8422.x	ELCCP.0422.x	1x 3 HE, 2x 4 HE, 1x 7 HE
	1.200 / 47.24	ELCCP.4423.x	ELCCP.8423.x	ELCCP.0423.x	6x 3 HE, 1x 4 HE
	1.600 / 62.99	ELCCP.4424.x	ELCCP.8424.x	ELCCP.0424.x	Top: door(s), bottom: 2x 3 U, 2x 4 U
605 mm / 23.82"	780 / 30.71	ELCCP.4621.x	ELCCP.8621.x	ELCCP.0621.x	2x 3 HE, 2x 4 HE
	1.000 / 39.37	ELCCP.4622.x	ELCCP.8622.x	ELCCP.0622.x	1x 3 HE, 2x 4 HE, 1x 7 HE
	1.200 / 47.24	ELCCP.4623.x	ELCCP.8623.x	ELCCP.0623.x	6x 3 HE, 1x 4 HE
	1.600 / 62.99	ELCCP.4624.x.y	ELCCP.8624.x	ELCCP.0624.x	Top: door(s), bottom: 2x 3 U, 2x 4 U

Ordering information: Replace *.x* with the desired decor (**.1, .2, .3**)! Replace *.y* with **.L** or **.R** for left/right **door hinge**!

Decor 1: *Non-conductive*   **Select version:** Fronts: front white; body: graphite black,   **Pro version:** Fronts/body: front white
                                                              Base: graphite black/front white
Decor 2: *Non-conductive*   **Select version:** Fronts/body/plinth: front white   **Pro version:** –
Decor 3: *ESD version*   **Select version:** Fronts/body/plinth: front white   **Pro version:** Fronts/body: front white

Sideboards with sliding doors

Sideboards with roller shutters

Sideboards with sliding doors

Features for sideboard width 1200 to 2000 mm with center panel

Sideboards with roller shutters

Features for sideboard width 800 mm without center panel

Features for sideboard width 1200 to 2000 mm with center panel

Sideboards with sliding doors

Depth	Height	Width			
① elneos cubix select		1.200 mm / 47.24"	1.600 mm / 62.99"	1.800 mm / 70.87"	2.000 mm / 78.74"
424 mm / 16.69"	780 / 30.71	ELCCS.2431.x	ELCCS.6431.x	ELCCS.8431.x	ELCCS.0431.x
	1.000 / 39.37	ELCCS.2432.x	ELCCS.6432.x	ELCCS.8432.x	ELCCS.0432.x
	1.200 / 47.24	ELCCS.2433.x	ELCCS.6433.x	ELCCS.8433.x	ELCCS.0433.x
	1.600 / 62.99	ELCCS.2434.x	ELCCS.6434.x	ELCCS.8434.x	ELCCS.0434.x
605 mm / 23.82"	780 / 30.71	ELCCS.2631.x	ELCCS.6631.x	ELCCS.8631.x	ELCCS.0631.x
	1.000 / 39.37	ELCCS.2632.x	ELCCS.6632.x	ELCCS.8632.x	ELCCS.0632.x
	1.200 / 47.24	ELCCS.2633.x	ELCCS.6633.x	ELCCS.8633.x	ELCCS.0633.x
	1.600 / 62.99	ELCCS.2634.x	ELCCS.6634.x	ELCCS.8634.x	ELCCS.0634.x
② elneos cubix pro		1.200 mm / 47.24"	1.600 mm / 62.99"	1.800 mm / 70.87"	2.000 mm / 78.74"
424 mm / 16.69"	780 / 30.71	ELCCP.2431.x	ELCCP.6431.x	ELCCP.8431.x	ELCCP.0431.x
	1.000 / 39.37	ELCCP.2432.x	ELCCP.6432.x	ELCCP.8432.x	ELCCP.0432.x
	1.200 / 47.24	ELCCP.2433.x	ELCCP.6433.x	ELCCP.8433.x	ELCCP.0433.x
	1.600 / 62.99	ELCCP.2434.x	ELCCP.6434.x	ELCCP.8434.x	ELCCP.0434.x
605 mm / 23.82"	780 / 30.71	ELCCP.2631.x	ELCCP.6631.x	ELCCP.8631.x	ELCCP.0631.x
	1.000 / 39.37	ELCCP.2632.x	ELCCP.6632.x	ELCCP.8632.x	ELCCP.0632.x
	1.200 / 47.24	ELCCP.2633.x	ELCCP.6633.x	ELCCP.8633.x	ELCCP.0633.x
	1.600 / 62.99	ELCCP.2634.x	ELCCP.6634.x	ELCCP.8634.x	ELCCP.0634.x

Ordering information: Replace .x with the desired decor (**.1, .2, .3**)! Replace .y with **.L** or **.R** for left/right **door hinge**!

Decor 1: *Non-conductive* — **Select version:** Fronts: front white; body: graphite black, Base: graphite black/front white — **Pro version:** Fronts/body: front white

Decor 2: *Non-conductive* — **Select version:** Fronts/body/plinth: front white — **Pro version:** –
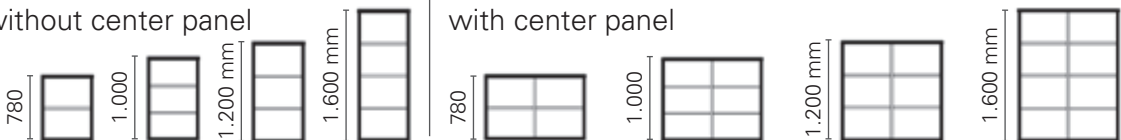
Decor 3: *ESD version* — **Select version:** Fronts/body/plinth: front white — **Pro version:** Fronts/body: front white

Sideboards with roller shutters

Depth	Height	Width				
① elneos cubix select		800 mm / 31.50"	1.200 mm / 47.24"	1.600 mm / 62.99"	1.800 mm / 70.87"	2.000 mm / 78.74"
424 mm / 16.69"	780 / 30.71	ELCCS.441.x	ELCCS.2441.x	ELCCS.6441.x	ELCCS.8441.x	ELCCS.0441.x
	1.000 / 39.37	ELCCS.442.x	ELCCS.2442.x	ELCCS.6442.x	ELCCS.8442.x	ELCCS.0442.x
	1.200 / 47.24	ELCCS.443.x	ELCCS.2443.x	ELCCS.6443.x	ELCCS.8443.x	ELCCS.0443.x
	1.600 / 62.99	ELCCS.444.x	ELCCS.2444.x	ELCCS.6444.x	ELCCS.8444.x	ELCCS.0444.x
605 mm / 23.82"	780 / 30.71	ELCCS.641.x	ELCCS.2641.x	ELCCS.6641.x	ELCCS.8641.x	ELCCS.0641.x
	1.000 / 39.37	ELCCS.642.x	ELCCS.2642.x	ELCCS.6642.x	ELCCS.8642.x	ELCCS.0642.x
	1.200 / 47.24	ELCCS.643.x	ELCCS.2643.x	ELCCS.6643.x	ELCCS.8643.x	ELCCS.0643.x
	1.600 / 62.99	ELCCS.644.x	ELCCS.2644.x	ELCCS.6644.x	ELCCS.8644.x	ELCCS.0644.x
② elneos cubix pro		800 mm / 31.50"	1.200 mm / 47.24"	1.600 mm / 62.99"	1.800 mm / 70.87"	2.000 mm / 78.74"
424 mm / 16.69"	780 / 30.71	ELCCP.441.x	ELCCP.2441.x	ELCCP.6441.x	ELCCP.8441.x	ELCCP.0441.x
	1.000 / 39.37	ELCCP.442.x	ELCCP.2442.x	ELCCP.6442.x	ELCCP.8442.x	ELCCP.0442.x
	1.200 / 47.24	ELCCP.443.x	ELCCP.2443.x	ELCCP.6443.x	ELCCP.8443.x	ELCCP.0443.x
	1.600 / 62.99	ELCCP.444.x	ELCCP.2444.x	ELCCP.6444.x	ELCCP.8444.x	ELCCP.0444.x
605 mm / 23.82"	780 / 30.71	ELCCP.641.x	ELCCP.2641.x	ELCCP.6641.x	ELCCP.8641.x	ELCCP.0641.x
	1.000 / 39.37	ELCCP.642.x	ELCCP.2642.x	ELCCP.6642.x	ELCCP.8642.x	ELCCP.0642.x
	1.200 / 47.24	ELCCP.643.x	ELCCP.2643.x	ELCCP.6643.x	ELCCP.8643.x	ELCCP.0643.x
	1.600 / 62.99	ELCCP.644.x	ELCCP.2644.x	ELCCP.6644.x	ELCCP.8644.x	ELCCP.0644.x

Ordering information: Replace .x with the desired decor (**.1, .2, .3**)! Replace .y with **.L** or **.R** for left/right **door hinge**!

Decor 1: *Non-conductive* — **Select version:** Fronts: front white; body: graphite black, Base: graphite black/front white — **Pro version:** Fronts/body: front white

Decor 2: *Non-conductive* — **Select version:** Fronts/body/plinth: front white — **Pro version:** –

Decor 3: *ESD version* — **Select version:** Fronts/body/plinth: front white — **Pro version:** Fronts/body: front white

Modules for wall units/sideboards

cubix shelving module, width 1,120 mm, Height 800 mm. With 2 glass shelves (optional). Mounted on a 1,042 mm wide sideboard.

left: cubix 19-inch sub-distribution unit right: cubix valuables compartment column

elneos® cubix Valuables compartment column Mounted on a sideboard or integrated in a cabinet. For storing valuables, size W: 475 x H: 992 mm. Divided into 4 compartments, usable size per compartment approx. W: 438 x H: 220 mm.
Locking with lock (optional electronic, RFID).

elneos® cubix 19-inch room sub-distribution Mounting on a sideboard or integrated in a cabinet. Size B: 525 x H: 992 mm to accommodate 21 U. Optionally with lockable door (wood or glass). Note: The emergency stop can also be activated when the door is closed!

elneos cubix safe deposit box column	
Cupboard depth	Order no.
420 mm	ELCC.WS44.x.y
600 mm	ELCC.WS46.x.y

elneos cubix 19-inch room sub-distribution board		
Cupboard depth	Order no.	Door optional
420 mm	ELCC.UV54.x	Wood: ELCC.UV.HT.y
600 mm	ELCC.UV56.x	Glass: ELCC.UV.GT.y

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3, .4, .5)!**
Decor 1: *Non-conductive.* Fronts / carcase: graphite black
conductive. Fronts / carcase: front white
Décor 3: *ESD version.* Fronts / carcass: front white

Replace **.y** with **.L** or **.R** for **door hinge** left / right!
Décor 4: . Fronts / carcase: chartreuse green (U19508) **Décor 2:** *Non-*
Décor 5: *Non-conductive.* Fronts / carcase: zinc yellow (RAL 1018)

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elneos® cubix Shelving modules
Mounted on a sideboard. With aluminum impact protection on the outer sides as standard. The shelf modules are configured so that they are always
100 mm to the side (right or left) and 50 mm to the front.
Locking with lock (optional electronic, RFID).

Equipment
for shelving modules up to 1,144 mm wide without center panel,
Wooden shelves 19 mm

Equipment
For shelving modules from width 1,300 mm with center panel, wooden shelves 19 mm

F= Shelf

elneos cubix shelf modules							
		Suitable for sideboards with hinged doors and drawers with cabinet width...		Suitable for sideboards with sliding doors and roller shutters with cabinet width...				
		844 mm	1,044 mm	800 mm	1,200 mm	1,600 mm	1,800 mm	2,000 mm
Depth mm	Height mm	Width						
		944 mm	1.144mm	900 mm	1,300 mm	1,700 mm	1,900 mm	2,100 mm
474	400	ELCC.9441.x	ELCC.1141.x	ELCC.9041.x	ELCC.1341.x	ELCC.1741.x	ELCC.1941.x	ELCC.2141.x
	600	ELCC.9442.x	ELCC.1142.x	ELCC.9042.x	ELCC.1342.x	ELCC.1742.x	ELCC.1942.x	ELCC.2142.x
	800	ELCC.9443.x	ELCC.1143.x	ELCC.9043.x	ELCC.1343.x	ELCC.1743.x	ELCC.1943.x	ELCC.2143.x
655	400	ELCC.9461.x	ELCC.1161.x	ELCC.9061.x	ELCC.1361.x	ELCC.1761.x	ELCC.1961.x	ELCC.2161.x
	600	ELCC.9462.x	ELCC.1162.x	ELCC.9062.x	ELCC.1362.x	ELCC.1762.x	ELCC.1962.x	ELCC.2162.x
	800	ELCC.9463.x	ELCC.1163.x	ELCC.9063.x	ELCC.1363.x	ELCC.1763.x	ELCC.1963.x	ELCC.2163.x
Optionally with glass shelf order no.: ELCC.FB3								

Ordering information: Replace **.x** with the desired **decor (.1, .2, .3, .4, .5)! Decor 3:** *ESD version.* Body: front white, impact protection: anodized aluminium
Decor 1: . Body: graphite black, impact protection: anodized aluminium **Décor 4:** *Non-conductive.* Body: chartreuse green (U19508), impact protection: anodized aluminium.
Decor 2: *Non-conductive.* Body: front white, impact protection: anodized aluminium **Decor 5:** *Non-conductive.* Body / impact protection (powder-coated aluminum): zinc yellow (RAL1018)

cubix shelving module, width 1,142 mm, Height 800 mm. With 2 glass shelves (optional). Mounting on a 1,042 mm wide Sideboard, decor 4.

cubix shelving module, width 1,142 mm, Height 400 mm. Mounting on a 1,042 mm wide sideboard. Entire wall unit incl. cubix shelving module in ESD design, decor 3.

Modules for wall units/sideboards

Detailed view of hinged compartment

4 *Detailed view of the supply strip (optional), can be integrated into the valuables, lock and folding compartments*

Detailed view of open valuables compartment

Figure elneos cubix parking garage for 4 tools weighing with "safe" extension module.

elneos® cubix parking garage
The parking garage offers plenty of storage space. The functional design keeps everything structured and organized. With aluminum impact protection on the outside as standard.
pages. The parking garage is equipped with various extensions. modules (see left and below). **2**

Extension modules for the parking garage
Folding compartment: with aluminum impact protection on the outside as standard. Mounted on the valuables compartment. Locking with lock (optional electronic, RFID). Number of compartments for parking garage for 2 tool trolleys: 1 hinged compartment, for 4 tool trolleys: 2 hinged compartments (see left and below **3**).

Supply strip: Can be integrated into the valuables, lockers and hinged compartments. Expand 2 profile, length: 28 HP. Equipped with 1 earthed socket outlet and a USB double charging socket (see left **4**).

Valuables compartment: with aluminum impact protection on the outside as standard. Mounted on the elneos cubix parking garage. For storing valuables. Locking with lock (optional electronic, RFID). The number of compartments corresponds to the number of tool trolleys per

Parking garage (see left and below **5**).

Locker: aluminum impact protection on the outside as standard. Mounted on the elneos cubix parking garage. For storing bags and teaching materials. Height 490 mm, incl. one intermediate shelf with continuous hole pattern. 2 versions available. With overhang
Front and side or flush with parking garage. Locking with lock (optional electronic, RFID). The number of compartments corresponds to the number of trolleys per parking garage (see below **6**).

Extension module locker flush, decor 1

Extension module hinged compartment, decor 2

Extension mo dulevaluables compartment, decor 4

Parking garage for 2 Tool trolleys, Decor 2

Parking garage for 4 Tool weighing, decor 1

elneos® cubix tool trolley With aluminum impact protection on the outside as standard. Drawers with ergonomic
Functional handles and smart-close technology. Optional touch-to-open (handleless design). Lockable with lock. Alternative locking systems available (electronic, RFID, see page 342). Swivel castors with locking device,see above **1**
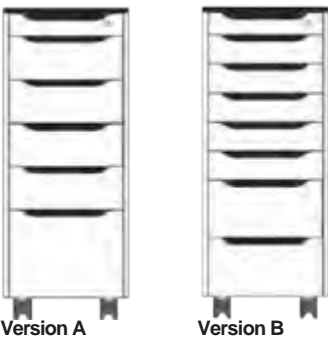
Handles: Ergonomic functional handle in graphite black (RAL 9011) as standard.

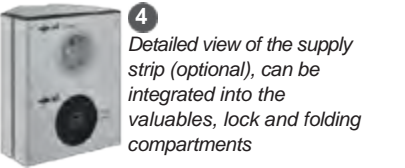|	
Optional blue (NCS-S-1565-B)	**Order no.:** ELCCS3
Optional elneos-green (RAL DESIGN 1107070)	**Order no.:** ELCCS4
Optional zinc yellow (RAL1018)	**Order no.:** ELCCS5

Version A   **Version B**

Figure 4: Tool trolley version A with ergonomic Functional handles in blue (option)

Figure 5: Tool trolley version B with ergonomic functional handles in graphite black (standard)

elneos cubix tool trolleys			
1 tool trolley	**Size** (W x D x H)	**Classification**	**Order no.**
Version A	434 x 572 x 1082 mm	6 drawers: 1x 1 U, 4x 3 U, 1x 6 U	ELCC.WZA.x
Version B	434 x 572 x 1082 mm	8 drawers: 1x 1 U, 5x 2 U, 2x 4 U	ELCC.WZB.x

Ordering information: Replace **.x** with the desired decor (**.1**, **.2**, **.3**)!
Décor 1: *Non-conductive.* Fronts: front white, body: graphite black

Decor 2: *Non-conductive.* Fronts / carcase: front white
Décor 3: *ESD version.* Fronts / carcass: front white

elneos cubix parking garages for tool trolleys and extension modules				
	for 2 tool trolleys		**for 4 tool trolleys**	
	W x D x H in mm	**Order no.**	**W x D x H in mm**	**Order no.**
2 Parking garage	1013 x 604 x 1108	ELCC.G2.x	2007 x 604 x 1108	ELCC.G4.x
3 Folding compartment	1013 x 604 x 321	ELCC.KF1.x	2007 x 604 x 321	ELCC.KF2.x
4 Supply strip	ELCC.VL			
5 Safe deposit box*	1113 x 650 x 262	ELCC.WF2.z*	2107 x 650 x 262	ELCC.WF4.z*
6 Locker overhang	1113 x 650 x 490	ELCC.SF2.x.y	2107 x 650 x 490	ELCC.SF4.x.y
Locker flush	1013 x 604 x 490	ELCC.SF2B.x.y	2007 x 604 x 490	ELCC.SF4B.x.y

***** Colored decors can only be used on the value compartment module! Replace **.z** with the desired **decor (.1, .2, .3, .4, .5)**

Ordering information:
.x through the desired Replace **decor (.1, .2, .3)!**
.y with **.L** or **.R** for **door stop left / right! Decors for parking garage,
Folding compartment, locker Overhang and flush
Decor 1:** *Non-conductive.* Fronts: front white, carcass: graphite black **Décor 2:** *Non-conductive.* Fronts / carcase: front white **Décor 3:** *ESD version.* Fronts / carcase: front white

Decor 1: . Body: graphite black, impact protection: anodized aluminium
Decor 2: *Non-conductive.* Body: front white, impact protection: anodized aluminium
Decor 3: *ESD version.* Body: front white, impact protection: anodized aluminium

Decor 5: *Non-conductive.* Body / impact protection (powder-coated aluminum): zinc yellow (RAL1018)

locking systems

Manual locking system

Example of manual closing
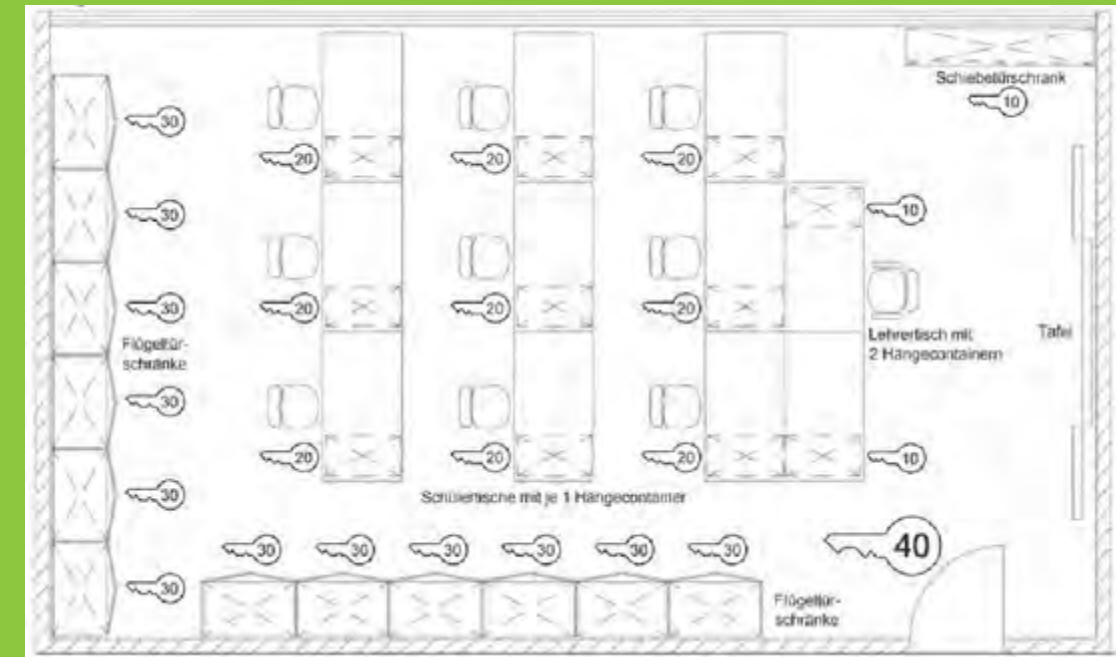
Single key, keyed alike for

Container at the teacher's desk, sliding door cupboard

Container at student desks

Hinged door wardrobes

Master key for

All locks in the room

Example of electronic locking by radio
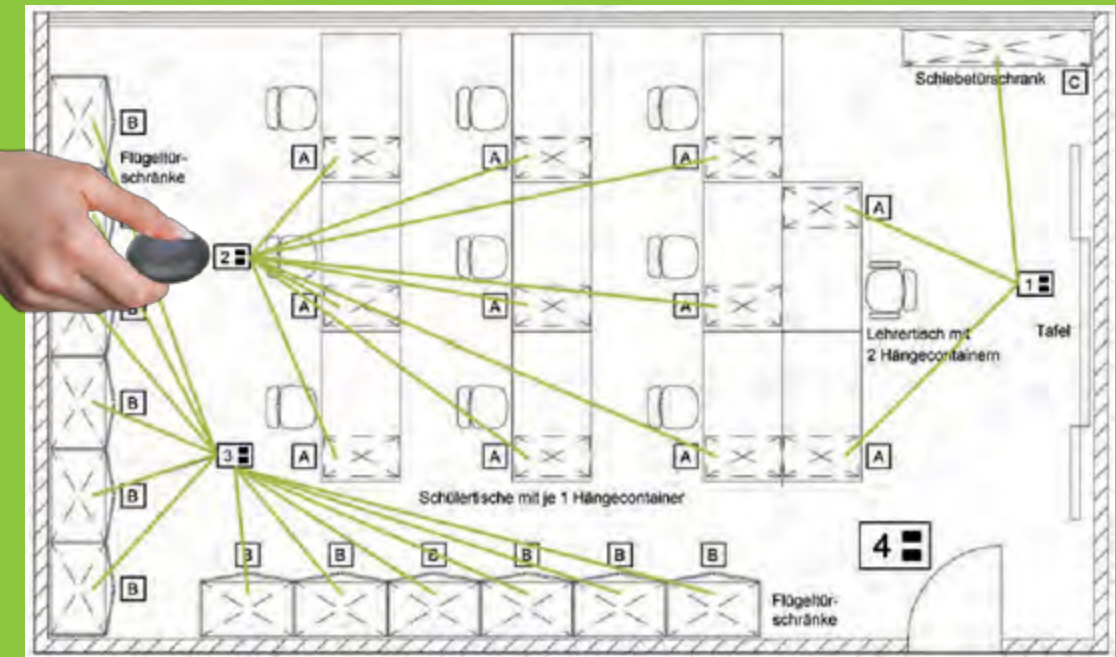
Electronic locking for

[A] Drawers Hinged doors Sliding doors

[B] Roller shutters

[C]

Infrared transmitter+ Programming stick/programming transmitter for

[1] Container at the teacher's desk, sliding door and roller shutter cabinet

[2] Containers at school desks

[3] Hinged door wardrobes

[4] All locks in the room

Single lock (series)

This design is standard for all locks!

Order no. Spare key for single lock, optionally different or keyed alike: ELCC.ME

Note: 2 keys are always supplied with each lock!

different locking   *keyed alike*

Main locking system

Scope of delivery: Different locking individual locks in one room, each with 2 matching keys and 2 master keys suitable for all locks.

General master key system

Scope of delivery: Different locking individual locks in several rooms (group), each with 2 matching individual keys and 2 group keys per room (group), suitable for all locks per room (group) and 2 master keys suitable for all locks of the master key system.
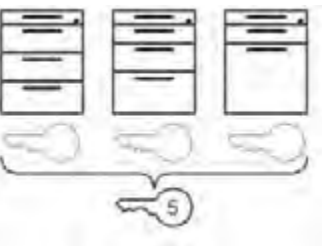
Main locking system	
Surcharge for master key system-capable single lock (per cylinder)	ELCC.MH.1
Spare key for master key-operated single lock	ELCC.MH.2
Additional master key	ELCC.MH.3
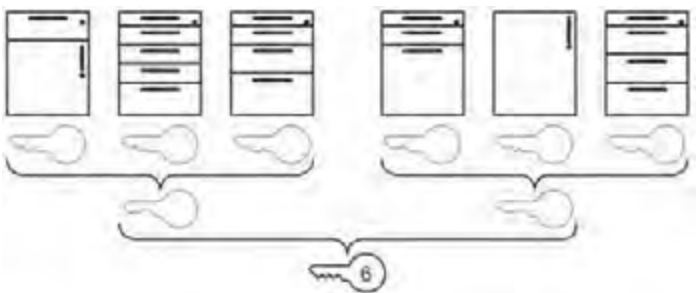
General master key system	
Surcharge for master key system-compatible single lock (per cylinder)	ELCC.MG.1
Spare key for master key system-compatible single lock	ELCC.MG.2
Further group key	ELCC.MG.3
Another master key	ELCC.MG.4

Electronic locking systems elneos® lock

Electronic locking system with radio 2.4 GHz A transmitter (2-channel hand-held radio transmitter) that activates an electronic control module at the push of a button, which in turn triggers the motorized locking mechanisms to unlock or lock the furniture - even over long distances.

Note: Electronic locking is not possible for complete glass doors and roller shutter systems! Doors with touch-to-open function must be checked if necessary!

Advantages of the elect. locking system with radio:

- Convenient solution - simultaneous control of several locks possible
- Open and close at the touch of a button
- Possible over long distances
- Specific access permissions programmable
- Automatic locking can be set after a certain period of time
- Programming is retained even without power supply

- Minimal administrative effort thanks to simple programming using the supplied T-piece for programming the locks per transmitter (hand-held transmitter). 50 transmitters/lock can be programmed and approx. 10 locks per transmitter (recommended)
- Visual display of locking and unlocking processes
- Wireless thanks to internal power supply
- Visual warning when the battery voltage drops
- Commercially available batteries
- Simple battery change
- Optical display with connection option for emergency power supply with cable (depending on the lock type, a separate emergency power supply device is required)

Note: A reset removes all transmission codes from the furniture lock. Individual hand-held transmitters cannot be deleted!

Fig.: Detailed view of electronic locking using a transmitter - even over long distances.

Electronic locking by radio		
2.4 GHz radio transmitter		ELCC.E.1
Additional 2.4 GHz radio transmitter (optional master key)		ELCC.E.2
Electronic locking	for hinged doors	ELCC.E.11
	for drawers	ELCC.E.12
	for sliding doors	ELCC.E.13
	for mobile / suspended pedestals	ELCC.E.14
	for Orgatower, apothecary cabinet, wall cabinet	ELCC.E.15

Electronic locking system with RFID
When a user card is held in front of the RFID lock, an electronic control module is activated, which in turn causes the motorized locking mechanism to unlock or lock the furniture.

You can choose between 2 operating modes. **Fixed access:** Card is assigned to the lock **Free access:** Card is activated or deactivated again when the lock is operated

Note: RFID locking is not possible for entire glass doors and roller shutter systems! Doors with touch-to-open function must be checked if necessary!

The following cards are for this system:

- Master cards: Set consisting of...
  - Master card: Is required for teaching the user cards and for configuring the locks. It is also used for emergency opening. Only 1 master card per lock can be programmed, several locks per master card are possible
  - Update card: Firmware updates can be loaded onto the locking system in conjunction with the master card

- Service key card: The master card is unique and therefore guarantees the security of the locking system. Duplicates can only be obtained from the manufacturer using the service key. If this card is lost, no further Master card can be obtained!
- User cards: Up to 50 user cards can be programmed per lock (with fixed access)
- Programming cards: For setting and changing various functionalities on the lock

Advantages of the elect. locking system with RFID:

- Visual and acoustic signaling when closing / unlocking
- Transponder tags or wristband transponders can be used instead of user cards.
  The compatibility of third-party providers must be checked
- No time-consuming reordering of keys when employees change or relocate, just simple reprogramming
- Wireless thanks to internal power supply
- Visual warning when the battery voltage drops
- Operating modes freely selectable: Fixed allocation, free choice of cabinet
- Micro USB port on the RFID reader for an emergency power supply (using a commercially available power bank)
- Optional management software (MS) for authorization assignment and administration at the click of a mouse

Electronic locking via RFID		
Master cards	Set: Master-Card, Update-Card, Service-Key	ELCC.R.1
User card		ELCC.R.2
Programming cards	for lock function	ELCC.R.3
MS software	Management software (authorization assignment and administration)	ELCC.R.4
RFID locking	for hinged doors	ELCC.R.11
	for drawers	ELCC.R.12
	for sliding doors	ELCC.R.13
	for mobile / suspended pedestals	ELCC.R.14
	for Orgatower, apothecary cabinet, wall cabinet	ELCC.R.15

erfi

Functional seating furniture elneos® stay

The elneos stay functional seating furniture offers plenty of storage space and impresses with its functional design. All drawers and doors are fitted with a lock, optionally with electronic locking. Touch-to-open function for drawers and doors is included. Each corner is protected against impact by a 90° aluminum round profile. The plinth "elneos connect-LINE" is designed as a recessed sandwich construction to provide an optional indication light for the "open" or "closed" status display. "closed" to be included.
The elneos stay functional seating furniture is ideal for the Share and Discuss work mode.

Décor:
Body: graphite black / front white, fronts: front white
Base: graphite black / front white

Seat surface:
Fabric, 100 % polyester, color grey or black, breathable, fire protection standard upholstery: BS5852 Part I Cigarette Test-PASS, EN1021-1 Cigarette Test-PASS

Reach compliant:
Respects the environment with the use of new technologies in production processes.

90° aluminum round profile

Touch-to-open

elneos connect-LINE" base with indication light for status display: green = open, red = closed
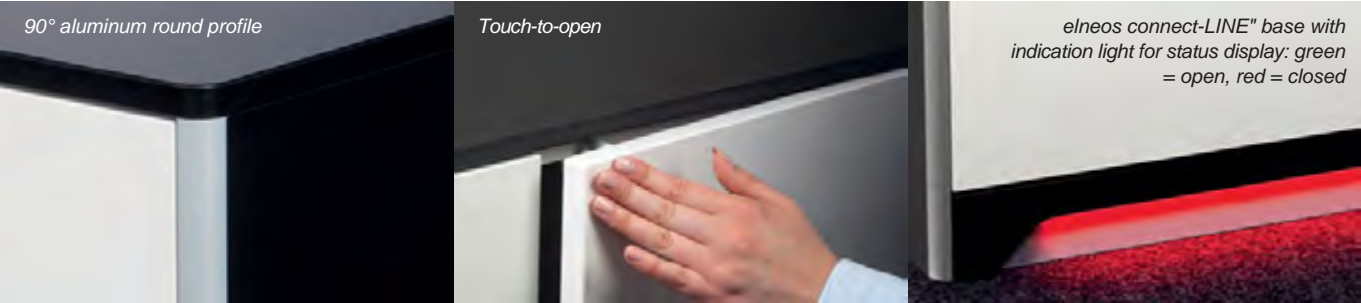
elneos® stay - Functional stool with castors or glides

The functional stools are an eye-catcher in any room. Very flexible. In different versions and colors available.

elneos stay functional stool with "castors"			
Stool with storage space	Size in mm W x D x H	Fabric gray, order no.	Fabric black, order no.
4 compartments, graphite black / front white		ELCS.H.R1.1	ELCS.H.R1.2
2 compartments, front white	434 x 462 x480	ELCS.H.R2.1	ELCS.H.R2.2
1 compartment, graphite black	17,09 x 18,19 x 18,9"	ELCS.H.R3.1	ELCS.H.R3.2
1 door, chartreuse green (U19508)		ELCS.H.R4.1	ELCS.H.R4.2
2 drawers, zinc yellow (RAL 1018)		ELCS.H.R5.1	ELCS.H.R5.2
elneos stay functional stool with "glides"			
Stool with storage space	Size in mm W x D x H	Fabric gray, order no.	Fabric black, order no.
4 compartments, graphite black / front white		ELCS.H.G1.1	ELCS.H.G1.2
2 compartments, front white	434 x 462 x480	ELCS.H.G2.1	ELCS.H.G2.2
1 compartment, graphite black	17,09 x 18,19 x 18,9"	ELCS.H.G3.1	ELCS.H.G3.2
1 door, chartreuse green (U19508)		ELCS.H.G4.1	ELCS.H.G4.2
2 drawers, zinc yellow (RAL 1018)		ELCS.H.G5.1	ELCS.H.G5.2

Other decors are available on request.

elneos® stay
functional seating furniture

Functional seating furniture elneos® stay

Accessories elneos® stay

Aluminum impact protection on the outside, 90° aluminum round profile at the front and at the back

Accessories Shelf model cubix

Aluminum impact protection on outer sides, 90° aluminum round profile, top and bottom

Classic model (1x wide-wall drawer)

Drawer without handles, touch-to-open function (handleless design)

Model dynamic (from behind)

connect-LINE base, with indication light

Fitting technology invisible from the outside

Model dynamic (from the front, 2 units in combination, each with 2 hinged doors and shelf as well as 1 wide-wall drawer)

Back-to-back model (2x 3 wide wall drawers)

Functional seating furniture elneos® stay

classic model: For up to 2 people.
Decor: graphite black / front white as illustrated.
Size: 1038 x 462 x 480 mm.
With a fully organizable wide-wall drawer.

Model dynamic: For up to 2 people.
Decor: graphite black / front white as shown. Size: 1810 x 462 x 702 mm.
Seat surface: approx. 900 x 462 mm, seat height 480 mm. With 2 hinged doors and 1 adjustable shelf as well as a fully organizable wide-wall drawer.

Back-to-back model: For up to 10 people. Decor: graphite black / front white as shown. Size: 2040 x 1040 x 780, seat height: 480 mm.
Can be used on 4 sides as a bench seat with ergonomically shaped center backrest.
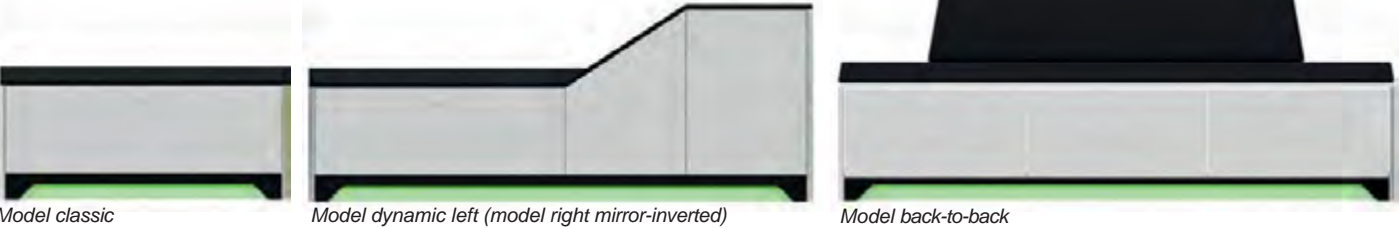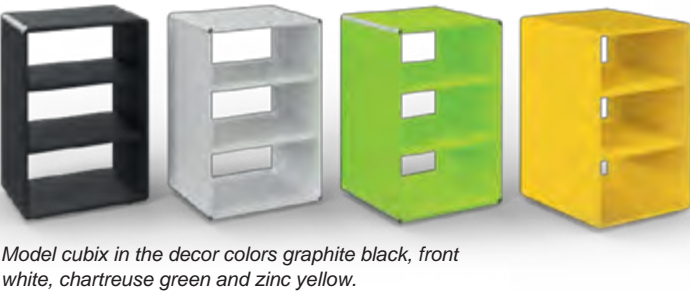A total of 6 fully organizable wide drawers, 3 on each long side.

Intelligently used storage spaces

Fully organizable wide wall drawer

cubix: Size: 602 x 562 x 885 mm. Open shelf incl. 2 adjustable shelves, 19 mm thick.
Each corner is protected against impact by a 90° aluminum round profile.

Table small model share: 600 x 600 x 550 mm. Decor: graphite black / front white, 4 storage compartments.

Large table model discuss: 800 x 600 x 550 mm. Decor: graphite black / front white, 8 storage compartments.

Model cubix in the decor colors graphite black, front white, chartreuse green and zinc yellow.

Model classic

Model dynamic left (model right mirror-inverted)

Model back-to-back

Table small model share

Large table model discuss

Functional seating elneos stay			
Model	**Size in mm / inch W x D x H**	**Fabric gray, order no.**	**Fabric black, order no.**
classic	1038x462x480 / 40,87x18,19x18,90	ELCS.C.1	ELCS.C.2
dynamic links	1810x462x702 / 71,26x18,19x27,64	ELCS.D.1L	ELCS.D.2L
dynamic rechts	1810x462x702 / 71,26x18,19x27,64	ELCS.D.1R	ELCS.D.2R
back-to-back	2040x1040x780 / 80,31x 40,94x30,71	ELCS.B.1	ELCS.B.2

*Note: Specify additional order number for **indication light** in the base.*

RGB LED indication light - integrated in the "elneos connect-LINE" base		
Model classic	**Model dynamic**	**Back-to-back model**
ELC2.9.C.I	ELC.2.9.D.I	ELC2.9.B.I

elneos stay functional seating furniture - Accessories		
Functional furniture	**Size in mm W x D x H**	**Order no.**
Model cubix incl. 2 shelves 19 mm	602 x 562 x 885	ELCC.C1.x
Table small model share	600 x 600 x 550	ELCS.T1
Table gr. model discuss	800 x 600 x 550	ELCS.T2
Shelves 19 mm		ELCC.FB.1
Optional glass shelf		ELCC.FB.3
Castor set for sideboards and seating furniture		ELCC.RS
Electronic locking (radio / RFID)		sh. page 342

Ordering information: Replace **.x** with the desired **decor** (.1, .2, .4, .5)! **Decor 1:** *Non-conductive.* Body: graphite black, impact protection: anodized aluminium **Décor 2:** *Non-conductive.* Body: front white, impact protection: anodized aluminium **Decor 4:** *Non-conductive.* Body: chartreuse green (U19508), Impact protection: anodized aluminium **Decor 5:** *Non-conductive.* Body / impact protection (powder-coated aluminum): zinc yellow (RAL1018)

Add-on modules elneos® stay

Fig.: Combination of classic - 2-seater, corner piece - 4-seater and classic - 2-seater.

Each with optional backrest and optional RGB LED indication light "elneos connect-LINE"

Extension modules elneos® stay

The add-on modules can arranged in any order, and the cubix shelf can also be integrated. On the outer sides, the aluminum impact protection, 90° aluminum round profile at the front and rear can be ordered as an optional end module.
The same applies to the "elneos connect LINE" plinth lighting.

Model classic - 2- and 3-seater:

Decor: graphite black / front white as illustrated.

Size 2-seater: 1038 x 462 x 480 mm
with 2 hinged doors.

Size 3-seater: 1581 x 462 x 480 mm
with 4 hinged doors.

Corner module model - 4 seater:

Decor: graphite black / front white as shown. Size: 1038 x 462 x 480 mm,
plus 2 x 45° corner piece.

Corner module - 4 seater

elneos stay add-on modules with doors			
Model	Size in mm W x D x H	Fabric gray, order no.	Fabric black, order no.
classic - 2 seater	1038 x 462 x 480 (2 hinged doors)	ELCS.C2.1	ELCS.C2.2
classic - 3 seater	1581 x 462 x 480 (4 hinged doors)	ELCS.C3.1	ELCS.C3.2
Corner module - 4 seater	1038 x 462 x 480 plus 2 x 45° corner piece	ELCS.C4.1	ELCS.C4.2

Optional equipment for the add-on modules		classic - 2-seater	classic - 3-seater	Corner module - 4 seater
Backrest (thickness 19 mm) with back cushion		ELCS.C2.R	ELCS.C3.R	ELCS.C4.R
RGB LED indication light "elneos connect-LINE"		ELC2.9.C2.I	ELC2.9.C3.I	ELC2.9.C4.I
Shell handle as an alternative to touch-to-open		ELCCS6		
Exterior aluminum impact protection (2 x end module)	graphite black	ELCS.AS.1		
	front white	ELCS.AS.2		

elneos® Mobile

Flexible anytime, anywhere

Mobile

Fig. 1: Example of elneos Mobile in medical technology. With inclinable and straight shelf, drawer container and push handles. Extended with PC holder accessory (see page 173) and socket strip (see page 374).
Fig. 2: Example elneos Mobile for cleaning staff. With perforated panel, straight shelf and push handles.
Fig. 3: Example elneos mobile for presentations. With tiltable shelf, pull-out shelf and drawer container with 3 drawers and push handles.
Fig. 4: Example of elneos mobile in the laboratory area. With 19-inch aluminum channel - equipped with the elneos six device series, keyboard drawer, 3 U device container with front door, expand profile 2 on both sides to accommodate acto insert panels (see page 140). Extended with monitor holder accessories (see page 372).

Technical product description:

elneos connect Mobile

elneos Mobile are flexible and versatile, z. e.g. in medicine, laboratories, schools, etc. Different models are available depending on the application and intended use.
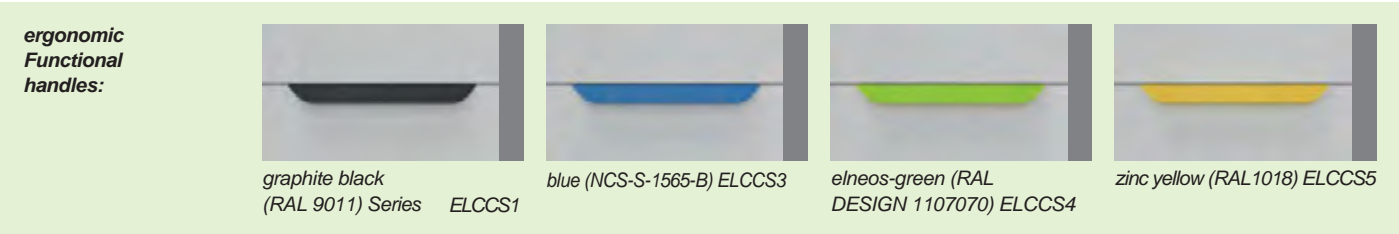
Base frame incl. base plate: Consisting of sturdy welded steel frame with 4 heavy-duty swivel castors. Base plate, 30 mm thick, melamine resin-coated.

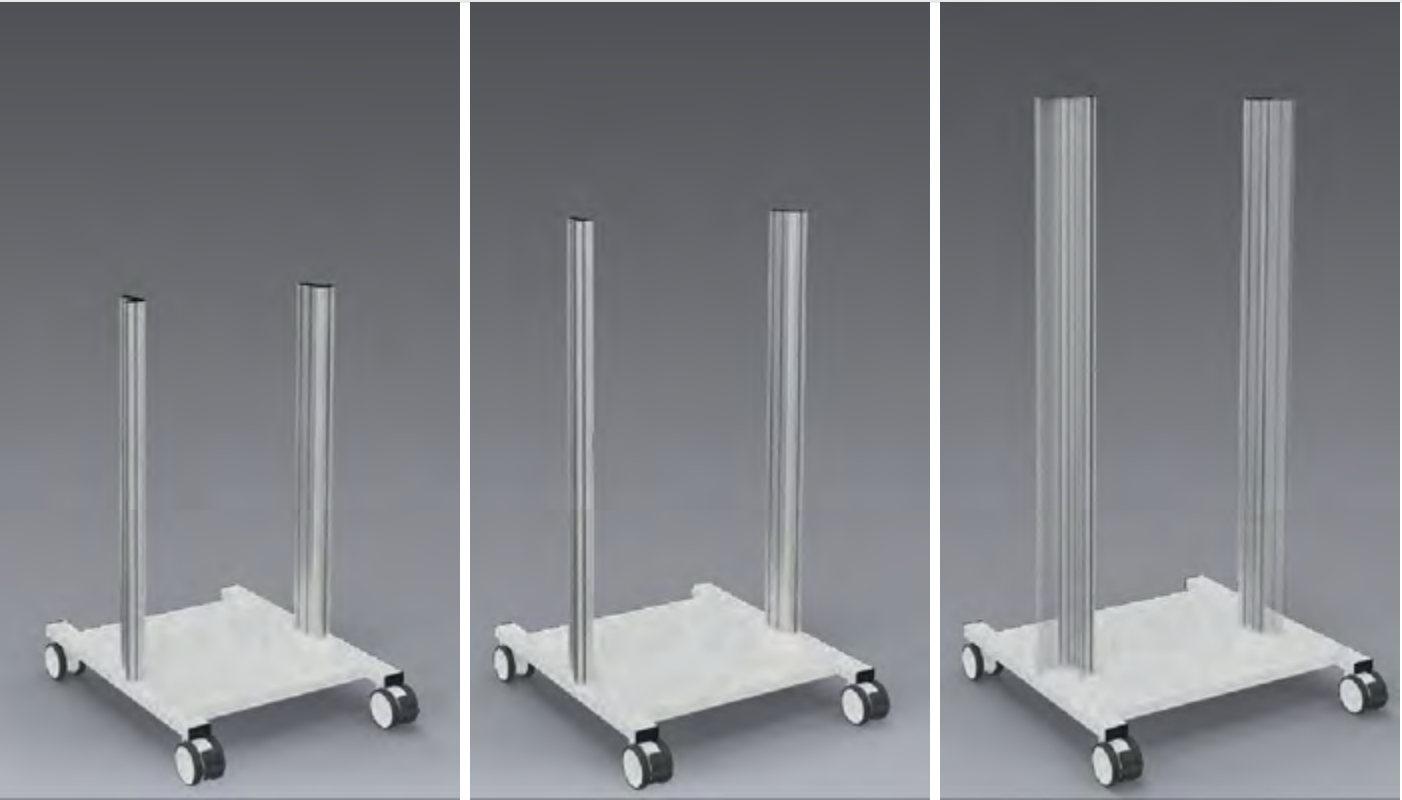**Castors:** Heavy-duty, Ø 100 mm. 2 lockable castors.

Base profiles: 2 aluminum L-profiles, each solidly bolted to the steel frame via 2 brackets. To accommodate all modules: Shelves, pull-out shelves, keyboard pull-outs, drawer pedestals, 19-inch equipment containers (except Orgamobil) and accessories. Heights: 780 / 1300 / 1600 / 1800 mm.

Configuration modules: All modules (shelves, drawer containers, etc.) can be fixed in the groove of the aluminum profile using steel brackets. All shelves are melamine-coated. All configuration modules are variable in height.

Handles for configuration modules: The configuration modules are equipped with a black bow handle as standard. Alternatively, the ergonomic functional handle can be selected in different colors, see below.

ergonomic Functional handles:

graphite black (RAL 9011) Series ELCCS1

blue (NCS-S-1565-B) ELCCS3

elneos-green (RAL DESIGN 1107070) ELCCS4

zinc yellow (RAL1018) ELCCS5

Base frames

Mobile unit (W x D): 646 x 758 mm
Usable area (W x D): 525 x 600 mm
Height shown: 1100 mm

Orgamobil (W x D): 721 x 758 mm
Usable area (W x D): 600 x 600 mm
Height shown: 1300 mm

Energy mobile (W x D): 821 x 758 mm
Usable area (W x D): 525 x 600 mm
Height shown: 1600 mm
Optionally with continuous Expand 2 profile

The models

1. elneos connect mobile device
Consisting of base frame incl. base plate, castors and lateral aluminum L-profiles. Size (W x D x H): 646 x 758 x 780 / 1,100 / 1,300 / 1,600 / 1,800 mm
Usable area (W x D): 525 x 600 mm

2. elneos connect Orgamobil
Consisting of base frame incl. base plate, castors and lateral aluminum L-profiles. Size (W x D x H): 721 x 758 x 780 / 1,100 / 1,300 / 1,600 / 1,800 mm
Usable area (W x D): 600 x 600 mm
Note: 19-inch device containers not possible here!

3. elneos connect Energiemobil
Consisting of base frame incl. base plate, castors and lateral L-profiles made of aluminum. **Special feature:** Here, the L-profiles are set further inwards to optionally accommodate continuous Expand 2 profiles.
Size (W x D x H): 821 x 758 x 780 / 1,100 / 1,300 / 1,600 / 1,800 mm
Usable area (W x D): 525 x 600 mm

Mobile base frames						
Mobil	Gestellfläche B x T	H: 780 mm / 30.71"	H: 1.100 mm / 43.31"	H: 1.300 mm / 51.18"	H: 1.600 mm / 62.99"	H: 1.800 mm / 70.87"
Gerätemobil	646 x 758 mm / 25.43 x 29.84"	ELCM.6778.x	ELCM.6711.x	ELCM.6713.x	ELCM.6716.x	ELCM.6718.x
Orgamobil	721 x 758 mm / 28.39 x 29.84"	ELCM.7778.x	ELCM.7711.x	ELCM.7713.x	ELCM.7716.x	ELCM.7718.x
Energiemobil	821 x 758 mm / 32.32 x 29.84"	ELCM.8778.x	ELCM.8711.x	ELCM.8713.x	ELCM.8716.x	ELCM.8718.x

Ordering information: Replace **.x** with the desired decor! **.1** front white, non-conductive **.2** front white, ESD conductive

Shelves

All configuration modules (shelves, drawer containers, etc.) can be fixed in the groove of the aluminum profile using sturdy steel brackets and are therefore variable in height.

All shelves are melamine coated.

Fig. 1 left:
Orgamobil (W x D x H): 721 x 758 mm x 1100 mm
Usable area (W x D): 600 x 600 mm
With inclinable shelf, straight shelf and pull-out shelf.

Stiffening strut
Quality steel profile tube for additional stabilization if required.

Stiffening strut		
suitable for	Size (W x D x H)	Order no.
Appliance / energy mobile	525 x 20 x 60 mm	ELCM.510
Orgamobile	600 x 20 x 60 mm	ELCM.610

Straight shelves
Thickness: 30 mm.

Straight shelf		
suitable for	Size (W x D x H)	Order no.
Appliance / energy mobile	525 x 600 x 19 mm	ELCM.511.x
Orgamobile	600 x 600 x 19 mm	ELCM.611.x

Shelves tiltable
Thickness: 30 mm. Shelves can be tilted forwards by 15°, including 2 adjustment levers and stopper edge.

Shelf tiltable		
suitable for	Size (W x D x H)	Order no.
Appliance / energy mobile	525 x 600 x 19 mm	ELCM.512.x
Orgamobile	600 x 600 x 19 mm	ELCM.612.x

Pull-out shelves
Thickness: 19 mm. Quality steel profile tubes.

Pull-out shelves		
suitable for	Size (W x D x H)	Order no.
Appliance / energy mobile	525 x 600 x 60 mm (NB: 475 mm)	ELCM.513.x
Orgamobile	600 x 600 x 60 mm (NB: 550 mm)	ELCM.613.x

Ordering information: Replace **.x** with the desired decor! **.1** front white, non-conductive **.2** front white, ESD conductive
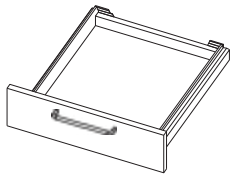

Drawers

*Figure 2: Orgamobil (W x D x H):*
721 x 758 mm x 1100 mm
usable area (W x D):
600 x 600 mm
With keyboard drawer and 3-drawer container.

Overview of drawers

Suitable for appliance / energy mobile and container size (W x D) 525 x 600 mm. Usable drawer area (W x D):
415 x 495 mm
with full-extension runner.
Cannot be organized.

Matching drawers for Orgamobil and container size (W x D) 600 x 600 mm.
Usable drawer area (W x D): 490 x 491 mm with full-extension runners.
Can be fully organized with dividers, compartment dividers etc., see page 174.
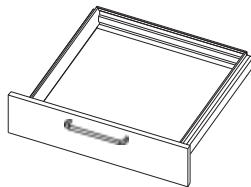
Keyboard drawer
Top panel 30 mm thick, remaining shelves 19 mm. Rear with flap and storage space for socket strips, cables, etc. Front with black bow handle as standard. Alternatively ergonomic functional handle, see page 352. Pull-out mouse pad optional.

Keyboard drawer		
suitable for	Size (W x D x H)	Order no.
Appliance / energy mobile	525 x 600 x 202 mm (NB: 470 mm)	ELCM.514.x
Orgamobile	600 x 600 x 202 mm (NB: 545 mm)	ELCM.614.x
Optional retractable mousepad		ELCM.614M

Drawer container
Top panel 30 mm thick, remaining shelves 19 mm. Drawer fronts each 150 mm high. With black bow handle as standard. Alternatively ergonomic functional handle, see page 352.

Drawer container		
suitable for	Size (W x D x H)	Order no.
Appliance / energy mobile (Usable drawer area: 415 x 495 mm)		
1 drawer	525 x 600 x 180 mm	ELCM.515.1.x
2 drawer	525 x 600 x 330 mm	ELCM.515.2.x
3 Drawer	525 x 600 x 480 mm	ELCM.515.3.x
4 Drawer	525 x 600 x 630 mm	ELCM.515.4.x
Orgamobile (Usable drawer area: 490 x 491 mm)		
1 drawer	600 x 600 x 180 mm	ELCM.615.1.x
2 drawer	600 x 600 x 330 mm	ELCM.615.2.x
3 Drawer	600 x 600 x 480 mm	ELCM.615.3.x
4 Drawer	600 x 600 x 630 mm	ELCM.615.4.x

Ordering information: Replace **.x** with the desired decor! **.1** front white, non-conductive **.2** front white, ESD conductive

Equipment container

Equipment container

Suitable for the following rack

heights: 19-inch / 3 / 6 / 9 / 12 U
for all heights

19-inch / 15 U
for heights 1100 / 1300 / 1600 / 1800
mm

19-inch / 21 / 24 U
for height 1300 / 1600 / 1800

mm 19-inch / 30 U
for height 1600 / 1800 mm

19-inch / 35 U
for height 1800 mm

Fig. 1 left:
Mobile appliance (W x D x H): 646 x 758 x 1300
mm Usable area (W x D): 525 x 600 mm
With 19-inch / 24 U equipment container.

Equipment container 19-inch

Top panel 30 mm thick, remaining shelves 19 mm.
Heavy-duty design with 4 profile rails for mounting
slide rails and for attaching 19-inch devices,
removable rear panel, supplied without 19-inch
devices.

Equipment container 19-inch		
suitable for	Size (W x D x H)	Order no.
Appliance / energy mobile		
19-inch / 3 U	525 x 600 x 192	ELCM.516.3.x
19-inch / 6 U	525 x 600 x 326	ELCM.516.6.x
19-inch / 9 U	525 x 600 x 459	ELCM.516.9.x
19-inch / 12 U	525 x 600 x 592	ELCM.516.12.x
19-inch / 15 U	525 x 600 x 726	ELCM.516.15.x
19-inch / 21 U	525 x 600 x 992	ELCM.516.21.x
19-inch / 24 U	525 x 600 x 1126	ELCM.516.24.x
19-inch / 30 U	525 x 600 x 1392	ELCM.516.30.x
19-inch / 35 U	525 x 600 x 1650	ELCM.516.35.x
Order no. Slide rails (1 pair): ELC100.3.015 for mounting 19-inch devices, incl. mounting material		
Order no. optionally with closed front door incl. lock and handle: ELCM.6607.x		
Order no. 1-phase mains connection, incl. 5-way distribution: ELC100.2.020		
Order no. 3-phase mains connection incl. 5-way distribution: ELC100.2.021		

Expand profile 1

Expansion profile 1

- 2 cable chambers
- With brush strip on the back
- Excellent access by simply
  clipping and turning
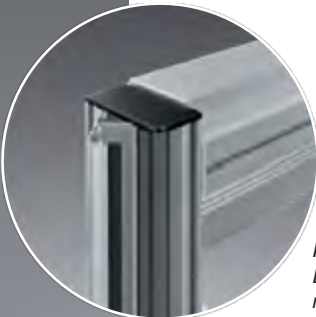
Fig. 2 Detailed view:
Expand profile 1 open,
mobile view from behind.

Fig. 3 left:
Orgamobil (W x D x H): 721 x 758 mm x 1600 mm
Usable area (W x D): 600 x 600 mm
Expanding profile 1 left and right. Can be opened
from the rear by simply turning outwards.

Expanded profile 1

Expanding profile 1 is mounted end-to-end on the L-
profile and can be opened from the rear at any time by
simply turning it outwards.
The Expand profile 1 offers maximum functionality
combined with optimum handling.

Expansion profile 1	
Suitable for mobile height	Order no.
780 mm (NH: 645 mm)	ELC2.5.0645.y
1100 mm (NH: 965 mm)	ELC2.5.0965.y
1300 mm (NH: 1165 mm)	ELC2.5.1165.y
1600 mm (NH: 1465 mm)	ELC2.5.1465.y
1800 mm (NH: 1665 mm)	ELC2.5.1665.y

*Mobile view
from behind!*

Expand profile 2

Figure 1:
Left Orgamobil (W x D x H): 721 x 758 mm x 780 mm with horizontal expandable profile 2 as a table structure.
Right Orgamobil (W x D x H): 721 x 758 mm x 1600 mm with horizontal expandable profile 2 as a cockpit between the foot profiles.

Figure 2:
Left Energy mobile (W x D x H): 821 x 758 mm x 1600 mm, plus 19-inch aluminum cockpit on top.
Right Energy mobile (W x D x H): 821 x 758 mm x 1100 mm. Both mobile units with full-length expansion profile 2 on both sides.

Expansion profile 2
To accommodate the *acto* insert panel system.
Supplied without insert panels.

To order the insert plates, see page 140 or the erfi instruments catalog.

Expanding profile 2 horizontal

The horizontal expansion profile 2 can be used either as a table structure, for example on a drawer container, or as a cockpit between the base profiles.

Expanding profile 2 vertical -
only possible in combination with the energy mobile!

The continuous vertical expansion profile 2 always points outwards and is only intended for the energy mobile.

Expanding profile 2 horizontal as a cockpit between the base profiles			
suitable for	Width	BK*	Order no.
Appliance / energy mobile	525 mm	102 TE	ELC2.10.525.C
Orgamobile	600 mm	116 TE	ELC2.10.600.C
Expand 2 profiles horizontal as table structure			
suitable for	Width	BK*	Order no.
Appliance / energy mobile	525 mm	102 TE	ELC2.10.525.T
Orgamobile	600 mm	116 TE	ELC2.10.600.T

Expand 2 profiles vertical continuous			
suitable for Energiemobil			
Mobile height	Height	BK*	Order no.
780 mm	642 mm	126 TE	ELC2.6.642.y
1100 mm	962 mm	189 TE	ELC2.6.962.y
1300 mm	1162 mm	228 TE	ELC2.6.1162.y
1600 mm	1462 mm	287 TE	ELC2.6.1462.y
1800 mm	1162 mm	327 TE	ELC2.6.1662.y

Ordering information:
Please replace **".y"** with **.L** = left, **.R** = right, or **.LR** = left and right
*BK = assembly capacity in TE (division unit) 1 TE/DU = 5.08 mm/0.2"

19-inch table tops/cockpits

**19-inch table structure /
19-inch aluminum cockpit**

- Intelligent and standard-compliant 19-inch mounting mechanism for 19-inch part racks in accordance with the DIN 41494 Part 5 standard
- Side functional elements with ventilation system
- 2 different installation depths
  Installation depth 1 = 185 mm
  Installation depth 2= 360 mm

Figure 3 left:
Left Orgamobil (W x D x H): 721 x 758 mm x 780 mm with 19-inch table top.
Right Orgamobil (W x D x H): 721 x 758 mm x 1600 mm with 19-inch cockpit on top.

19-inch aluminum table top / cockpit For mounting 3 U devices from *the elneos six*, *elneos five* and *basic* device series.
Supplied without appliances.

Optionally with RGB LED workstation lighting and indication light. See also page 107 and page 108.

Installation depth 1: 185 mm
Installation depth 2: 360 mm

19-inch table top (H 156 mm)				
suitable for	Width	BK*	Installation depth 1 (185 mm)	Installation depth 2 (360 mm)
Appliance / energy mobile	525 mm	97 TE	ELC4.6.5.525.x	ELC4.6.6.525.x
Orgamobile	600 mm	112 TE	ELC4.6.5.600.x	ELC4.6.6.600.x
19-inch cockpit (top-mounted, H 156 mm)				
suitable for	Width	BK*	Installation depth 1 (185 mm)	Installation depth 2 (360 mm)
Appliance mobile	646 mm	121 TE	ELC4.6.1.646.x	ELC4.6.2.646.x
Orgamobile	721 mm	136 TE	ELC4.6.1.721.x	ELC4.6.2.721.x
Energy mobile	821 mm	155 TE	ELC4.6.1.821.x	ELC4.6.2.821.x

Ordering information: Please replace **.x** with the desired color accent for the side functional elements.
.1 = green = RAL DESIGN 1107070, **.2** = gray = RAL DESIGN 5500
*BK = assembly capacity in TE (division unit) 1 TE/DU = 5.08 mm/0.2"

Mounting accessories

Horizontal recording profile

For holding gripping shells, gripping containers and gripping tongues. Scope of delivery: without container. See page 255 for hanging containers.

Horizontal recording profile		
suitable for	Width	Order no.
Appliance / energy mobile	525 mm	ELCM.501
Orgamobile	600 mm	ELCM.601

Support rail for open fronted storage bins

For holding open-fronted storage bins type 1 and type 2. Scope of delivery: without bins. For open-fronted storage bins, see page 256.

Support rail for open fronted storage bins			
		Type 1 5 boxes / page	Type 2 3 boxes / page
suitable for	Width		
Appliance / energy mobile			
Equipped on one side	525 mm	ELCM.503.1.1	ELCM.503.1.2
Equipped on both sides	525 mm	ELCM.503.2.1	ELCM.503.2.2
Orgamobile			
Equipped on one side	600 mm	ELCM.603.1.1	ELCM.603.1.2
Equipped on both sides	600 mm	ELCM.603.2.1	ELCM.603.2.2

Depth-adjustable retaining rail for open-fronted storage bins

For holding open-fronted storage bins type 1 and type 2. Scope of delivery: without bins. For open fronted storage bins, see page 256.

Depth-adjustable retaining rail for open-fronted storage bins			
		Type 1 4 boxes / page	Type 2 3 boxes / page
suitable for	Width		
Appliance / energy mobile	525 mm	ELCM.504.1	-
Orgamobile	600 mm	ELCM.604.1	ELCM.604.2

Perforated sheet walls

For hanging: For 2-row experiment frame, with locking knob. With square perforation 10 x 5 mm or with oval perforation 14 x 5 mm. Size 500 x 672 mm.

Between the base profiles: For mounting between the two aluminum base profiles. With square perforation. Size 502 x 449 mm. For hanging accessories, see page 254.

Perforated sheets		
For hanging in 2-row experiment frame		Perforated plate between the base profiles
Rectangular perforation 10 x 5 mm	Oval perforation 14 x 5 mm	
ELC.Z1.056	ELC.Z2.056	ELCM.0502

Cable reel magazine / cable reel holder

Cable reel magazine: Suitable for reel width 80 mm, Ø 200 mm, can be converted to reel width 80 mm, Ø 150 mm

Cable reel holder: Removable rod Ø 18 mm, suitable for all standard reels

Cable reel magazine / cable reel holder			
		Cable reel magazine	Cable reel holder
suitable for	Width		
Appliance / energy mobile	525 mm	ELCM.506M	ELCM.506
Orgamobile	600 mm	ELCM.606M	ELCM.606

Horizontal holder for socket strips

For inserting socket strips from the side, with two openings for feeding through the mains cables including plug without container. For socket strips, see page 374.

Horizontal holder for socket strips		
suitable for	Width	Order no.
Appliance / energy mobile	525 mm	ELCM.507
Orgamobile	600 mm	ELCM.607

Sheet steel tray

For storing work materials, socket strips and cables etc.

Sheet steel tray		
suitable for	Size W x H	Order no.
Appliance / energy mobile	525 x 160 x 160 mm	ELCM.508
Orgamobile	600 x 160 x 160 mm	ELCM.608

Horizontal / vertical wiring duct

For attachment to the aluminum base profile. Cables can be inserted and removed at any height. Diameter: Ø 30 mm.

Wiring duct, Ø 30 mm		
	Length	Order no.
Horizontally suitable for		
Appliance / energy mobile	525 mm	ELCM.500H
Orgamobile	600 mm	ELCM.600H
Vertical suitable for mobile height		
780 mm	645 mm	ELCM.780V
1100 mm	965 mm	ELCM.1100V
1300 mm	1165 mm	ELCM.1300V
1600 mm	1465 mm	ELCM.1600V
1800 mm	1665 mm	ELCM.1800V

Hose holder / laboratory cord holder

Hose holder: For lateral attachment to the aluminum base profile.

Laboratory cord holder: With 21 support elements, 300 mm long. For lateral attachment to the aluminum base profile.

Hose holder / measuring line holder	
Hose holder	Test lead holder
ELCM.Z4.020	ELCM.Z4.011

Mounting accessories

Caddymobile

Stopper edge
For attaching to shelves and containers.
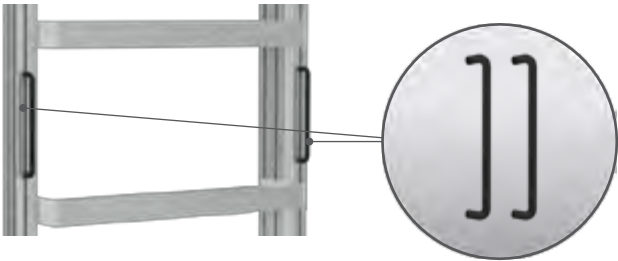
Stopper edge	
suitable for	Order no.
Appliance / energy mobile	ELCM.509
Orgamobile	ELCM.609

Limiting bracket
For attaching to shelves and containers.

Limiting bracket	
suitable for	Order no.
Appliance / energy mobile	ELCM.521
Orgamobile	ELCM.621

Push handles
Vertical: 2 push handles for attachment to the aluminum profile. Standard bow handles, black. Alternatively, ergonomic functional handles in other colors (see page 352, below).

Horizontal: 1 push handle across the entire usable width of the mobile unit. For attachment to shelves and containers.

Push handles		
suitable for	Vertical	Horizontal
Appliance / energy mobile	ELCM.520V	ELCM.520H
Orgamobile	ELCM.620V	ELCM.620H

Experimental frame
Experiment frame for holding DIN A4 experiment plates.

Experimental frame		
suitable for	Size W x H	Order no.
Appliance / energy mobile		
1-row	525 x 385 mm	ELC7.1.500.1
2-row	525 x 720 mm	ELC7.1.500.2
3-row	525 x 1055 mm	ELC7.1.500.3
Orgamobile		
1-row	600 x 385 mm	ELC7.1.600.1
2-row	600 x 720 mm	ELC7.1.600.2
3-row	600 x 1055 mm	ELC7.1.600.3

Caddymobil
- Already preconfigured incl. lockable roller shutter cabinet and tiltable shelf
- Size: 481 x 460 x 1100 mm
  18,94 x 18,11 x 43,31″

Caddymobil
Caddymobil base frame
Size (W x D x H): 481 x 460 x 1100 mm / 18,94 x 18,11 x 43,31″

Consisting of a sturdy welded steel frame with 4 heavy-duty castors. Base plate, 30 mm thick, melamine resin-coated.

Castors: heavy-duty, Ø 100 mm. 2 castors lockable.

Foot profiles: 2 L-profiles made of aluminum, solidly screwed to the steel frame and the side walls of the roller shutter cabinet via 2 brackets each. To hold the shelf.

Including shelf
Size (W x D x H): 430 x 460 x 20 mm

Melamine resin-coated, with stable steel angles for fastening in the grooves of the aluminum profile. Can be tilted 15° forward, including 2 adjustment levers and front stopper edge.

Includes lockable roller shutter cabinet
Dimensions: 430 x 460 x 850 mm (W x D x H)

Includes:
– Adjustable pull-out shelf with stopper edge at the back
– Adjustable shelf with stopper edge at the back
– Fixed shelf as a construction shelf with stopper edge at the rear
– Steel drawer with wooden front, fully organizable, Size (W x D): 327 x 330 mm
– Lockable roller shutter system in silver gray

| Caddymobil incl. shelf and roller shutter cabinet	
Size	Order no.
481 x 460 x 1100 mm 18,94 x 18,11 x 43,31″	ELCM.4411.x

Ordering information: Replace **.x** with the desired decor! **.1** front white, non-conductive **.2** front white, ESD conductive

Figure shows complete test system for commercial kitchen appliances. Includes special equipment.

elneos® 19 –
modern 19-inch cabinet system

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elneos® 19 – modern 19-inch cabinet system

26 HE / 35 HE / 39 HE / 43 HE
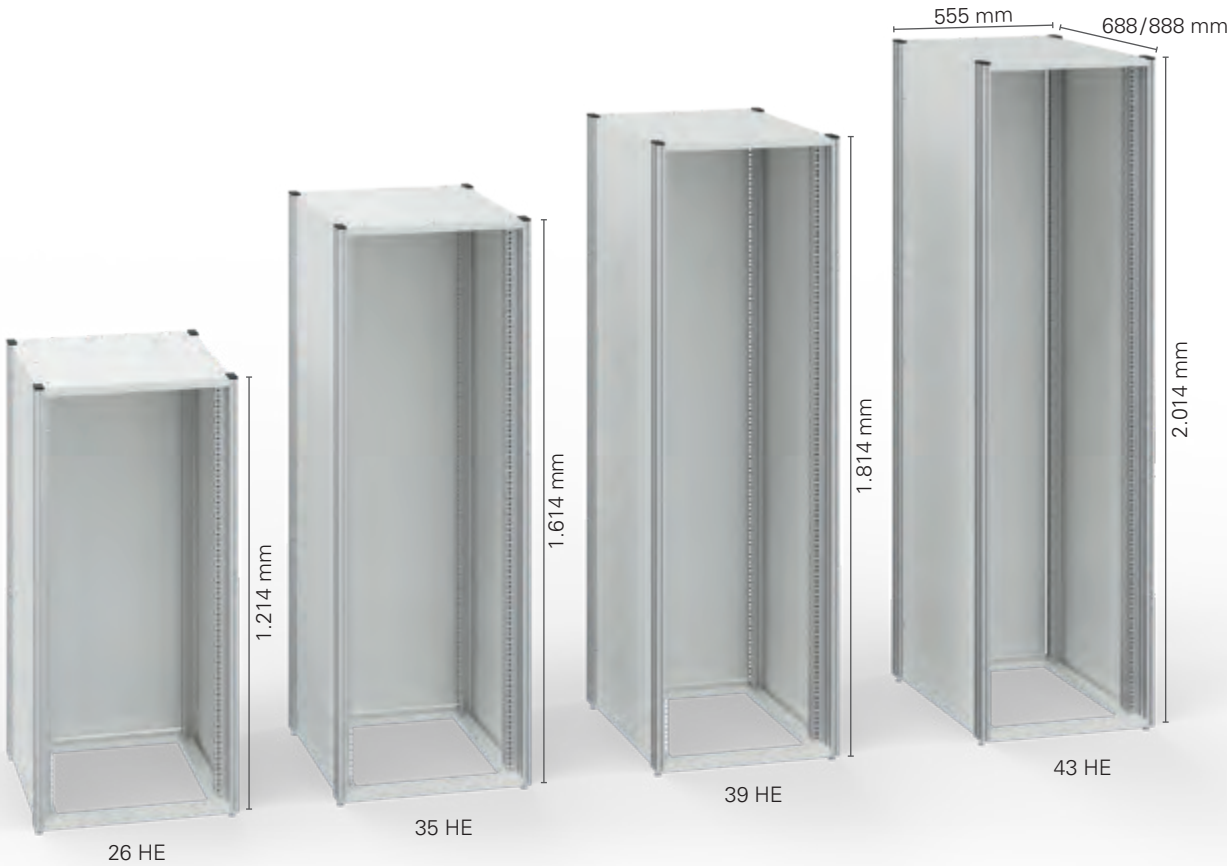
Technical product description:

Design features

- Cabinet in accordance with DIN 41494/ IP protection class 20
- Sturdy welded steel frame at top and bottom
- 4 alu profile feet, securely bolted to the steel frame
- Aluminum profile foot with 6 functional slots for connecting useful system components

- 2 front and rear 19-inch grid profiles each
- 2 side panels made of sheet steel, powder-coated, easily removable
- 1 lockable rear door made of wood
- cover plate made of sheet steel, powder-coated
- Optionally available with ribbed alu base plate
- Stationary version with 4 floor levelers
- Mobile version with 4 heavy-duty casters

19-inch cabinets			
cabinet height	HE units	**Cabinet depth 688 mm** / 27.09″ Working depth 600 mm / 23.62″	**Cabinet depth 888 mm** / 34.96″ Working depth 800 mm / 31.50″
1.214 mm / 47.80″	26 HE	ELC47.1.6812	ELC47.1.8812
1.614 mm / 63.54″	35 HE	ELC47.1.6816	ELC47.1.8816
1.814 mm / 71.42″	39 HE	ELC47.1.6818	ELC47.1.8818
2.014 mm / 79.29″	43 HE	ELC47.1.6820	ELC47.1.8820

Mounting kits

Floor mounting bracket **Order no.:** ELC47.2.111
Wall mounting bracket **Order no.:** ELC47.2.112
Mounting two 19-inch
cabinets **together** **Order no.:** ELC47.2.113

Grounding kit

All metal parts are electrically connected to each other and wired to a central connection, **Order no.:** ELC47.2.114

Accessories

Cover panel 40 mm thick
High-density fine chipboard with textured, glare-free plastic coating, light gray. Replaces the standard cover panel.

Cover plate 40 mm thick	
Cabinet depth 688 mm	Cupboard depth 888 mm
ELC47.2.105.68	ELC47.2.105.88
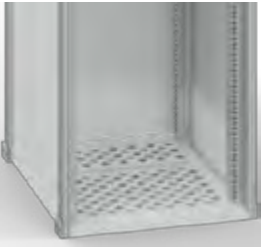
Base plate
2-part, ribbed aluminum base plate, accessible.

Base plate	
Cabinet depth 688 mm	Cupboard depth 888 mm
ELC47.2.102.68	ELC47.2.102.88

Cover plate with integrated fan plate Cover plate made of sheet steel with integrated fan plate including 2 fans and temperature controller. Replaces the standard cover plate.

The fan plate for **enclosure depth 688** mm contains 2 cut-outs for extending from 2 to 4 fans. The fan plate for **an enclosure depth of 888** mm contains 4 cut-outs for extending from 2 to 6 fans.

Technical data for 1 fan:
• Rated operating voltage: 230 V
• Rated power: 19 / 18 W at 50 / 60 Hz
• Air flow rate (free-blowing): 160 / 180 m³/h, 50 / 60 Hz
• Temperature range: - 10 °C to+ 55 °C
Technical data for temperature controller:
• Rated operating voltage: 250 V
• Temperature range:+ 5 °C to+ 55 °C

Fan extension kit for 1 cut-out
Order no.: V 47.2.104

Cover plate with integrated fan plate	
Cabinet depth 688 mm	Cupboard depth 888 mm
ELC47.2.103.68	ELC47.2.103.88

Castor set
4 heavy-duty castors Ø 125 mm, 2 of them lockable. Load capacity approx. 400 kg. This increases the overall height of the wardrobe by 150 mm.

Castor set	
Order no.	ELC47.2.101

Wiring duct
• Mounting in the rear area of the 19-inch enclosure
• Cables can be fed in and out at any height
• Incl. mounting material

Type 2
Ø 30 mm

Type 1
67 x 45 mm

Wiring duct		
Cupboard height	Type 1 ▭	Type ◯
1,214 mm	ELC47.3.103.12	ELC47.3.104.12
1,614 mm	ELC47.3.103.16	ELC47.3.104.16
1,814 mm	ELC47.3.103.18	ELC47.3.104.18
2,014 mm	ELC47.3.103.20	ELC47.3.104.20

Fastening sets

19 inch fixtures and front panels
For attaching a 19-inch installation or a front panel to two 19-inch grid profiles.

Set consisting of:
– 4 M6 cage nuts
– 4 M6 x 12 screws
– 4 plastic washers
Order no.: ELC47.3.102

Cable ties, 20 pieces
Quick fixing of cables to the 19 inch grid profile at the rear or to adhesive plates on the side walls. Made of plastic.
Order no.: ELC47.3.105

Adhesive plates, 20 pieces
• For one-time gluing to the side panels
• For attaching cable ties
• Made of plastic
Order no.: ELC47.3.106

Fastening material for socket strips For mounting a socket strip in the rear area of the 19-inch enclosure
Order no.: ELC47.3.115
For socket strips, see page 374.

Interior cabinet light
For mounting in the 19 inch cabinet.
• 8 W / 230 V, 50 Hz
• Electronic ballast
• Prismatic lamp cover / glare-free light
• Luminaire length 310 mm
• Color white
• Incl. mounting material
Order no.: ELC47.3.112

19-inch keyboard insert 1 U mouse pad and 19-inch keyboard

19 inch keyboard drawer 1 U
• Mounting on 19 inch grid profiles
• Sheet steel
• For 19 inch keyboards with touchpad mouse or trackball, for max. dimensions 417 x 210 x 39 mm
• Closed at the front and lockable
• Incl. mounting material
Order no.: ELC47.4.110

Mousepad, retractable
• Attachment on the right or left of the 19-inch keyboard drawer
• Folds away into the keyboard drawer when not in use
• Sheet steel
• Only in conjunction with 19 inch keyboards max. 39 mm height
Order no.: ELC47.4.111

19 inch keyboard
• For installation in the 19-inch keyboard drawer in conjunction with a touchpad mouse
• German keyboard layout, 105 keys, IP 20
• Film contact technology
• Size 405 x 180 x 38.9 mm
• PS / 2 plug
• Switching force 0.6 N/ 4.0 mm
• Operating temperature 0°C to 50°C
Order no.: ELC47.4.112

Accessories

19 inch system light, 1 U
- Mounting on 19 inch grid profiles
- 11 W, with 1 Schuko socket outlet
- Aluminum housing
- Schuko sockets DIN 49440, 250 V ~, 16 A
- Connection cable 2 m
- Socket outlet arrangement 45°
- Plastic parts anthracite gray, similar to RAL 7016
- Incl. mounting material

19 inch system light, 1 U	
Ballast	
Conventional	**electronic**
ELC47.3.110	ELC47.3.111

19 inch socket strip, 1 U
- Mounting on 19 inch grid profiles
- with 8 Schuko sockets
- Aluminum housing
- Schuko sockets DIN 49440, 250 V ~, 16 A
- Connection cable 2 m
- Socket outlet arrangement 45°
- Plastic parts anthracite gray similar to RAL 7016
- Incl. mounting material

| 19 inch socket strip, 1 U	
Execution	
without switch	**with switch**
ELC47.3.113	ELC47.3.114

Other versions on request.

19 inch shelf, fixed
- Mounting on 19 inch grid profiles
- High density chipboard
- With plastic coating, light gray
- Shelf (W x D):
  450 x 500 mm / cupboard depth 688 mm
  450 x 700 mm/ cabinet depth 888 mm
- Incl. mounting material

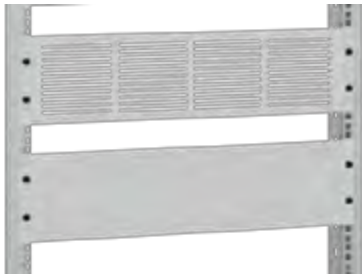| 19 inch shelf, fixed	
Cabinet depth 688 mm	**Cupboard depth 888 mm**
ELC47.4.101.68	ELC47.4.101.88

19 inch shelf, extendable
- Mounting on 19 inch grid profiles
- Full-extension runner with multiple ball bearings
- Load capacity 60 kg
- High density chipboard
- Plastic coating, light gray
- Shelf (W x D):
  450 x 500 mm / cupboard depth 688 mm
  450 x 700 mm/ cupboard depth 888 mm
- Incl. mounting material

19 inch shelf, extendable	
Cabinet depth 688 mm	**Cupboard depth 888 mm**
ELC47.4.102.68	ELC47.4.102.88
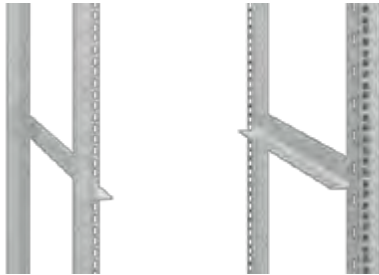
Slide rails, 1 pair
- Mounting on 19 inch grid profiles
- Flexible integration of 19-inch plug-in devices
- Incl. mounting material
- Made of galvanized sheet steel

19 inch front panels (without handles)
- Mounting on front 19-inch grid profiles
- Incl. mounting material

Slide rails, 1 pair		19-inch front panels (basic device system)		
Cabinet depth 688 mm	**Cupboard depth 888 mm**	**Height**	**Empty plates**	**Ventilation panels**
ELC47.3.101.68	ELC47.3.101.88	1 HE	C01.300	C01.305
		2 HE	C02.300	C02.305
		3 HE	C03.300	C03.305
		6 HE	C06.300	-

19 inch drawer, 2 U / 3 U
- Mounting on 19 inch grid profiles
- Sheet steel
- Shelf: 411 x 419 mm
- Closed at the front and lockable
- Incl. mounting material

19 inch drawer, 2 U / 3 U	
2 U drawer	**3 U drawer**
ELC47.4.103	ELC47.4.104

19 inch storage table, 3 U
- Mounting on 19 inch grid profiles
- Sheet steel
- Shelf: 450 x 295 mm
- Incl. mounting material

19 inch storage table, 3 U	
Order no.	ELC47.4.105

General accessories

Monitor mount
according to VESA standard
75 x 75 or 100 x 100 mm

Computer accessories

erfi

Monitor holder, type 1
– Infinitely height-adjustable
– 2-piece
– Simple monitor attachment with quick release
– Including fastening material

Monitor holder, type 1		
Range	loadable up to	Order no.
505 mm / 19.88"	15 kg	ELC100.1.001
700 mm / 27.56"	10 kg	ELC100.1.002
800 mm / 31.50"	10 kg	ELC100.1.003
900 mm / 35.43"	10 kg	ELC100.1.004

Monitor holder, type 2
– Height adjustment up to 240 mm
– Depth adjustment up to 330 mm
– Rotate/swivel 360°, tilt +90°/-30°
– Incl. fastening/mounting material

Monitor holder, type 2		
Mounting type	loadable up to	Order no.
For plugging in, including universal adapter	7 kg	ELC100.1.020
Table-through mounting	7 kg	ELC100.1.021
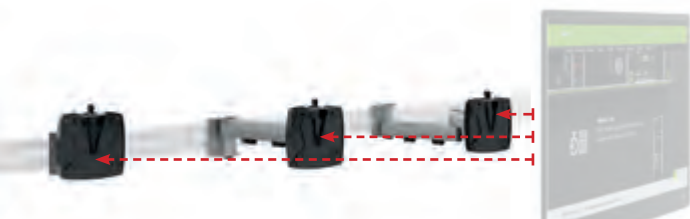
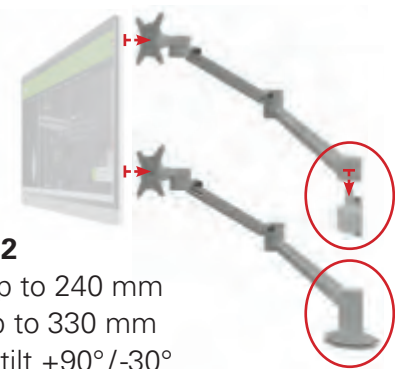### Monitor holder type 3, loadable up to 10 kg for horizontal mounting rail
– Ball head joint / swivel range 60°
– Simple monitor attachment with quick release
– Including fastening material

Monitor holder type 3, loadable up to 10 kg	
Range	Order no.
110 mm / 4.33"	ELC100.1.030
300 mm / 11.81"	ELC100.1.031
445 mm / 17.52"	ELC100.1.032 (2-piece)

Monitor holder type 3, loadable up to 15 kg for horizontal mounting rail
– Can be moved up/down, right/left
– Including mounting material

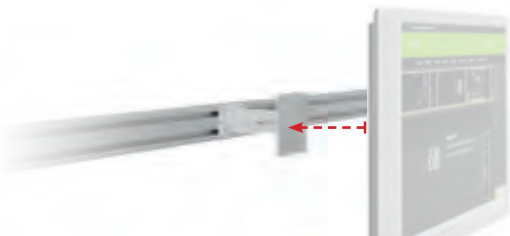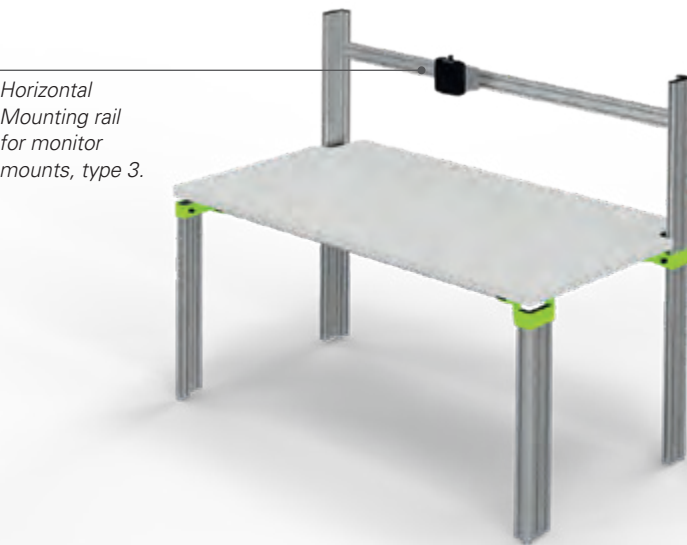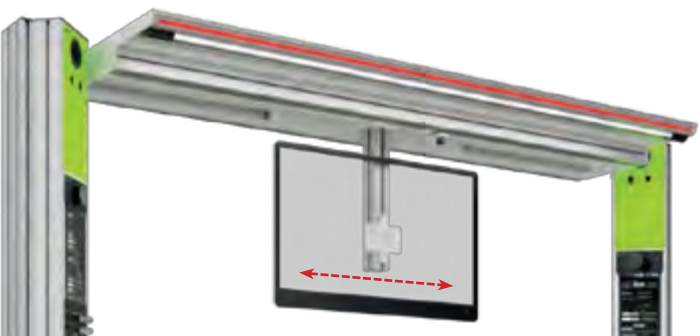| Monitor holder type 3, loadable up to 15 kg	
Range	Order no.
100 mm / 3.94"	ELC100.1.033

Horizontal aluminum mounting rail
– For mounting between two aluminum base profiles
– Infinitely height-adjustable
– For mounting monitor holders type 3

Aluminum mounting rail for monitor holder type 3	
Table width	Order no.
1.200 mm / 47.24"	ELC100.5.012
1.600 mm / 62.99"	ELC100.5.016
1.800 mm / 70.87"	ELC100.5.018
2.000 mm / 78.74"	ELC100.5.020

Horizontal Mounting rail for monitor mounts, type 3.

Monitor holder type 4 movable
– Can be used under intermediate shelves
– At least 450 mm clearance between board / table top
– For flat screens
– Infinitely adjustable in width
– Can be fixed with a knurled screw

Order no.: ELC100.1.040

Notebook holder
– For notebooks up to 10 kg
– Infinitely adjustable in height
– Shelf 400 x 288 mml
– Swivels in both directions
– 45° tiltable
– Reach: 589 mm
– For direct attachment to the aluminum profile, straight version, incl. T-nuts and fastening material

Order no.: ELC100.1.051

Keyboard / mouse tray
– Shelf for keyboard / mouse, 640 x 172 mm
– Load capacity up to 10 kg
– Infinitely adjustable in height
– Swivel range 180°
– Tiltable by 45°
– Reach: 528.5 mm incl. keyboard shelf
– For direct attachment to the aluminum profile, straight version, incl. sliding blocks and fastening material

Order no.: ELC100.1.052

Tablet holder
– For tablets with a size of 7 to 13 inches
– Variable clamping width from 160 to 300 mm
– Depth (thickness) up to 12mm
– Infinitely adjustable in height
– For direct attachment to the aluminum profile, straight version, incl. sliding blocks and fastening material

Order no.: ELC100.1.050

Keyboard drawer
Mounted below the worktop, extendable.
– Max. Weight load: 6 kg
– External dimensions (W x D x H): 585 x 360 x 80 mm
– Internal dimensions (W x D x H): 543 x 360 x 60 mm
– Color: black

Order no.: ELC100.1.060

Electrification

Expansion parts for electrification

Expansion parts for electrification		
Removal part	Execution	Order no.
Mains connection	1-phase, including 5-way distribution	ELC100.2.020
	3-phase, including 5-way distribution	ELC100.2.021
Additional distribution block	1-phase, 5-way	ELC100.2.022
	3-phase, 5-fold	ELC100.2.023
Mains connection cable	1-phase, with Schuko plug	ELC100.2.024
	3-phase, with CEE plug	ELC100.2.025
Connection cable	1-phase to the next table	ELC100.2.026
	3-phase to the next table	ELC100.2.027
Mains transfer plug	1-phase for connection to 5-way distribution	ELC100.2.028
	3-phase for connection to 5-way distribution	ELC100.2.029
Mains transfer socket	1-phase	ELC100.2.030
	3-phase	ELC100.2.031
Cable set for angled connections (PVC trunking installed underneath and cable entry box Ø 70 mm)		ELC100.2.032
Slide rails, 1 pair	for cockpits / table tops and 19-inch racks 360 mm deep	ELC100.3.010
	for cockpits / table superstructures 500 mm deep	ELC100.3.011
	for PC pedestals 620 mm deep	ELC100.3.012
	for PC pedestals 770 mm deep	ELC100.3.013
Fastening set	for 19 inch slide-in units, consisting of 4 screws, spring nuts and washers each	ELC100.3.014

Socket strips

– Housing made of impact-resistant PP,
– Chlorine and halogen-free
– Connection cable 2 m with Schuko angle plug
– Socket outlet arrangement 45°
– Sockets with earthing contact DIN 49440
– 250 V ~, 16 A

| Socket strips				
Number of sockets	Last width	Color	without switch	with switch
3-fold	296 mm	orange, similar to RAL 2004	ELC100.2.010	ELC100.2.011
3-fold	296 mm	anthracite gray, similar to RAL 7016	ELC100.2.012	ELC100.2.013
5-fold	384 mm	anthracite gray, similar to RAL 7016	ELC100.2.014	ELC100.2.015
6-fold	428 mm	anthracite gray, similar to RAL 7016	ELC100.2.016	ELC100.2.017

Horizontal mount for power strips

For mounting between 2 aluminum base profiles, infinitely adjustable in height. Sockets can be inserted from the side. Includes 2 openings for feeding through the power cord.

Horizontal mounting rail for power strips

Aluminum mounting rail for power strips	
table width	Order no.
1.200 mm / 47.24"	ELC100.6.012
1.600 mm / 62.99"	ELC100.6.016
1.800 mm / 70.87"	ELC100.6.018
2.000 mm / 78.74"	ELC100.6.020

Built-in socket outlets Built-in socket outlets can be installed flush in tabletops and table tops to save space.

Port

Back flip open

Back flip closed
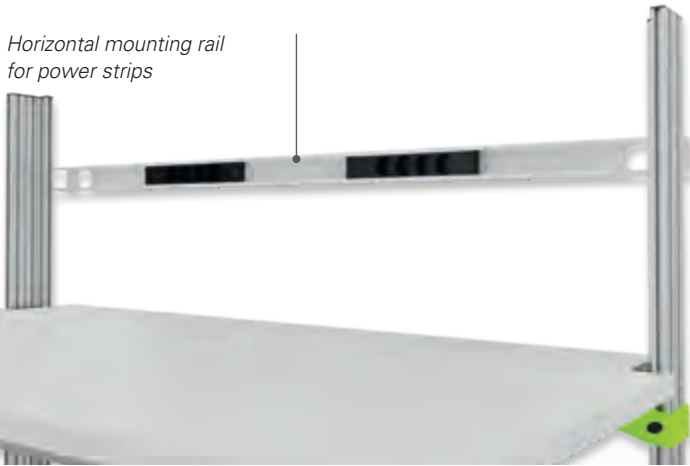
Port: Built-in solution in column form. Simply grab the cover and pull upwards.

Back flip: light pressure on the lid causes the module to rotate 180° upwards.

Port			Back Flip		
Variant	Fitting	Order no.	Variant	Fitting	Order no.
1	3x Schuko	ELC.P1	1	3x Schuko	ELC.BF1
2	2x Schuko, 1x USB	ELC.P2	2	2x Schuko, 1x USB	ELC.BF2
3	2x Schuko, 2x RJ45	ELC.P3	3	2x Schuko, 2x RJ45	ELC.BF3

Flip top

Frame Dock open

Frame Dock closed

Flip Top: Installation solution. When light pressure is applied to the cover, the module rotates upwards by 45°.

Frame Dock: Space-saving recessed into the table / top plate incl. cover to protect against dust.

Flip top			Fram Dock		
Variant	Fitting	Order no.	Variant	Fitting	Order no.
1	4x Schuko	ELC.FT1	1	3x Schuko	ELC.FD1
2	3x Schuko	ELC.FT2	2	2x Schuko, 2x USB	ELC.FD2
3	2x Schuko, 2x USB	ELC.FT3	3	2x Schuko, 2x RJ45	ELC.FD3
4	3x Schuko, 2x USB	ELC.FT4	4	2x Schuko, 1x USB, 1x RJ45	ELC.FD4
5	3x Schuko, 2x RJ45	ELC.FT5	5	2x Schuko, 1x USB double charging socket A + C, 1x HDMI	ELC.FD5
6	2x Schuko, 2x USB, 2x RJ45	ELC.FT6			

Other accessories

erfi

Cable entry boxes
Made of plastic, color light grey, with spring-loaded, rotatable segment in the cover. To pull in cables with plugs, the cover can be removed and then clipped back onto the outer ring.

Diameter Ø 50 mm, cable cut-out 15 x 30 mm **Order no.:** ELC100.2.051

Diameter Ø 70 mm, cable cut-out 20 x 45 mm **Order no.:** ELC100.2.050
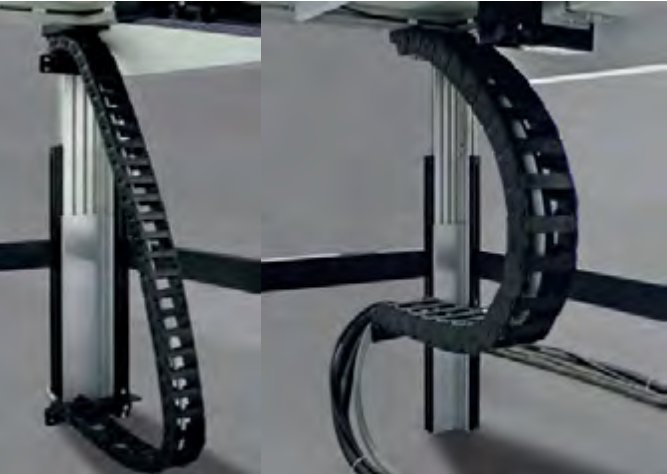
Cable set for angle connections
Consisting of PVC duct installed underneath and 1 cable entry box Ø 70 mm recessed in the table top. Cable cut-out 20 x 45 mm.

Order no.: ELC100.2.032

Cable drag chain:
Flexible cable drag chain for feeding into the table from the floor or ceiling.

Width 50 mm:
Order no.:
ELC100.2.060

Width 120 mm:
Order no:
ELC100.2.061

elneos cable tray, open at the front
Cable tray made of sheet steel. Ideal for accommodating large quantities of cables and power strips. Accessible from the front, open at the sides for optimum wiring. Mounted on the aluminum table frame. Usable height: 160 mm, usable depth: 105 mm, front edge bent down by 40 mm.

elneos Cable tray, open at the front	
table length	Order no.
1.200 mm / 47.24"	ELC100.4.012
1.600 mm / 62.99"	ELC100.4.016
1.800 mm / 70.87"	ELC100.4.018
2.000 mm / 78.74"	ELC100.4.020

elneos Height-adjustable cable tray, open at the front
Cable tray made of sheet steel. Ideal for accommodating large quantities of cables and power strips. Accessible from the front, open at the sides for optimum wiring. Mounted between 2 foot profiles, infinitely height-adjustable. Usable height: 160 mm, usable depth: 105 mm, front edge bent down by 40 mm.

elneos Height-adjustable cable tray, open at the front	
table length	Order no.
1.200 mm / 47.24"	ELC100.4.012.HV
1.600 mm / 62.99"	ELC100.4.016.HV
1.800 mm / 70.87"	ELC100.4.018.HV
2.000 mm / 78.74"	ELC100.4.020.HV

Brush strip
For mounting on the side or rear of the table top. As anti-trap protection between height-adjustable tables. Brush width 40 mm. Ordering information: Please replace **.x** in the order number with **.R** for the right-hand side of the table and **.L** for the left-hand side of the table.

Brush strip		
Execution	Brush strip	Order no.
Table depth (page)	850 mm / 33.46"	ELC100.7.0850.x
	1.000 mm / 39.37"	ELC100.7.1000.x
Table length (trailing edge)	1.200 mm / 47.24"	ELC100.7.1200
	1.600 mm / 62.99"	ELC100.7.1600
	1.800 mm / 70.87"	ELC100.7.1800
	2.000 mm / 78.74"	ELC100.7.2000

Warning light columns
For mounting on cockpits, table structures, and base profiles.

Model 1: LED signal light, Ø: 70 mm. Consisting of a connection element and flexibly selectable signal elements. Signaling: constant light or flashing light.

LED signal light, model 1		
LED signal elements	constant light	flashing light
grün	ELC100.DG	ELC100.BG
rot	ELC100.DR	ELC100.BR
gelb	ELC100.DY	ELC100.BY
klar	ELC100.DK	ELC100.BK
blau	ELC100.DB	ELC100.BB

Spacer / spacer bolt
For connecting 2 height-adjustable tables at a distance of 40 mm (anti-trap protection).
Order no.: ELC100.7.010

Mounting bracket
For firmly anchoring the furniture components to the floor or wall.

Floor mounting order no.: ELC100.7.013

Wall mounting order no.: ELC100.7.014

Connecting tabs **Table top to table top** Connection of the table tops to each other, length: 90 mm. **Order no.:** ELC100.7.015

Series installation Connection of the base profiles to each other, length: 63 mm. **Order no.:** ELC100.7.016
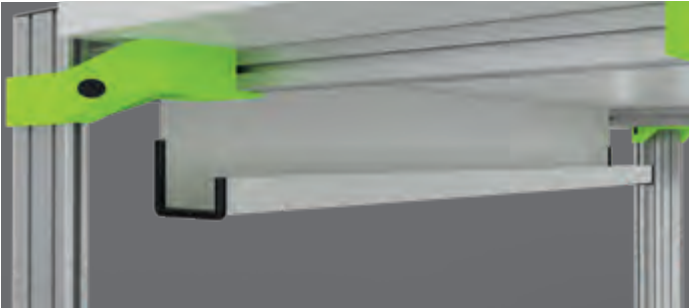
Back-to-back connection of the 40/40 profiles to each other, length: 95 mm. **Order no.:** ELC100.7.017

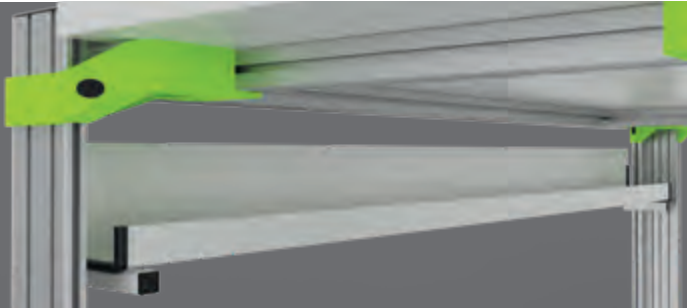Connection of the base profiles to each other, length: 160 m **Order no.:** ELC100.7.018

Warning light columns in sandwich construction
For mounting on Expand profile 2. Segment height 1 cm.

Model 2: 360° visibility. Control of individual segments via proprietary electronic assembly. Freely configurable colors and displays.

LED signal light, model 2	
Number of segments – individually configurable	
1 Segment	ELC100.S1
2 Segmente	ELC100.S2
3 Segmente	ELC100.S3
4 Segmente	ELC100.S4
5 Segmente	ELC100.S5

ESD workstation equipment

ESD workplace equipment The ESD accessories program from erfi leaves nothing to be desired in terms of additions and retrofitting. leaves nothing to be desired. A number of system components are required to equip a modern ESD-compliant workstation. In particular, the standards IEC 61340-5-1 and DIN IEC 47 (Sec) 1330 provides information on the requirements for ESD workplaces and ESD protection zones.

Safety wrist strap With integrated 1 MΩ protective resistor with elastic, adjustable special **wrist strap**. anti-allergic fabric. 4 mm push-button connection for spiral cable.

Order no.: ELC100.2.040

Spiral cable with integrated 1 MΩ protective resistor on both sides with 2x 10 mm press stud, for connecting the work mats to the safety wrist strap.

Order no.: ELC100.2.041

Earthing modules with integrated 1 MΩ protective resistor for top or under-counter use Screw fastening with 2 x push button 10 mm. Earthing module black

Order no.: ELC100.2.044

Yellow earthing module with additional 4 mm socket

Order no.: ELC100.2.046

Spiral cable with integrated 1 MΩ protective resistor with 4 mm push-button and crocodile terminal, for connecting the working mats to the ELC100.2.042 earthing module.

Order no.: ELC100.2.042

Spiral cable with integrated 1 MΩ protective resistor with 4 mm Push button and 10 mm push button for connecting the working mats to the earthing module.

Order no.: ELC100.2.043

Earthing box with integrated 1 MΩ protective resistor. Schuko earthing plug for connection to Schuko socket outlet, 6 x push-button connection 10 mm.

Order no.: ELC100.2.045

Work mats / floor mats

Available in fixed dimensions or by the meter. Conductive work mats have the following properties:

– Two-layer, wear-resistant synthetic rubber flooring
– Solder and heat resistant
– abrasion resistant
– halogen-free

– volume conductive
– Leakage resistance RA according to EN 61340-5-1: 10^6-10^7
– Conductive bonding is not required

Work mat				
Work mat	Dimensions / thickness	Execution	Color	Order no.
Soft PVC work mat	1,000 x 600 x 2 mm	non-conductive	gray	ELC100.8.001
ESD work mat	1,000 x 600 x 2 mm	Conductive, with rounded corners, assembled with 2 press studs 10 mm and 1 discharge cable, smooth (1 m)	platinum gray	ELC100.8.002
ESD floor mat	2,000 x 1,200 x 2.5 mm	Conductive, assembled with 2 press studs 10 mm and 1 discharge cable	platinum gray	ELC100.8.004

Cut-to-size and yard goods on request!

Permanent ESD monitoring The ESD monitors for 1 or 2 users permanently monitor the correct earthing. If a connection is unintentionally disconnected (the wrist strap is taken off or the earthing cable of the table mat is torn off), an audible and visual operator alarm is triggered. When leaving the work area, the operator can remove his wrist strap "park" at a special connection point so as not to trigger an alarm.

For 1 user:
Multi-mount monitor Mounted underneath the table top. The monitor permanently monitors the correct earthing of a wrist strap and an ESD work surface.

Order no.: ELC.EM.1U

For 2 users:
Dual permanent monitoring system DK 4 / DK 10 Mounted underneath the tabletop, optionally on the left, right or in the middle. Additional visual status display, which can be mounted on the table top or on the table structure. The visual status display is optionally available integrated in a front panel, see page 157. The monitor permanently monitors the correct earthing of two operators and an ESD work surface (optionally with 2 DK 4 or 2 DK 10 connections).

Order no.: ELC.EM.2U

Slotted nuts

Overview of profile grooves

T-slot nuts

Type	Type 1	Type 2	Type 3	Type 4
Groove	8	8	6	6
Thread	M8 / M6	M5	M4 / M5 / M6	M6 - left-hand thread!
Order no.	ELC54.2.110	ELC54.2.120	ELC54.1.110	ELC54.1.130
Notes		for boards, cockpits, frames, etc.		

Sliding blocks for subsequent insertion into the groove

Type	Type 6				
Groove	8	6	8	8	8
Thread	M5 / M6 / M8	M4	M5	M6	M8
Order no.	ELC54.2.130	ELC54.1.120	ELC54.2.140	ELC54.2.150	ELC54.2.160
Notes		for holding all system components, such as universal adapters, mounting accessories, etc.			

Profile height adjustment

L-profile (foot profiles)

Expansion profile 1 (hinged)

Expansion profile 2

40/40 profile

Top functional profile

60/23 profile (horizontal recording profile)

Toplight functional profile

6 = 6-groove
8 = 8-groove

erfi

Chairs
comfortable sitting

Industrial/labor swivel chairs

Industrial swivel chair 1
- Black aluminum base
- Seat / back shell gray ESD version black
- Weight regulation
- Seat depth adjustment
- Seat tilt adjustment
- Backrest height adjustment
- Seat height 450-620 mm
- Flexband in 4 colors selectable

Industrial swivel chair 2
- Black steel base
- Synchronous technology
- Automatic weight regulation with fine adjustment
- Seat depth adjustment
- Seat tilt adjustment
- Backrest height adjustment
- Seat height 450-600 mm
- Handles available in 4 colors ESD version black

Option
4D armrest
Order no.: ELH4.104D.1
Order no. in ESD: ELH4.104D.2

Select upholstered element

	Fabric	Art leather	Integral Foam	Super-tec
gray:	S3	K3	I3	T3
blue:	S2	K2	I2	T2
black:	S1	K1	I1	T1

Order note
Please replace **.x** with the desired **upholstery element** (see table on the right).

Note ESD version
When ordering, please note that not all upholstered elements are ESD-compatible. Only the upholstered elements marked with the ESD symbol can be selected for this purpose. Seat / back shell black.

Select option
4D armrest
Order no.: ELH4.204D.1
Order no. in ESD: ELH4.204D.2

Order note
Please replace **.x** with the desired **upholstery element** (see table on the right).

Note ESD version
Black handle color.

Select upholstered element

	Fabric	Art leather	Integral Foam	Super-tec
black:	S1	K1	I1	T1

Industrial swivel chair 1				
Color Flexband	**Permanent contact backrest**		**Synchronous technology**	
	not ESD	ESD	not ESD	ESD
gray	ELH4.1011.x	ELH4.1012.x	ELH4.1051.x	ELH4.1052.x
green	ELH4.1021.x	ELH4.1022.x	ELH4.1061.x	ELH4.1062.x
blue	ELH4.1031.x	ELH4.1032.x	ELH4.1071.x	ELH4.1072.x
orange	ELH4.1041.x	ELH4.1042.x	ELH4.1081.x	ELH4.1082.x

Industrial swivel chair 2		
Handle color	**not ESD**	**ESD**
gray	ELH4.2011.x	-
green	ELH4.2021.x	-
blue	ELH4.2031.x	-
orange	ELH4.2041.x	-
black	-	ELH4.2052.x

Industrial/labor swivel chairs

Industrial swivel chair 3

- Laboratory chair air purity class 3
- Seat height 450-650 mm
- Black plastic star base
  ESD version polished aluminum
- Seat shell available in 5 colors
  ESD version in black

Task swivel chair 4

- Steel base
- Black frame
- Backrest height adjustment

Option

4D armrest
Order no.: ELH4.304D.1
Order no. in ESD: ELH4.304D.2

Order note
Please replace **.x** with the desired
upholstery element (see table on the
right).

Select upholstery element

Fabric	Art leather	integral foam	Super tec
S1	K1	I1	T1

black:

Option

4D armrest
Order no.: ELH4.404D.1
Order no. in ESD: ELH4.404D.2

Ring armrest
Order no.: ELH4.40RA.1
Order no. ESD: ELH4.40RA.2

Order note
Please replace **.x** with the desired
upholstery element (see table on the right).

Select upholstery element

	red	gray	blue	black
Fabric	S4	S3	S2	S1
Imitation leather:	K4	K3	K2	K1

Hinwis ESD version
Black seat shell, polished aluminum base.

Note ESD version
When ordering, please note that not all upholstered elements are ESD-compatible. Only the upholstered elements with the ESD symbol can be selected for this purpose.

Industrial swivel chair 3		
Seat shell	**not ESD**	**ESD**
anthracite	ELH4.3011.x	-
green	ELH4.3021.x	-
blue	ELH4.3031.x	-
orange	ELH4.3041.x	-
white	ELH4.3051.x	-
black	-	ELH4.3062.x

Task swivel chair 4					
Permanent contact backrest (height: 430 mm), seat height: 470 - 610 mm		**Permanent contact backrest (height 530 mm) with seat tilt adjustment, seat height 470 - 610 mm**		**Synchronous technology with weight adjustment (backrest H: 530 mm), Seat height: 490 - 630 mm**	
not ESD	**ESD**	**not ESD**	**ESD**	**not ESD**	**ESD**
ELH4.4011.x	ELH4.4012.x	ELH4.4031.x	ELH4.4032.x	ELH4.4051.x	ELH4.4052.x
ELH4.4021.x	ELH4.4022.x	ELH4.4041.x	ELH4.4042.x	ELH4.4061.x	ELH4.4062.x

Swivel chairs/swivel stools

Office and desk chairs

Fig. similar

Fig. similar

Industrial swivel chair 5

- Black plastic star base
- Permanent contact backrest
- Backrest height adjustment
- Seat height 440-620 mm

Select upholstery element

	Fabric	Imitation leather-	Integral Foam
blue	S2	K2	
black	S1	K1	I1

Order note

Please replace **.x** with the desired **upholstery element** (see above).

Swivel stool

- Black steel base
- Glider
- Beech stitch wood natural
- Ring release function

Office chair 1

- Black plastic star base
- Back: Mesh anthracite
- Seat: Manhattan fabric, black, breathable
- Accentuated seam color red
- Flextech synchronous mechanism
- Lockable backrest, 4-stage
- Lumbar support, height-adjustable
- Seat height adjustment
- Seat depth adjustment
- 2D-T armrest Variable height/width
- Universal double castors (for all floors)

Office chair 2

- Black plastic star base
- Back: Mesh anthracite
- Seat: Manhattan fabric, black, breathable
- Accentuated seam color red
- Smart-Spring: Automatic adjustment of the user's weight and movement, Backrest opening angle up to 38°, lateral material flexibility up to 22°
- Smart-Seat: lateral movement range up to 26°, front up to 12°
- Lockable backrest
- Seat height adjustment
- T-armrest (fixed)
- Universal double castors (for all floors)

Industrial swivel chair 5			
Natural beech stitched wood		with upholstered element	
with glider	with castors	with glider	with castors
ELH4.5011.B1	ELH4.5021.B1	ELH4.5031.x	ELH4.5041.x

Swivel stool
ELH4.5031

Office chair 1
ELH4.0001

Office chair 2
ELH4.0002

Office and desk chairs

Conference chairs

Fig. similar

Fig. similar

Fig. similar

Fig. similar

Office chair 3

- White plastic star base
- Back upholstered fabric Era black, breathable
- Side color accent fabric grey
- Smart-Spring: Automatic adjustment of the user's weight and movement, Backrest opening angle up to 38°, lateral material flexibility up to 22°
- Smart-Seat: lateral movement range up to 26°, front up to 12°
- Lockable backrest
- Seat height adjustment
- T-armrest (fixed)
- Universal double castors (for all floors)

Office chair 4

- Black aluminum base
- Back upholstered fabric Era black, breathable
- Perforated genuine leather (semi-aniline leather) black
- Smart-Spring: Automatic adjustment of the user's weight and movement, Backrest opening angle up to 38°, lateral material flexibility up to 22°
- Smart-Seat: lateral movement range up to 26°, front up to 12°
- Lockable backrest
- Seat height adjustment
- T-armrest (fixed)
- Universal double castors (for all floors)

Conference chair 1

- 4-legged steel frame, round tube, chrome-plated
- Seat and backrest upholstered with hard-wearing black synthetic fiber cover fabric
- Backrest with black plastic cover
- Straight back
- Stackable
- Seat (W x D): 450 x 460 mm
- Chair dimensions (W x H x D): 500 x 830 x 440 mm

Conference chair 2

- 4-legged steel frame, round tube, powder-coated, color: aluminum silver
- Rigid armrest
- Seat and backrest upholstered with hard-wearing anthracite-colored synthetic fibre upholstery fabric
- Backrest with black plastic cover
- Straight back
- Stackable
- Seat (W x D): 450 x 460 mm
- Chair dimensions (W x H x D): 590 x 830 x 440 mm

Office chair 3	Office chair 4
ELH4.0003	ELH4.0004

Conference chair 1	Conference chair 2
ELH4.0005	ELH4.0006

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Subject to technical and formal changes.
The catalog contains illustrations that may include optional extras.

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ELC-24-11-EN

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