

LEGRAPRESS / ZMM.4700

EN – Instruction leaflet



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Safety

Using the installation instructions

- Please read the instruction leaflet and the safety information before operating the LEGRAPRESS.
- We recommend that you use the orientation diagram for easier identification of the parts being described.

The protective grille is not shown to make the instruction leaflet easier to understand.

Safety principle

Principle

The LEGRAPRESS complies with current safety standards. Nevertheless, there are certain risk factors if the information in this instruction leaflet is not followed.

Residual risk according to DIN ISO EN 12100

- The LEGRAPRESS is equipped with all required safety measures such as a two-hand control, for example.
- Residual risks remain with the operator, especially the removal of protective equipment and the failure of control elements.
- Warning signs and safety information indicate other residual risks. That is why it is necessary to follow the safety information.

Intended use

The LEGRAPRESS is designed to be used exclusively for the assembly of the Blum LEGRABOX. The LEGRAPRESS may only be used under the following conditions:


- The LEGRAPRESS may only be operated by fully-trained personnel.
- The LEGRAPRESS is designed for industrial use.
- It should only be installed in dry, enclosed rooms.


Areas of responsibility

The owner

- must ensure that only fully-trained personnel, who have read and understood the instruction leaflet, especially the chapter on safety, operate and service the LEGRAPRESS.
- is responsible for the safety-related condition of the LEGRAPRESS.
- will take the LEGRAPRESS out of service immediately when faults are discovered that affect safety.

Risk levels

	WARNING
<ul style="list-style-type: none"> ■ WARNING indicates a danger that could lead to death or serious injury if not heeded. 	

	CAUTION
<ul style="list-style-type: none"> ■ CAUTION indicates a danger that could lead to injury if not heeded. 	

i	NOTE
<ul style="list-style-type: none"> ■ The NOTE sign indicates information that should be followed. 	

Safety information

- The LEGRAPRESS is designed to only be operated by **one** person.
- Before operating, the functionality of the safety equipment and machine parts should be checked.
 - Any damaged parts should be replaced by original parts from Blum.

- Do not make any changes or alterations to the LEGRAPRESS.
- Do not operate the LEGRAPRESS using a different cover, different safety equipment or with the protective grille removed.
- For your own safety, use only those accessory parts which are recommended or indicated in the instruction leaflet or Blum sales catalogue.
- The regulated air pressure must be a min. of 7 bar.
- Machine parts may be under pressure even when the LEGRAPRESS is not in operation.
- Disconnect the LEGRAPRESS from the compressed air supply and power supply before removing the covers or panelling.
- The failure to follow listed information and warnings regarding the LEGRAPRESS can lead to serious injuries.
- The instruction leaflet should be accessible at all times.

Warning signs



Before connecting the LEGRAPRESS to the compressed air and power supply, you must ensure that you understand ALL safety information, warning signs and the instruction leaflet.



Keep unauthorised persons away from the LEGRAPRESS.

Only one person at a time should operate the LEGRAPRESS.



Always wear eye and face protection when operating this machine



Wear proper ear protection when operating this machine.



Caution crush danger!



The LEGRAPRESS should be lifted at these points.
See page 10.

Position of warning signs

**Structural changes and spare parts**

Structural changes and spare parts not approved by the manufacturer affect the safety and functionality of the LEGRAPRESS and are, therefore, not allowed.

- Only use original spare parts from Julius Blum GmbH.
- Contact a Blum sales agency or go to www.blum.com

Disposal

- All national regulations and disposal guidelines must be followed.

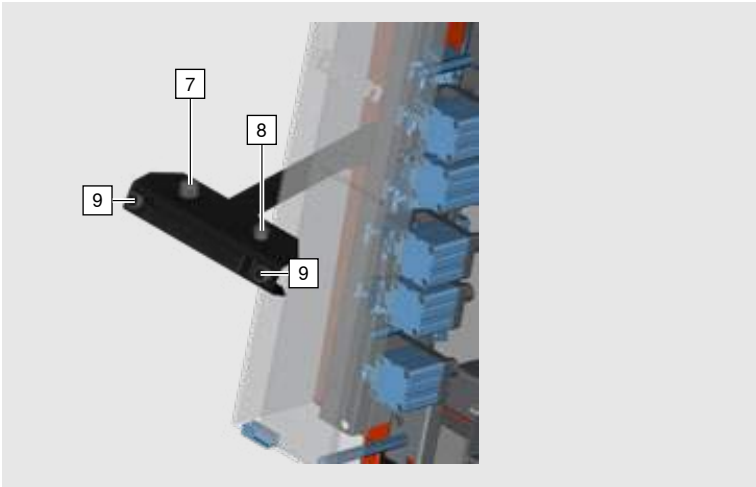
Orientation diagram

The protective grille is not shown to make the instruction leaflet easier to understand.



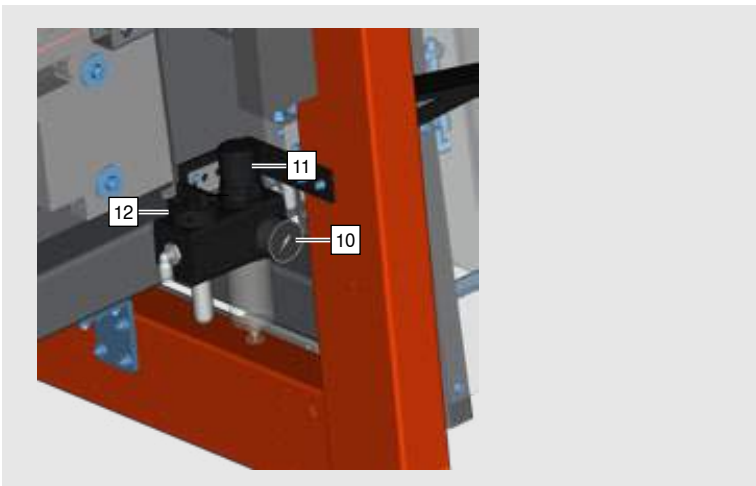
- | | |
|---|--|
| 1 Lift pin | 4 Lock for variable widths (optional, not in the scope of delivery) |
| 2 Mounting foot | 5 Press unit left |
| 3 Lock | 6 Press unit right |
| A Two-hand control | |
| B Maintenance unit/Compressed air supply | |
| G Danger zone | |

[A] Two-hand control



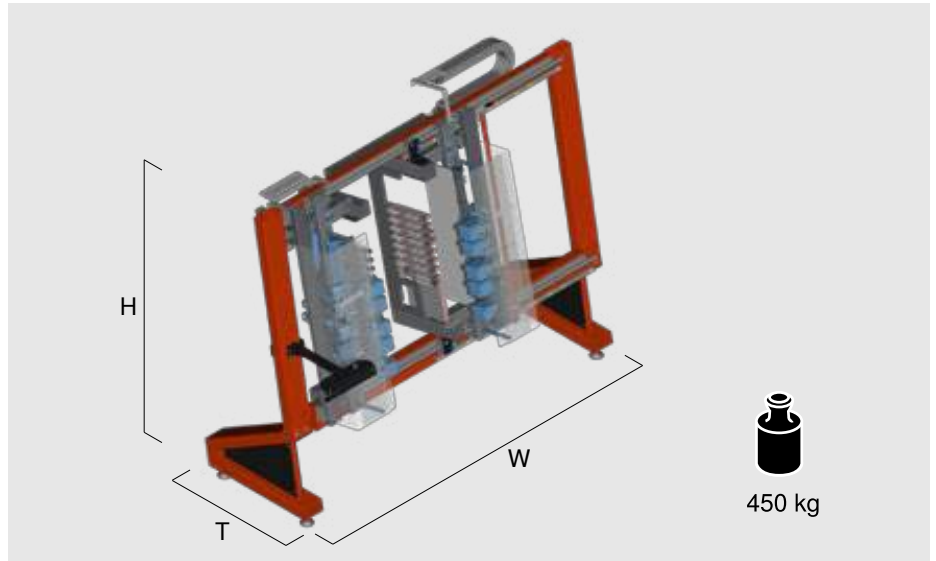
- 7 Nominal length selector switch
- 8 Set-up mode/Normal operation mode selector switch
- 9 Two-hand control

[B] Maintenance unit/Compressed air supply



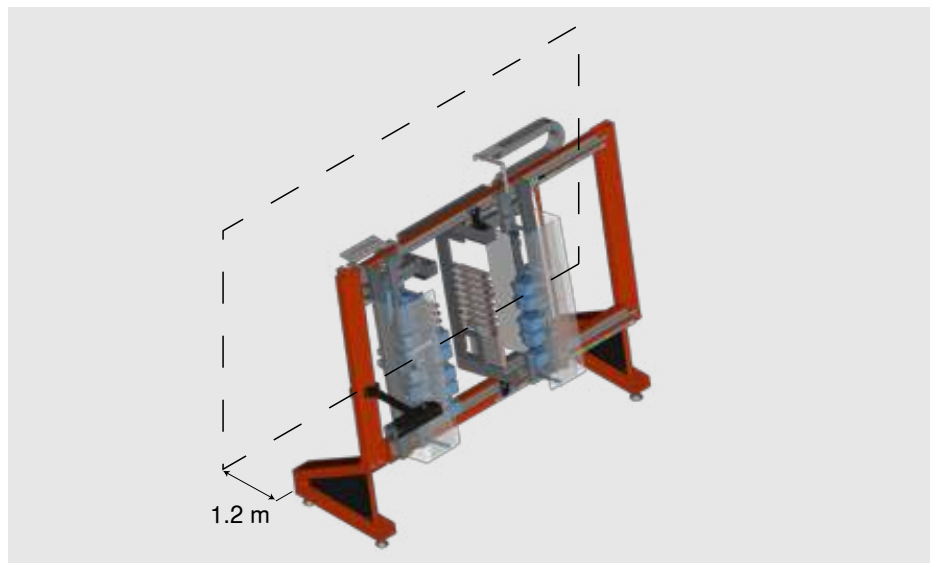
- 10 Pressure gauge
- 11 pressure regulator
- 12 Lock valve

Lifting Dimensions



Height (H): _____ 2000 mm
 Width (B): _____ 2350 mm
 Depth (D): _____ 1270 mm
 Weight: _____ 450 kg

Space requirement



- Should only be used in dry, enclosed rooms.
- The LEGRAPRESS should be installed with its back to a wall.
- Distance to wall 1.2 meters.

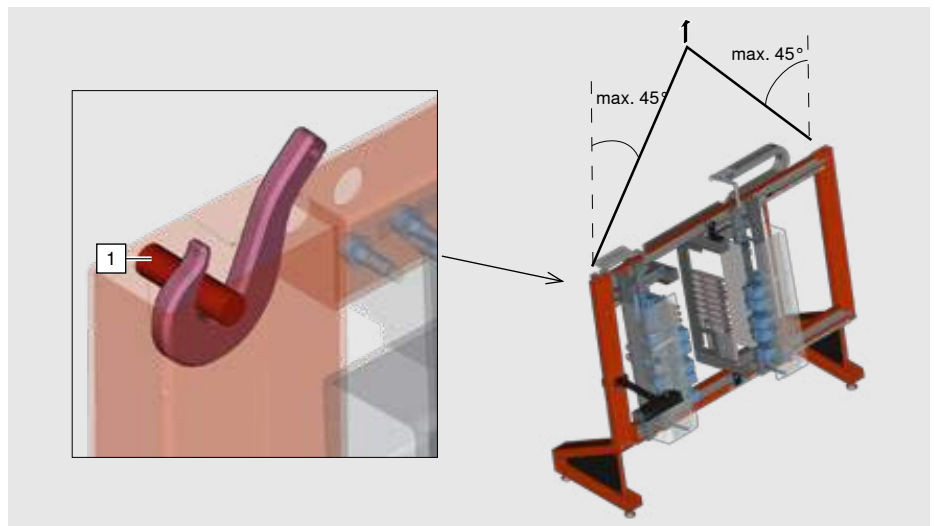
Lifting the LEGRAPRESS

**WARNING**

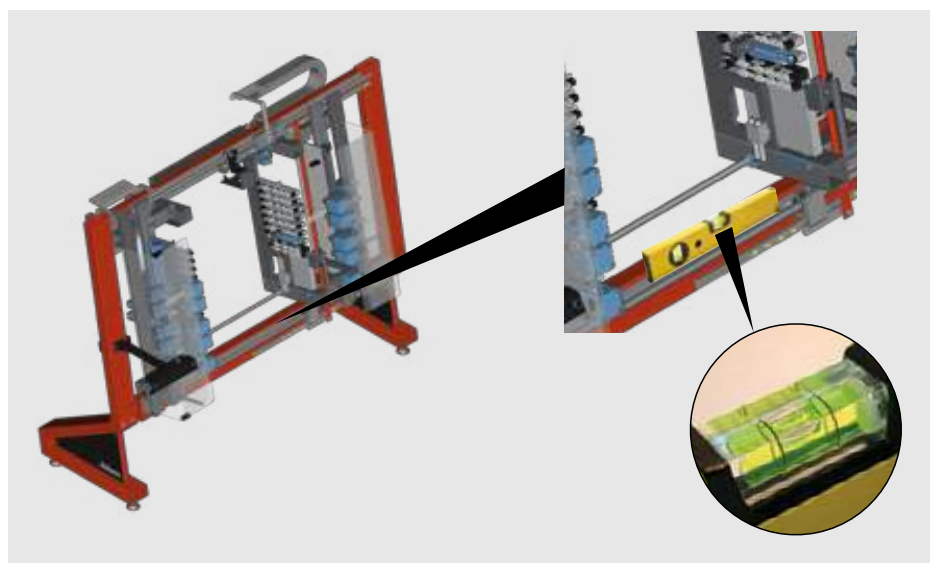
The LEGRAPRESS weighs 450 kg.

Failure to follow this information may lead to serious personal injury or property damage.

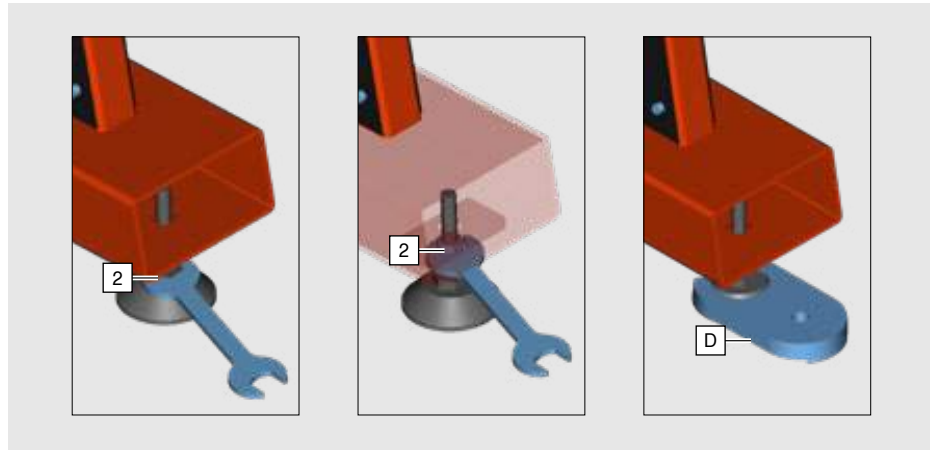
- The LEGRAPRESS may only be lifted by the load-bearing pins [1].
- Only certified lifting equipment may be used (sling chains, load chains, hooks).
- Arrange the lifting points for double-line lifting symmetrically on both sides and over the centre of gravity of the load.
- Max. angle 45°.



- Place the LEGRAPRESS on an even and secure subsurface (concrete base).



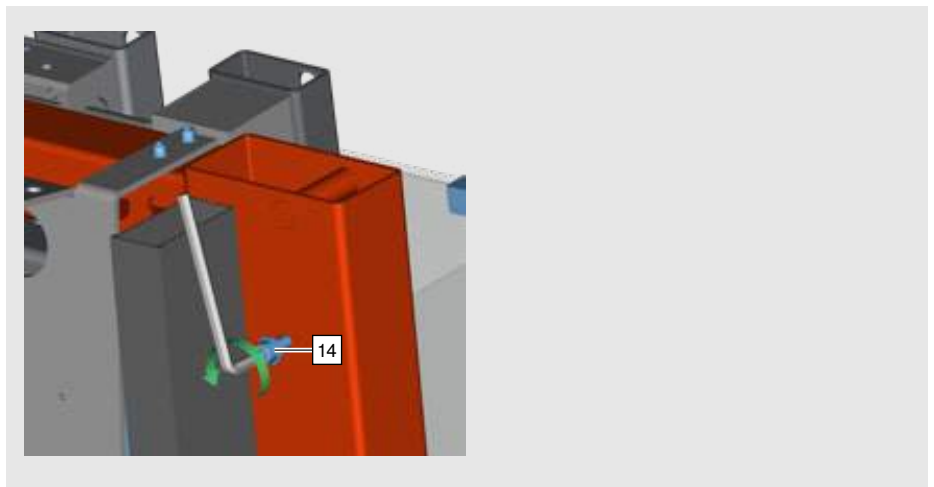
- Align the LEGRAPRESS horizontally using a spirit level



- Set the mounting foot [2] so that the LEGRABOX sits level and cannot tip over.

Installing the protective grille

- Loosen screws [14] - approx. 5 turns

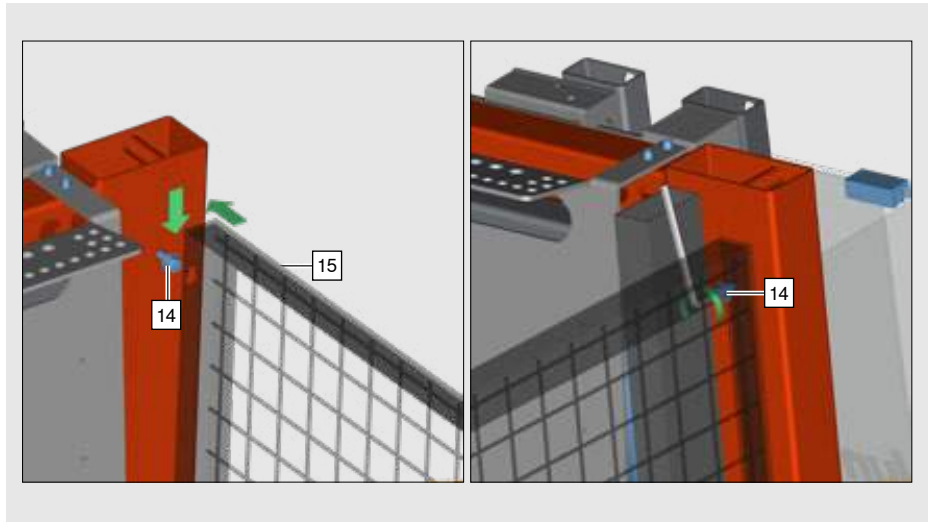


WARNING

The protective grille [15] weighs 34 kg.

Failure to follow this information may lead to personal injury.

- Two people are required to lift and insert the protective grille [15].



- Once the protective grille [15] has been inserted, tighten the screws [14]

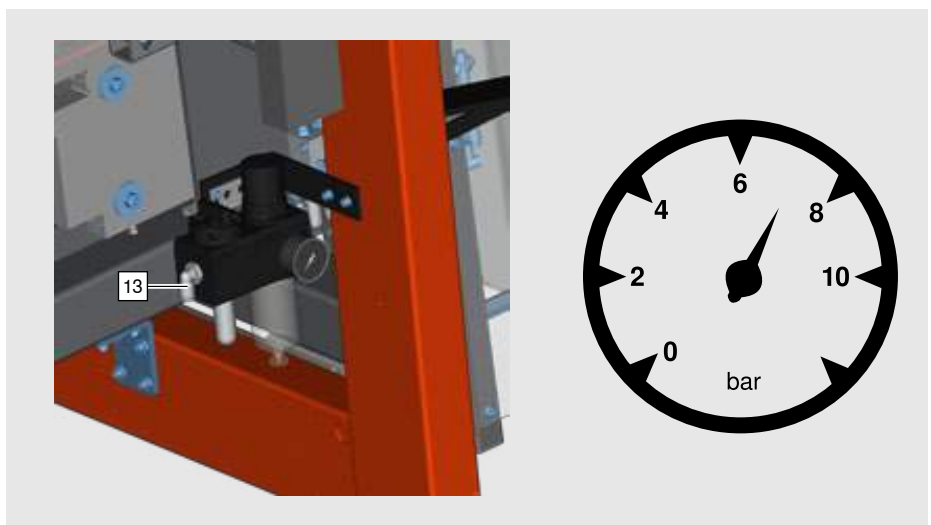
**WARNING**

The LEGRAPRESS may not be operated without a protective grille.

Connection to compressed air system**CAUTION**

When connecting to the pressurised air network, machine parts can move.

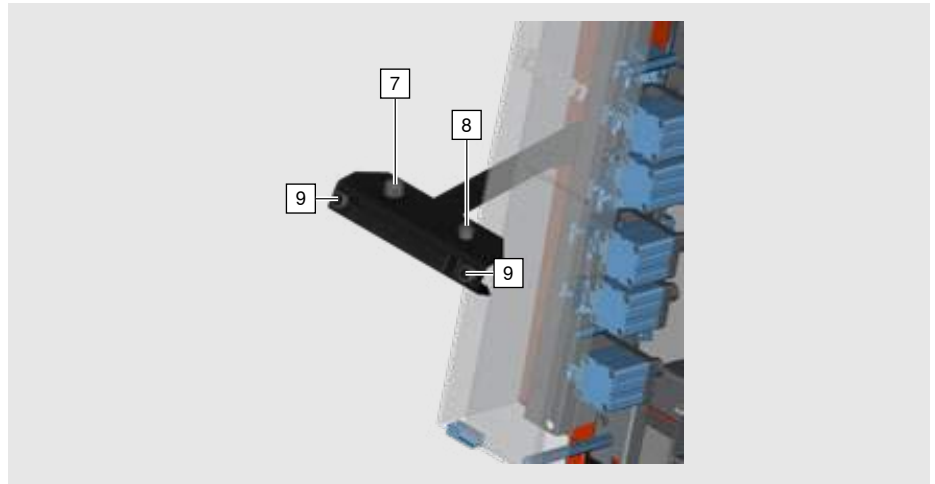
- Connect the compressed air line to the maintenance unit [13].

**NOTE**

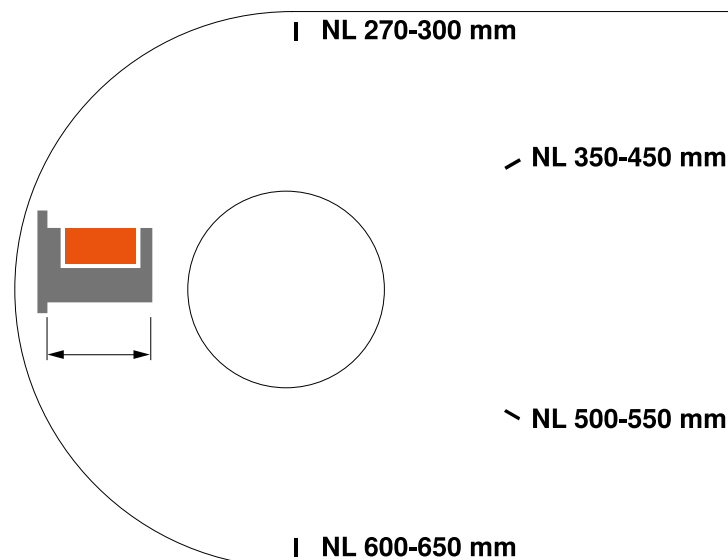
The system pressure must be at least 7 bar.

Operating elements

[B] Operator panel Two-hand control



7 Nominal length mode switch

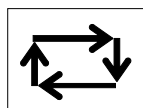


The nominal length to be used is set via the mode switch.

8 Normal operation / Set-up mode switch



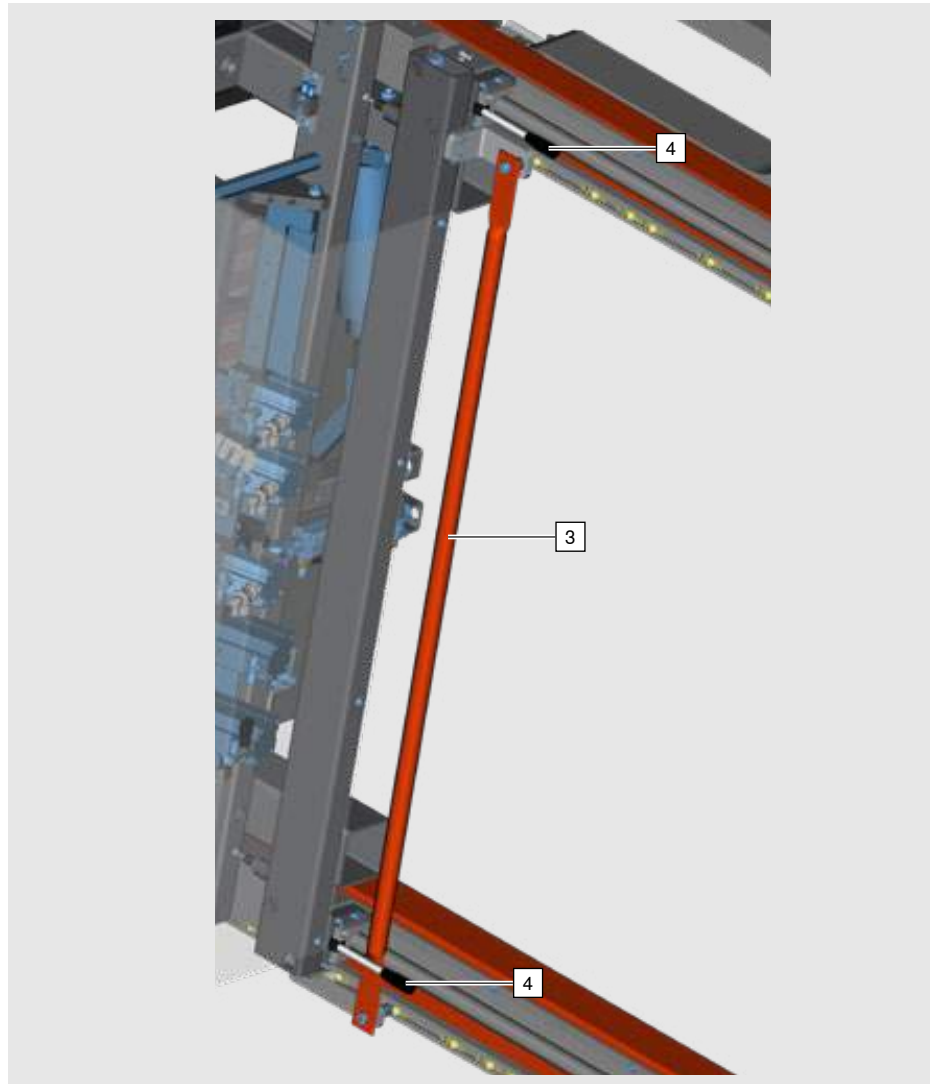
Set-up mode:
Press unit moves together,
No press-in possible,
Tip operation



Normal operation
Press unit moves together,
No press-in possible,

9 Two-hand control

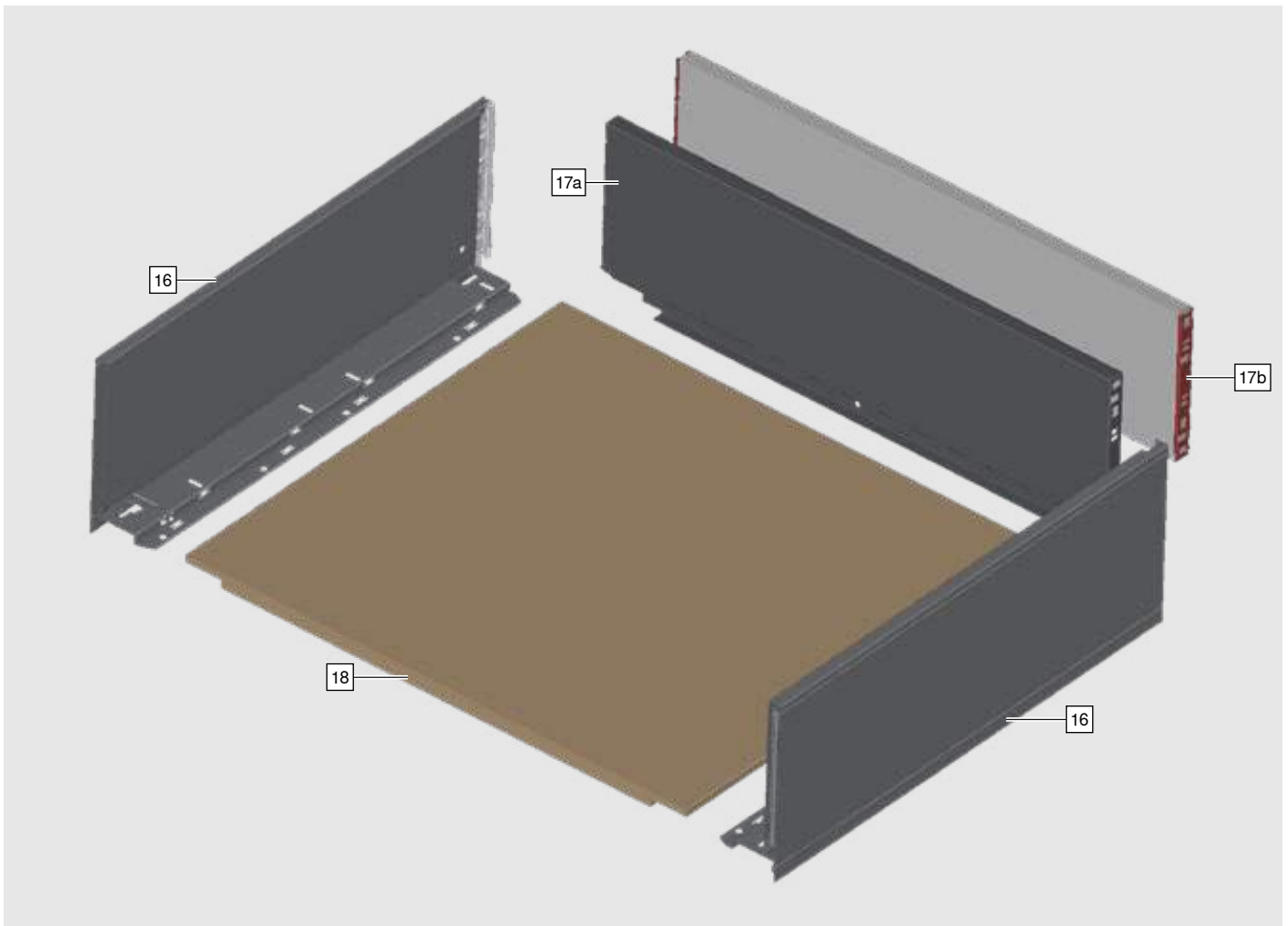
Triggers the assembly of the drawer This process is described on page 20.

[C] Lock

3 Lock:
Lock: The lock is released by pulling the lock [3].
The right press unit [6] can be moved in the desired direction.
This process is described in more detail on page 16.

4 Locking for variable widths
This process is described in more detail on page 18.

Containers to be assembled



- 16 Drawer side right / left
- 17a Steel back (see also, "Setting pre-set widths" page 16)
- 17b Chipboard back (see also, "Setting variable widths" page 18)
- 18 Drawer base

Nominal runner length	for cabinet width	Drawer base
min. 270 mm max. 650 mm	min. 275 mm max. 1200 mm	Thickness 16 mm

The assembly of drawers and pull-outs that deviate from the above, upon request.

Setting pre-set widths

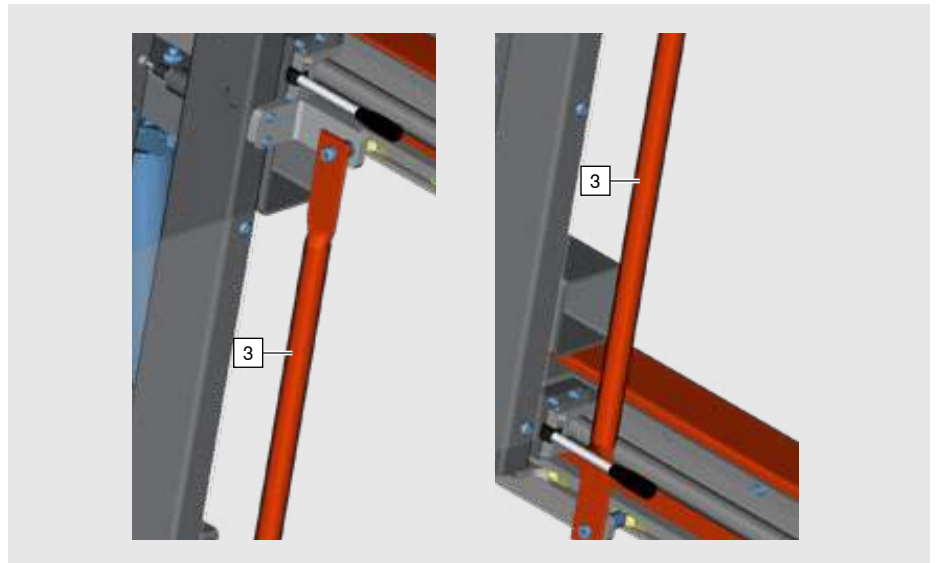
The LEGRAPRESS is pre-set for the following widths:
300, 350, 400, 450, 500, 600, 700, 800, 900, 1000 and 1200



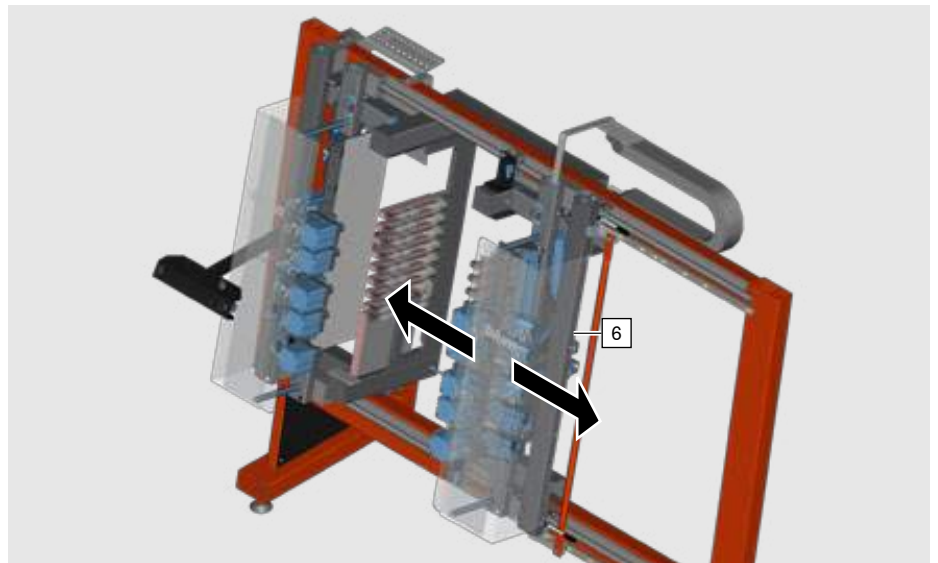
CAUTION

Only one person at a time should operate the LEGRAPRESS.

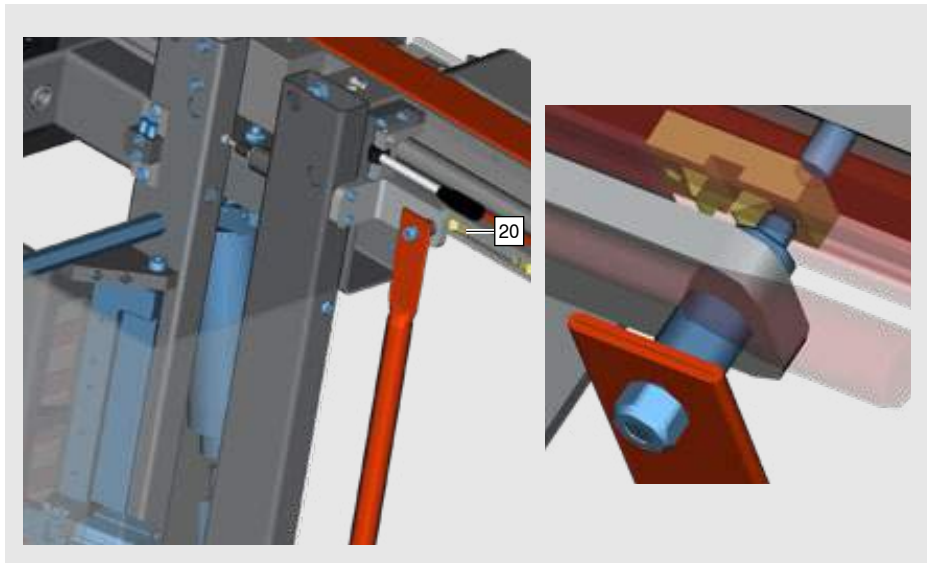
- Set the mode switch [8] to set-up.
- Pull the Lock [3].



- Move the right press unit [6] in the direction of the desired width.



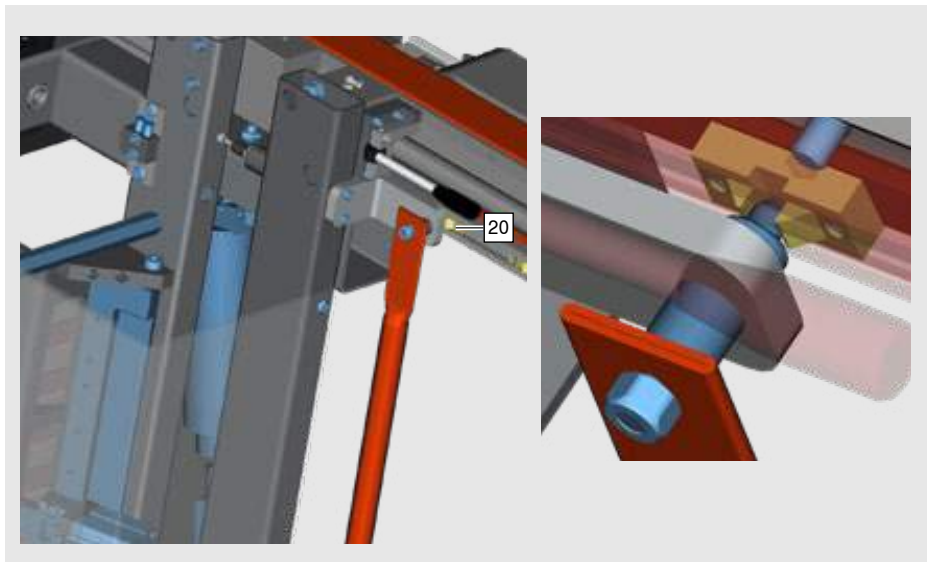
- Release the lock [3].
- Move the lock in the direction of the position slot [20].



- Secure the lock in the position slot [20].

i NOTE

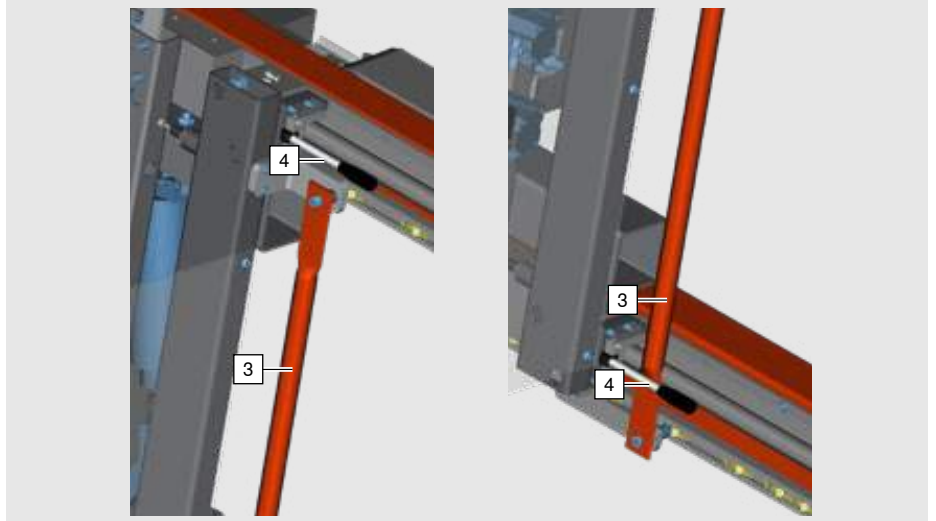
The lock must be secured from the top and bottom in the position slot [20]; otherwise parts of the work piece can fall out during assembly.



**Set additional fixed width
Flexible width****CAUTION**

Only one person at a time should operate the LEGRAPRESS.

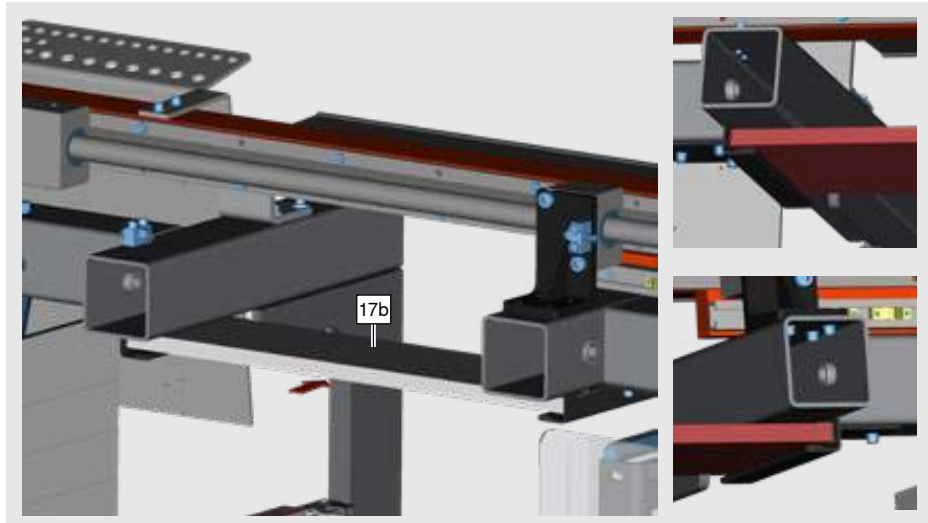
- Pull the Lock [3], release the clamping lever [4] if necessary



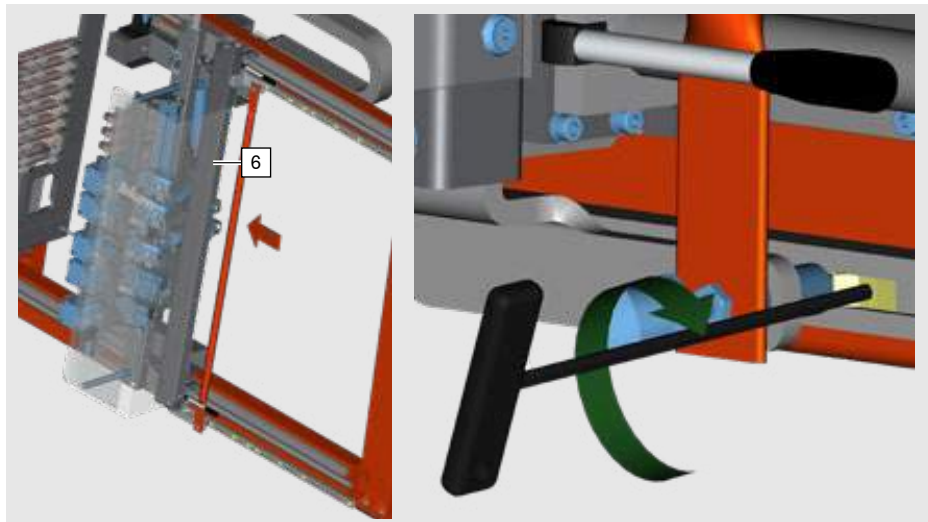
- Pull the right press unit [6] to the right
- Loosen the slot nut [x]



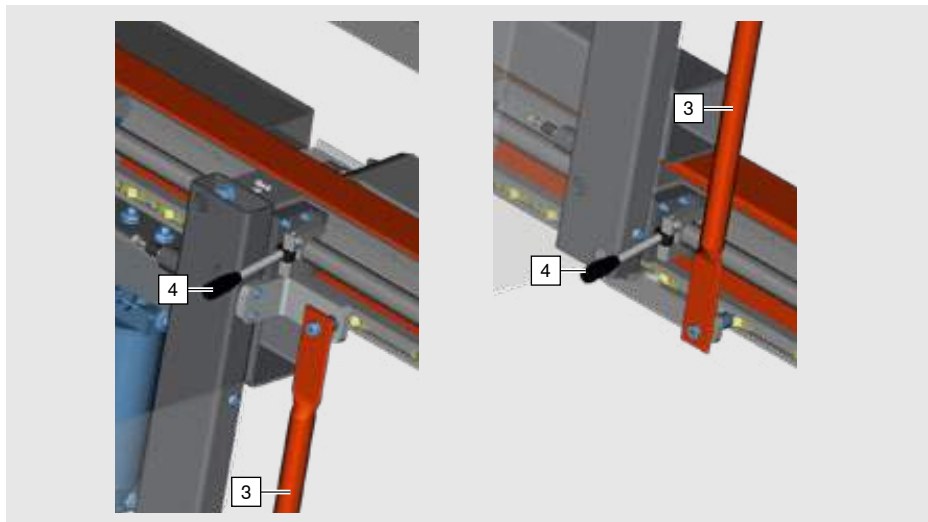
- Insert the fitting [17b] into the pre-mounted chipboard back.



- Pull the right press unit [6] to the left
- Tighten the slot nut at the top and bottom [20]



- Release the lock [3], tighten the clamping lever [4] if necessary



Container assembly

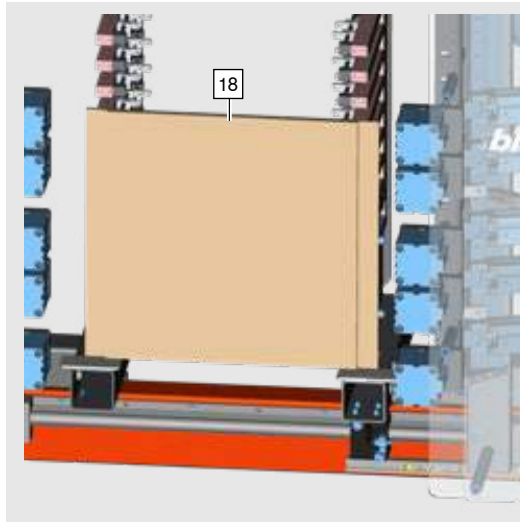


CAUTION

Only one person at a time should operate the LEGRAPRESS.

Inserting drawer bases

- Insert the drawer base [18] centred

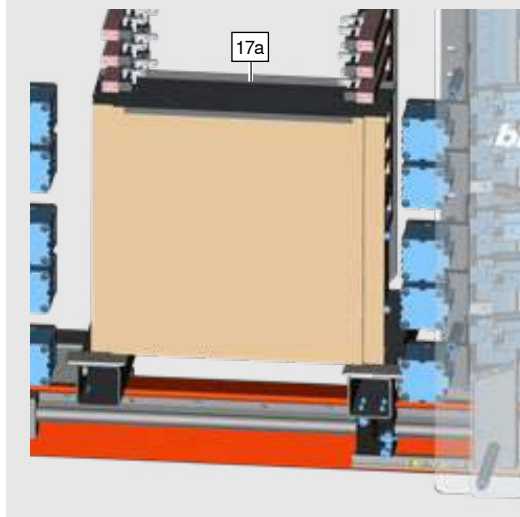


Detail:



Inserting steel backs

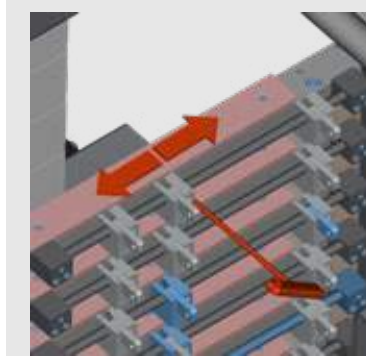
- Insert the back [17a] as shown in the figure.



Detail:



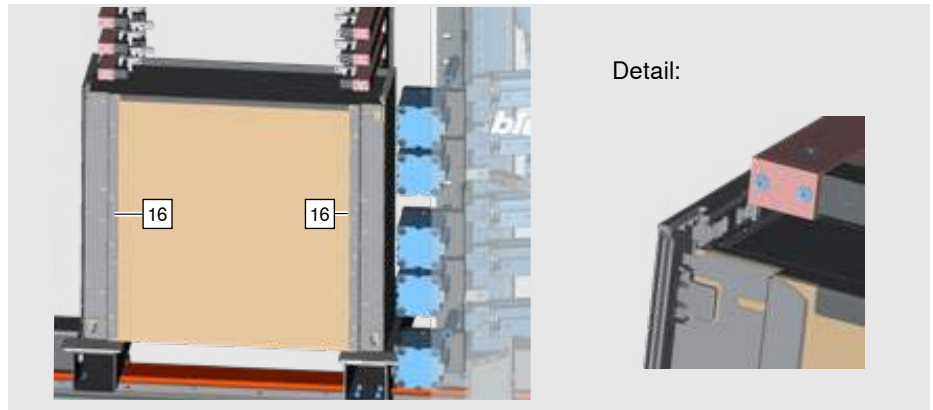
or Inserting chipboard backs



- The stops for the chipboard back must be pre-set in this case.

Inserting drawer sides

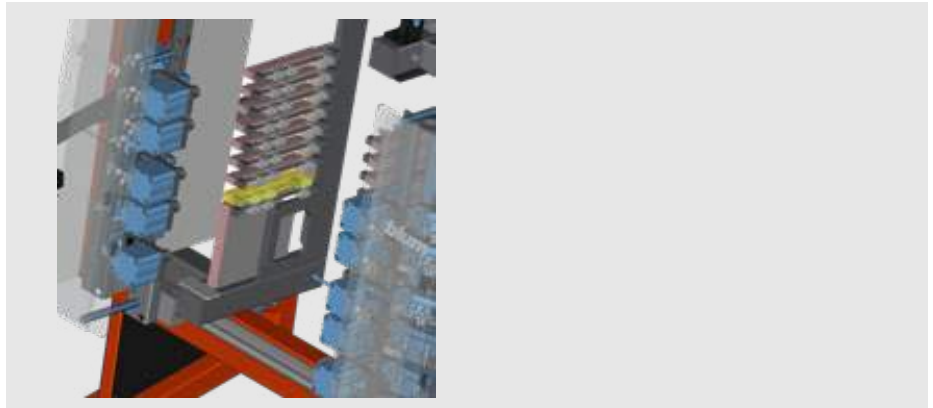
- Insert the drawer sides [16] as shown in the figure.



Setting nominal lengths

i NOTE

- The nominal length to be used is set via the mode switch [7].
- **The spacer 270/300 has to be installed at a nominal length larger than 270. An incorrect setting will damage the work piece.**



i NOTE

- The nominal length 270 to be used is set via the mode switch [7].
- The spacer 270/300 has to be removed on the left and right. **An incorrect setting will damage the work piece.**




Drawer press-in assembly

**WARNING**

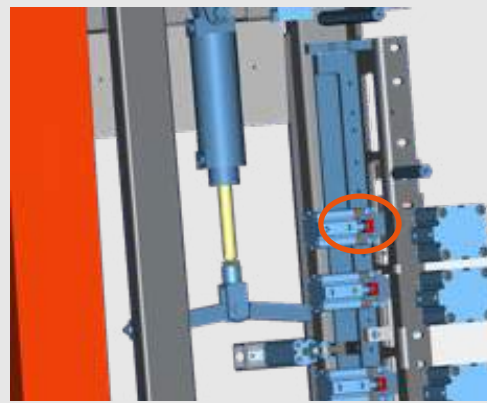
Serious injuries are possible from crushing or shearing.

- Only one person at a time should operate the LEGRAPRESS.
- All personnel should stand clear of the machine danger zone [G].

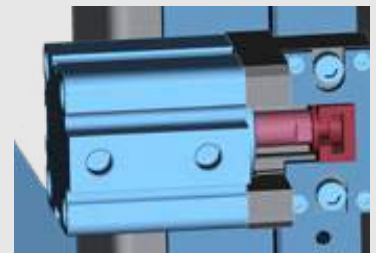
- Set the Mode switch [8] to normal operation .
- Activate the two-hand control [9] until the container is pressed.

**NOTE**

The container is pressed when the stamp is in the position as shown in the figure (see Detail).



Detail:



- Carefully remove the finished container.

Maintenance



WARNING

Risk of injury due to maintenance and service work

- Disconnect the LEGRAPRESS from the compressed air supply before performing maintenance.
- Work may only be performed by one person.
- No safety equipment or covers may be removed permanently.

- Check the compressed air cable for leaks before each start-up.
- Damaged parts may only be replaced using Blum original spare parts. www.blum.com

Lubrication

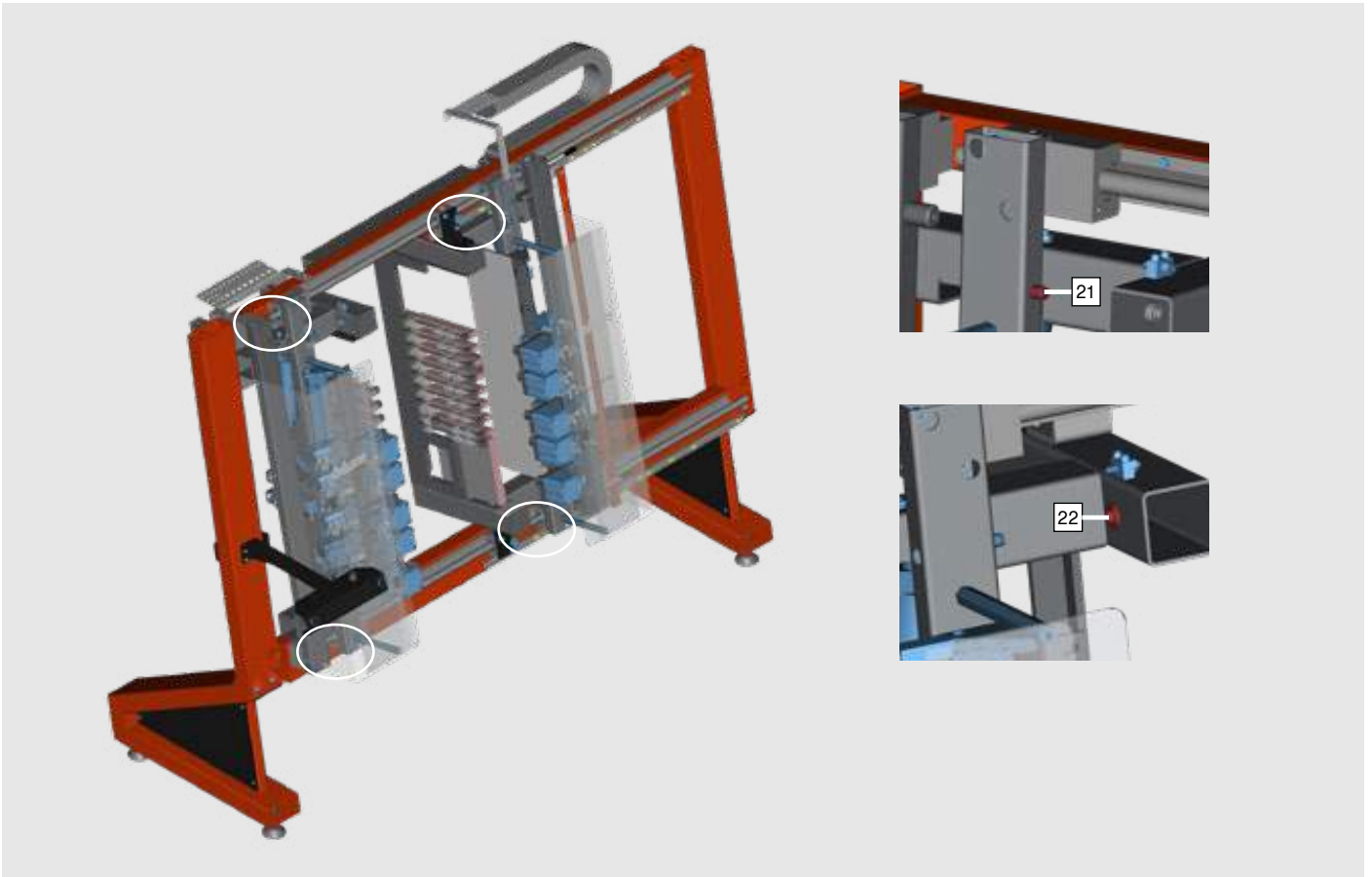


- Lubricate linear guides 1x per month, lubrication nipples [S] are located on the top or side of the roller carriage of the linear guides.

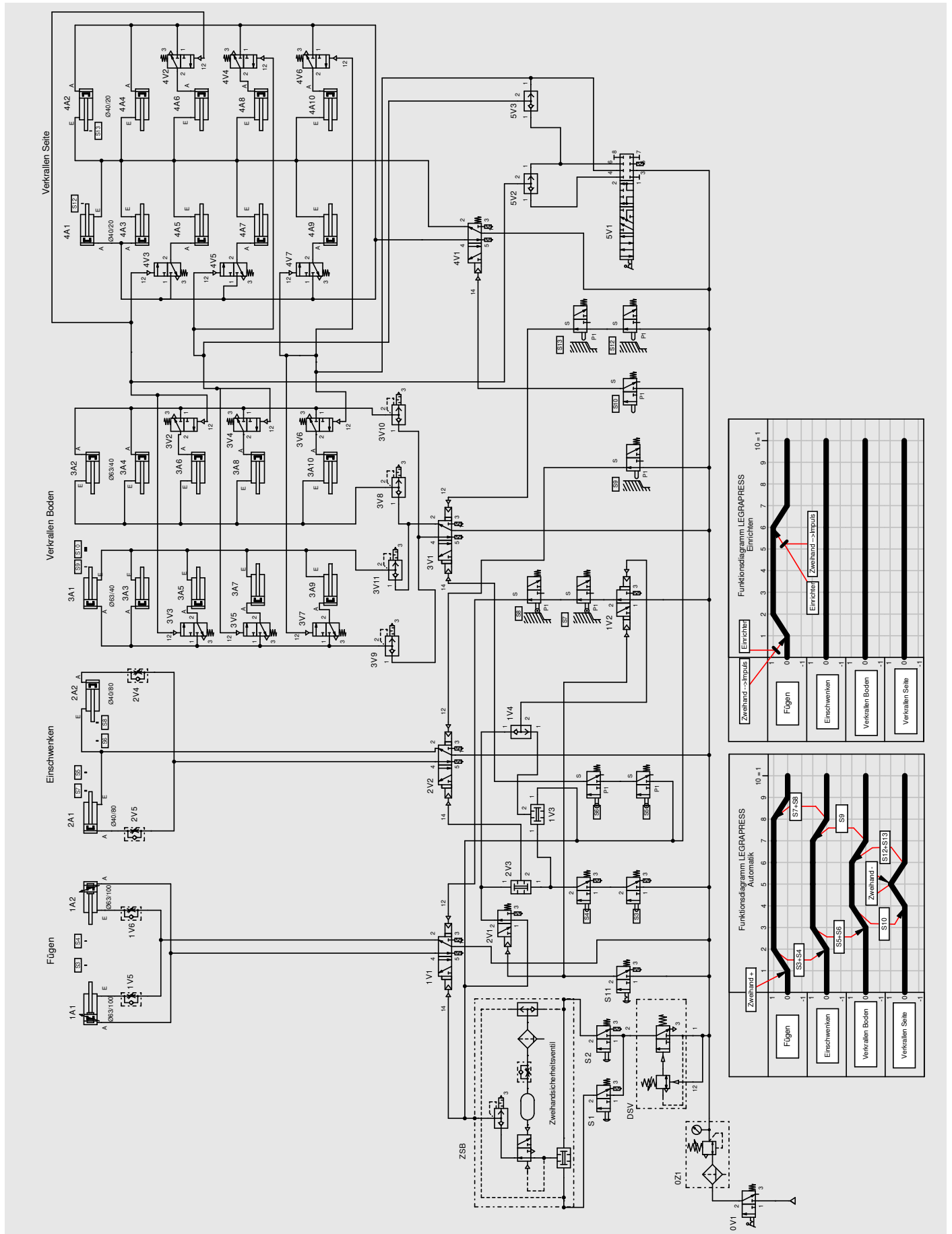
Recommended lubricant: CASTROL OLISTA LONGTIME 2

Cleaning (dust)

- Remove dust using compressed air.
- Clean bushings [21] and pegs [22].



Pneumatic diagram



EC Declaration of Conformity

We, Julius Blum GmbH, Industriestrasse 1, A-6973 Hoechst, Austria declare on our own responsibility that the LEGRAPRESS (ZMM.4700) product to which this declaration refers, complies with the following EU Directives:

EC Machine Directive 2006/42/EC

The following harmonised European standards have been used to ensure proper implementation of the requirements specified in the EU Directives:

EN ISO 12100-1, EN ISO 12100-2, EN 13849-1, EN 349, EN 983



Hoechst, 05.06.2012
Dipl. Ing. Herbert Blum,
Managing Director
www.blum.com

Documentation authorised agent:
Dipl.-Ing. (FH) Thomas Maier
www.blum.com

Technical data

Should only be used in dry, enclosed rooms.

Dimensions / Weight:

Height: _____ 2000 mm
Width: _____ 2350 mm
Depth: _____ 1270 mm
Weight: _____ 450 kg



Compressed air supply:

Compressed air: _____ Min. 7 bar
Air consumption: _____ 8,6 litres per cycle

Sound:

Emission - Sound pressure level (LAeq): _____ 79,2 dB(A)

Serial tag

LEGRAPRESS		
Ser.No.: BQ		
450 kg / 952 lbs		
Beschlag - Montagegeraet		
Ref.No.: ZMM.4700		
Julius Blum GmbH - A - 6973		

Device type: Fitting assembly device

Notes



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