



BELO

**Your imagination is our inspiration
– this is our business –**

BELO products are exclusively designed for conservation



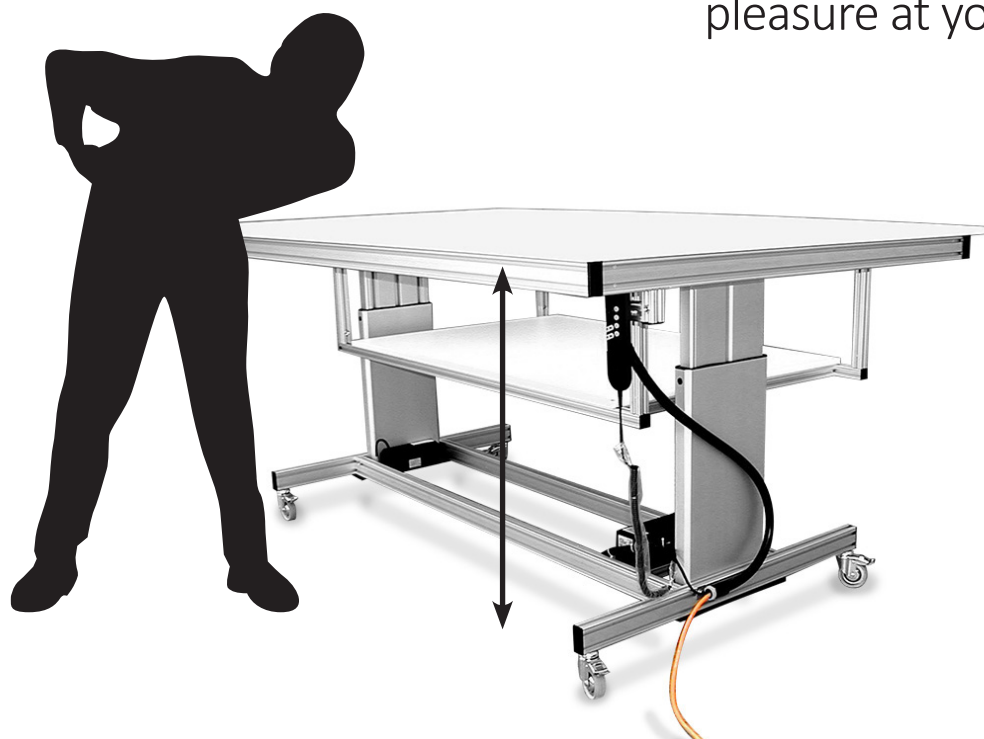
As a restorer myself I know the sequences and the working environment of our customers.

*Karl-Friedrich
Bergmeier*

BELO stands for an uncompromising realization of ergonomics and vitality in every day work.

Our company's primary objective is to provide tailor made devices in all local conditions.

We develop solutions that are one of a kind and state of the art to increase your motivation and pleasure at your work.



electro mechanic height adjustment for precise lifting and lowering of heavy loadings.

A broad guiding profile ensures an optimum of stability. Height can be adjusted continuously via synchronous control.

Three working heights can be memorized and recalled if required.



**Improve your experiences
at one of our certification
seminars for conservation of
paper, paintings or textiles.**

Learn about treatment options
and limitations.

Take advantage of the knowhow
of experienced restorers.

Enrich your knowledge about
new products, materials and
techniques.



**Get +1 year of guarantee
free** for all our products
by visiting one of our
certification seminars.

Please contact us directly:
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We always find the best
way to offer a seminar for
groups or a private lesson.

See an abstract view of our top-selling equipment presented on three studio setups. Let's start with the first example:

Conservation of Paintings

The **BELD** low pressure heating table with a patented heating system has been especially developed for the conservation of paintings.

All common procedures such as flattening, relaxation, impregnation and fixation can be done using this table.

Due to the completely flat design of the work surface it is possible to work in sections on very large paintings. The electronic temperature control and the infinitely

variable electronic control of low pressure are located in a separate housing. Surface of the table element: 3000 x 2000 mm Weight: 160 kg Power consumption heating element: 6 KW

Infinitely variable 20-70°C Temperature display digitale actual value display

Rotation speed of the motor can be continuously adjusted from shutdown to maximum output by

means of a potentiometer. The low pressure desired can be adjusted exactly. The mains plug of the low pressure generator can be plugged in the corresponding socket on the rear side of the control unit.

Width: 350 mm, height: 700mm, depth: 300 mm

- surface anodized, silver
- 4-6 lockable casters
- height custom built

Our 30+ years of experience with low pressure tables

has shown that the correct and limited use of warmth or heat is an important factor in the treatment of paintings on canvas. To achieve successful results, it is essential to assure a very tentative but steady, evenly distributed heating and to apply a precisely controlled and dosed heat to the object.

BELD low pressure tables are equipped with a heating element especially designed and developed for the restoration of paintings. Our heating element is patented.



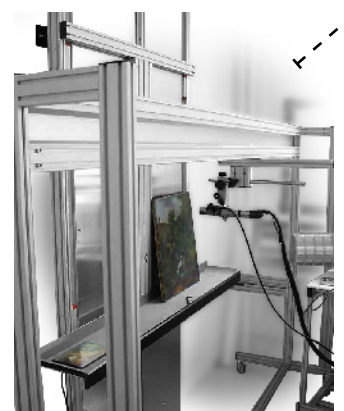
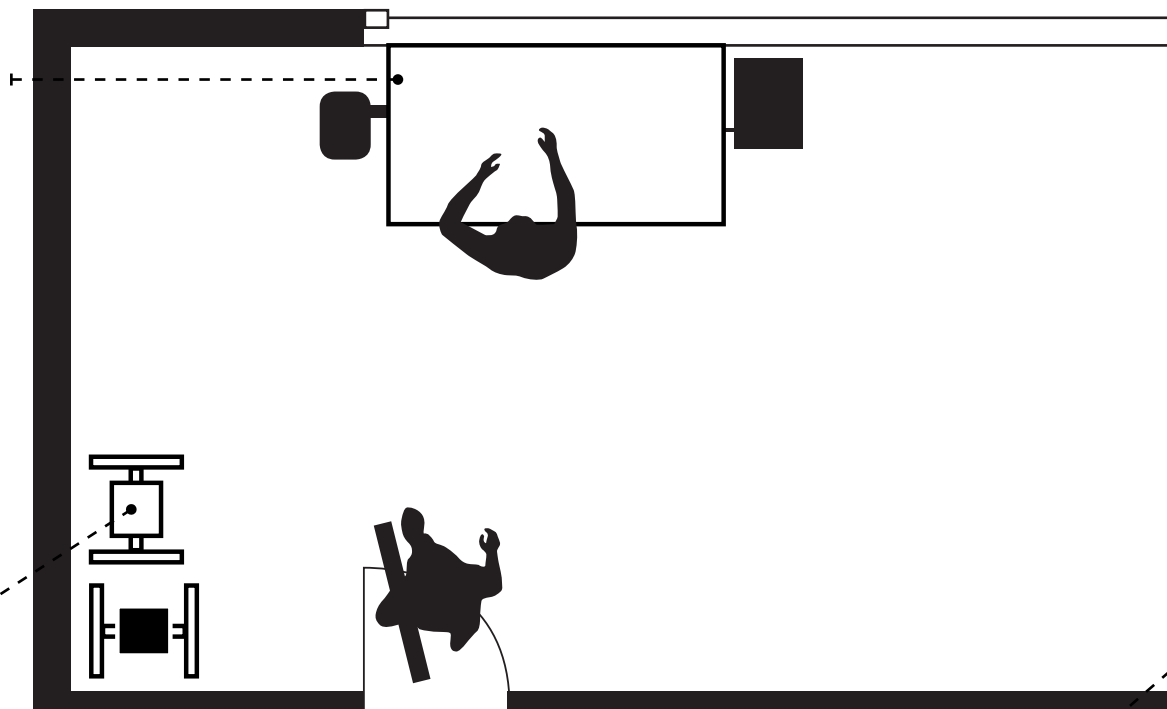
The **BELD** partial low pressure table has been developed especially for the conservation and treatment of paintings – no detaching from frames needed!

Local and partial treatment without affecting the whole

surface of the object will no longer stay on your wish list!

BELD partial low pressure heating table complete workplace.

Size and height of the workplace is fully customized.



Easels are produced in different versions; individual sizes are also possible – without limitation.

Type 150 is suitable for large-sized and heavy objects, whilst type 100 is suitable for smaller ones.

We also build wall-mounted

easels for photographs and infra-red pictures which are vertically and horizontally movable.

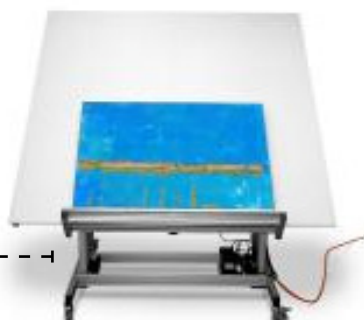
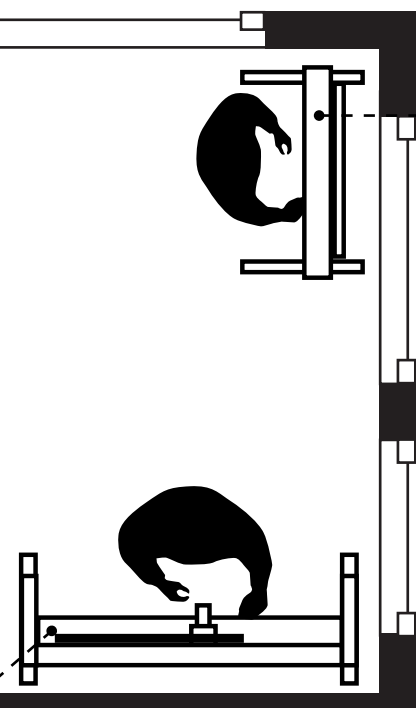
A combination of work table and easel is feasible in case of limited working space or with sensitive objects which must be placed vertical for documentation or retouching.



Self-standing device for X-ray photographs which must be assembled.

The vertical movement of X-ray camera and the plate which is positioned behind the object is done synchronously via an electro mechanic control. The horizontal movement is done manually on rails.

Measurements and formats are customized.



Microscope work table
Sturdy, vibration free construction made of aluminium-system-profile.
work top: plastic bond plate
Overhead rail to install a microscope:

- Overhead rail can easily be moved from left to

right and front to back
- Slide for moving left/right with the possibility to place a light source.
- Mains supply cable integrated in overhead rail
- Position of the microscope can be adjusted so that 3-dimensional objects can also be examined.

Work top: approx. 1850 x 1300 mm
Height of overhead rail: 500mm
Customized sizes available without limitation.



Conservation of Papers



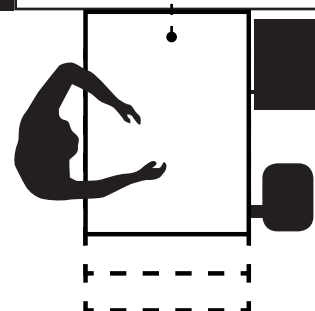
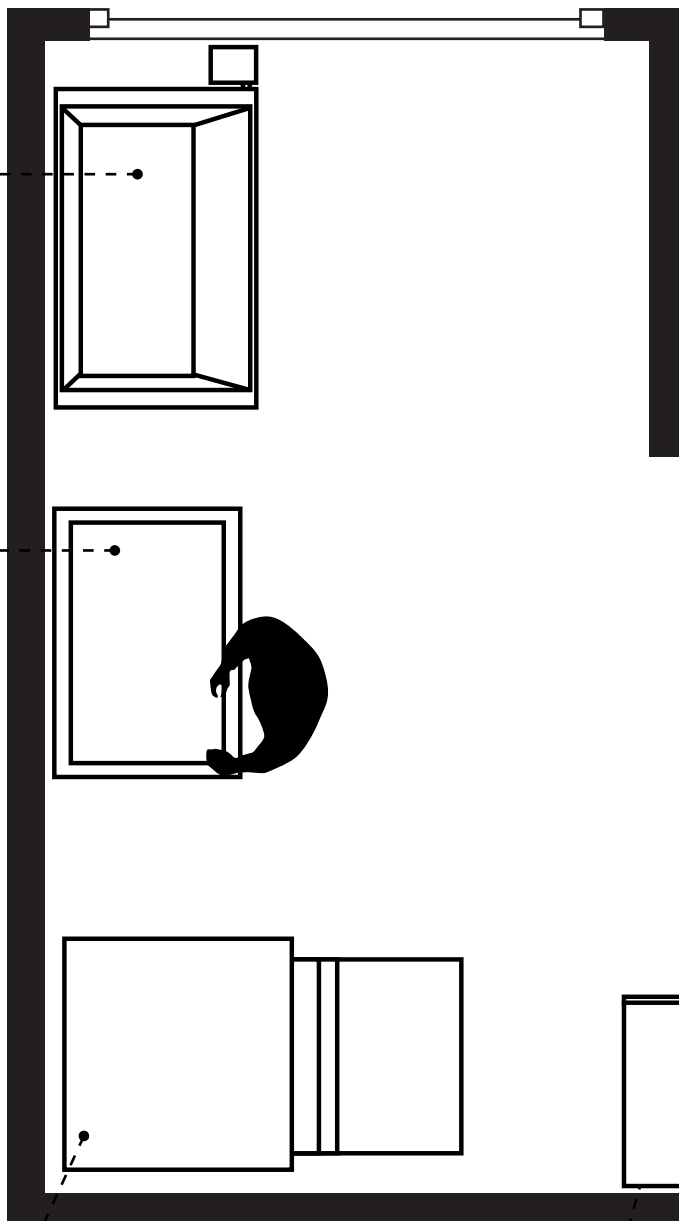
If you like customized leaf casting devices – please contact us.



Wash trays are customized. There are different varieties:

- made of different materials (plastic / stainless steel)
- with/without down grade
- drainage by means of row of holes at one side
- electro mechanic inclination/ height adjustment

Drainage is equipped with a ball valve.
Base of aluminium profile system with lockable casters.
An ordinary working plate can also be applied to the base.



Customized drying rack in different sizes. Mobile and with locking casters.

Screen frame / Bays variable:

- In different sizes
- With various fabrics
- Frame made of aluminum or stainless steel
- From different profiles (flat, rectangular)
- Distances between the slots freely adjustable.



The **BELD** conditioning chamber is destined for indirect long term moistening of any-sized paper objects, parchment or leather.

With 4 lockable casters the conditioning chamber can be moved easily.

Max. humidity of approx. 90%. picture: Conditioning chamber with 4 trays. Measurements and number or trays are customized.

Standard versions:
Measurements of trays:
Small conditioning chamber: 110 x 90 cm
Big conditioning chamber: 180 x 150 cm

The **BELD** low-pressure table with integrated basin has been designed for the conservation of paper.

All ordinary treatments such as cleaning, flattening, leaf casting and relining can



be done with this table. The perforated plate extends to the outer margin of the table so that it is possible to treat oversized objects in sections. The stainless steel surface can be modified with a special PE sinter plate if necessary (accessory which can be obtained at any time), which provides

good results at pulping of paper (even structure).

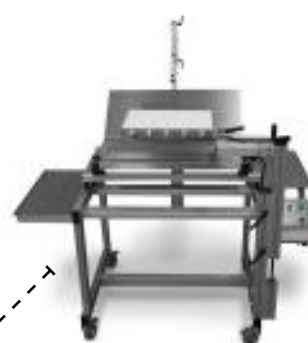
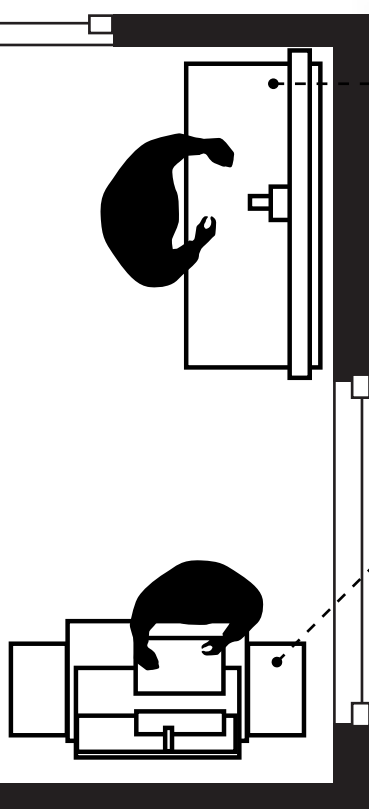
Outer dimensions
1800 x 1200 mm
Inner dimensions
1800 x 1200 mm

Possible accessories:
- acrylic dome, optionally with arm holes

- ultrasonic humidifier, optionally with electronic control
- air filter
- electro mechanic height adjustment
- PE sinter plate
- low-pressure generator with active charcoal filter.



Microscope work table
(see description at painting)



Control unit with speed-controlled rotation adjustment and additional sockets. Plastic housing with lid, spray water resistant.

Speed control
A potentiometer allows an infinitely variable regulation of the speed of the motor. Thus the exact, desired pressure can be applied.

The mains plug of the low pressure generator can be plugged directly into the back of the control unit. The socket has its own illuminated switch.

Mains supply: 240 V / 50Hz / max. 15 A.
In addition, there are two sockets (240 V) for other uses.
mains cable with plug (5m)

A leaf holder made of acrylic glass prevents the other pages from closing and serves as protection.

An adjustable swivel arm enables the wedge to be positioned as needed. The **BELD** book wedge can be moved and inclined. Height adjustment is by means of a crank. Adjustment is simple. Stainless steel tool rests are on the right and the left of the base. The sturdy construction allows the user to rest his arm while working.

The work space has its own rest for tools and materials. The housing with the control unit for the speed control of the low pressure generator and additional sockets is mounted on the side of the construction.

possibility to treat individual pages of a book without having to open the binding. The low-pressure table designed in form of a wedge can simply be sandwiched into the bound object for the treatment of individual pages.

The rest surface for the book is inclined (adjustable), so that the actual page to be treated lies horizontal on the work surface of the low-pressure table. A support reduces the opening angle of the object and lessens the pressure on the spine of the book.



The **BELD** book suction device has been developed especially for the conservation of books and other bound objects. The most important advantage of the **BELD** book wedge is the

The **BELD** book suction device is constructed of stainless steel (No. 1.4501) Perforated plate with perforations of 1.5 mm in diameter. Working surface 360 x 270 mm base 1400 x 900 mm weight approx. 50 kg.

Conservation of Textiles

Wash trays are custom built.
There are different varieties:
- made of different materials
(plastic / stainless steel)



- with/without down-grade
- drainage by means of row of holes at one side
- electro mechanic inclination/ height adjustment

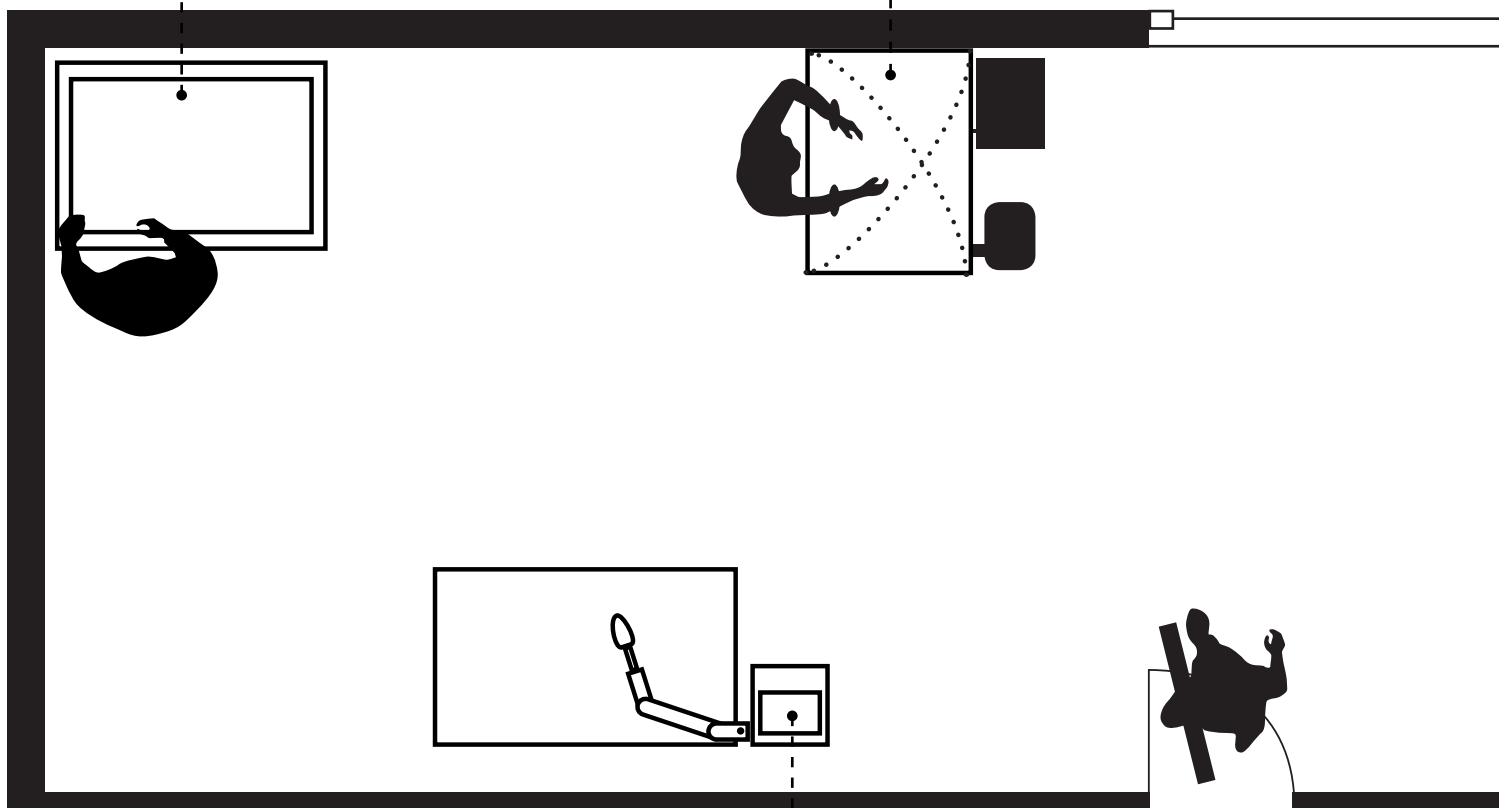
Drainage is equipped with a ball valve.
Base of aluminium profile system with lockable casters.
A normal working plate can also be applied to the base.



The **BELD** low-pressure table with integrated basin has been designed for the conservation of paper.



All ordinary treatments such as cleaning, flattening, leaf casting and relining can be done using this table. The perforated plate extends to the outer margin of the table so that it is possible to treat oversized objects in



Measurements: 7 x 5 cm
With rounded edges
and 4 extensions 10, 20, 40 und 50 cm made of stainless steel V2A

Stand with height adjustment for fastening on existing work table. Arm swivelling by 2 flexible joints
Extendable arm up to 1,2 m
Illumination for perforated plate of stainless steel for better localization of the pressure table can be mounted.



Working area shaped like an iron, underside rounded.

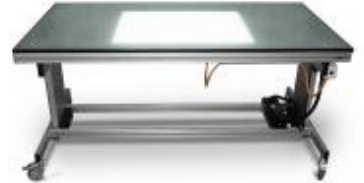
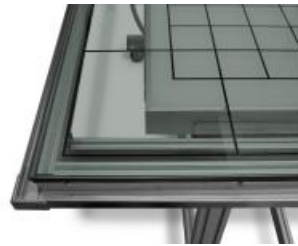
Working surface: 18 x 12 cm.
With a free-moving arm with two movable joints for 3-dimensional objects.
Can be mounted on a worktop. The height is adjustable.

All **BELD** devices show our rejoice in developing tailor-made solutions for you.

sections. The stainless steel surface can be modified with a special PE sinter plate if necessary (accessory which can be obtained at any time), which provides good results at pulping of paper (even structure). Dimensions: Outer dimensions 1800 x 1200 mm Inner dimensions 1800 x 1200 cm

Possible accessories:

- acrylic dome, optionally with arm holes
- ultrasonic humidifier, optionally with electronic control
- air filter
- electro mechanic height adjustment
- PE sinter plate
- low-pressure generator with active charcoal filter.



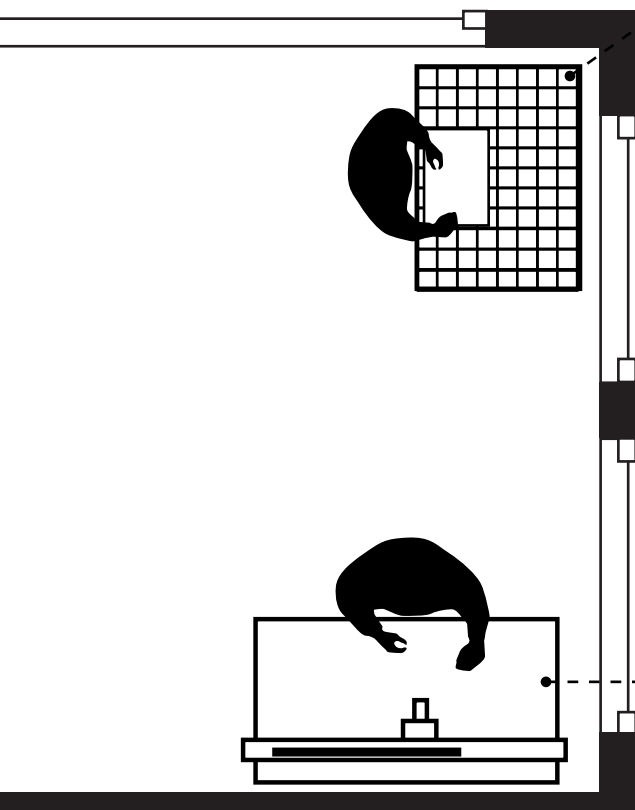
All glass tables are customized. Base of aluminium profile system with lockable casters. There are different possibilities for LED illumination.

- Movable separate illumination device on casters in case of extremely big tables.
- Integrated illumination device movable on linear slides.

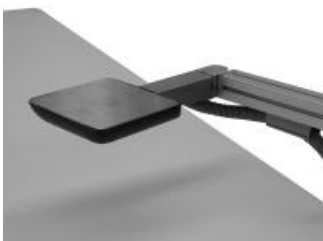
The tables can be equipped with a circular drain channel made of stainless steel as well as an electro mechanic height adjustment.

The following glass varieties are possible:

- clear glass
- satinized glass
- frosted glass
- glass with imprinted raster according to your requirements



Microscope work table
(see description at painting)



Work table 20 x 20 cm with a free-moving arm and two movable joints for 3-dimensional objects. Can be mounted on the worktop. Constructed according to customer's specifications.



The **BELD** partial low-pressure table has an extremely thin steel worktop with a plate edge of 90mm. It is possible to treat mounted objects in situ, with help of a stand even in vertical position. The 3,5m m thin plate edge often allows treatments between frame and canvas of mounted objects.

Due to the sandwich construction of the **BELD** partial low-pressure table a high stability and rigidity is achieved with extremely flat construction at once.

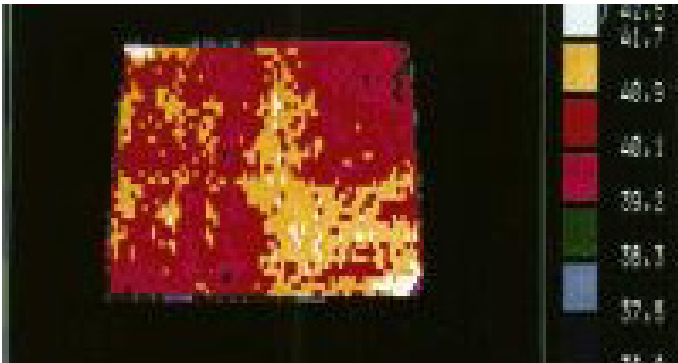
Possible accessories:

- Scissors lift
- Stand
- Worktable (integrated)
- Low-pressure generator

«We understand your requirements, your specifications,

Our business started with a patent for a heating element.

Our focus is on little things that add up daily.

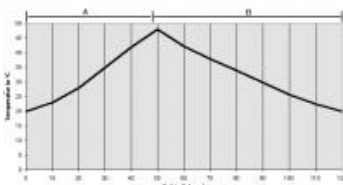


Based on our experience with conventional heating systems and their characteristics while using it with low-pressure tables – we developed a completely new system.

Decades of experience with low pressure tables have shown that the correct and limited use of heat is an important factor for the treatment of paintings on canvas. Thus it is important to assure a very steady and evenly distributed warming up and to apply precisely controlled and dosed heat to the object to achieve successful results.

BELO low-pressure tables are equipped with a heating element – especially developed for the restoration of paintings.

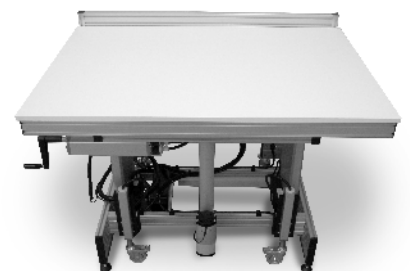
Overheating and excessive subjection to heat is avoided due to the fast response of the system. The temperature/ time diagram shows the short times needed for the system to heat up 30°C or cool-down 30°C.



Reduce the noises: due to a special silencer housing the side channel blower works extremely quiet (55 dba), this means the low-pressure generator can be placed in the studio.



For your health and ergonomics: Height adjustment for precise lifting and lowering of heavy loadings. At the electro mechanical version three working heights can be memorized and recalled on demand.

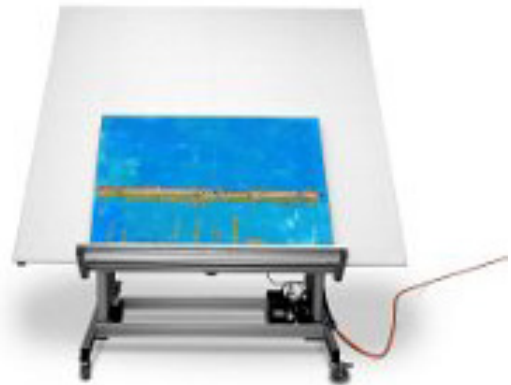


and build it to your dreams!»

We upgrade your workplace with single components – even if this is not a **BELO** product.



We have a wide range of experience with oversized devices.



Get your individual solution:

- if you have an existing low pressure table and you need an acrylic dome,
 - or you need any upgrading profiles for an optimum of stability and control,
- please contact us directly:

✉ info@belo-restauro.de

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BELO we guarantee

Every single client is the most important to us.

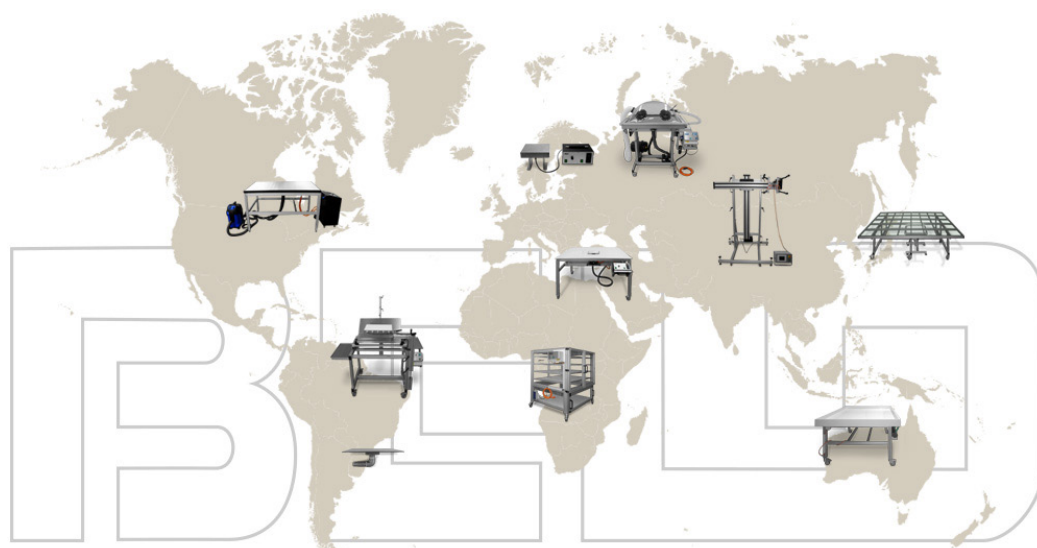
You will experience this in any phase: requirement analysis, realization, handover and first instruction, after delivery. We will not stop until you are satisfied with the product.



A place for development – the open place for new ideas.



More than 30 years contact with experts in the field of conservation led to a wide range of products for the treatment of paper, paintings and textiles.



BELD

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