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PRESS TECHNOLOGY 2024

Vacuum presses | Vacuum bags | Bonding presses



Vacuum presses · Vacuum bags and pumps · Bonding presses

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BARTH GmbH

Gerhard-Meister-Str. 5
83342 Tacherting · GERMANY
Phone: +49 8621 5050 600
barth-maschinenbau.de
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Ask us - we will be glad to assist you:

- in selecting the right lifting table and work table
- in optimizing your workplace
- in solving your assembly problems
- for difficult applications with our custom-made products

We are looking forward to your visit!



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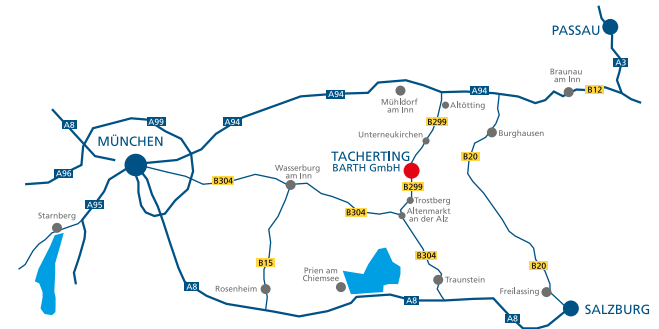


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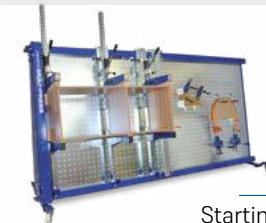
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01 Vacuum presses



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02 MULTI-presses



Starting page 24

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order processing are waiting for you.

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BARTH vacuum presses

Optimized pressing process



speed-up option

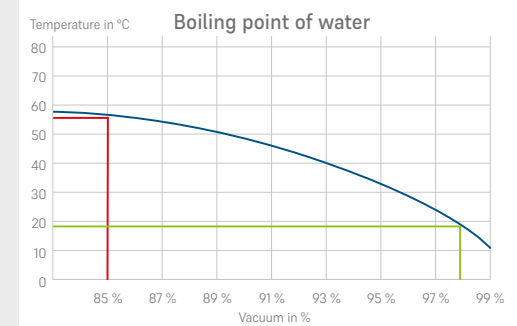
The "speed-up option" for vacuum presses offers a number of components for optimizing the vacuum pressing process and increasing efficiency. It allows the press to generate higher pressures of up to 10 tonnes per square meter*, resulting in 50% shorter press times and improved results.

The "speed-up option" includes:

- A powerful vacuum pump lubricated with circulating oil with a flow rate of 40 cubic meters per hour.
- The REVO II pressure switch for precise and automatic pressure adjustment to the pressing process requirements.
- A digital display for accurate representation of the current vacuum level, which gives the operator precise control over the process.
- A special vacuum distributor plate optimizes pressure distribution and ensures uniform suction across the entire surface, resulting in improved pressing quality.

REVO II pressure switch

The REVO REVO pressure switch was specially developed by BARTH and has significantly improved the results of the pressing processes since it has been in use. On the one hand, it allows to set the desired pressure as a percentage of the prevailing air pressure, and on the other hand, it continuously determines the maximum possible pressure of up to 98% by constantly measuring the ambient pressure. This ensures that there is always a vacuum of the right intensity during the pressing process, which means that the advantages of glue curing in the vacuum remain constant. Regardless of sea level or weather changes, the REVO II always calculates the optimum parameters and, thus continuously generates pressing results of consistent quality.



* depending on the air pressure

Overview

BARTH vacuum presses

CORVUS®

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CORVUS®-S

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TAURUS® HP

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VACUUM PUMPS

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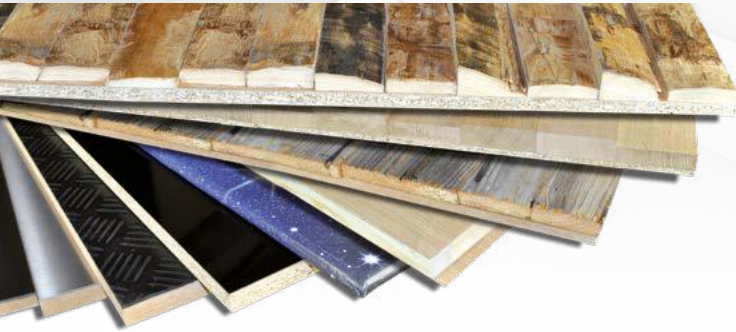
VACUUM BAG

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The vacuum press of the professional class

CORVUS®

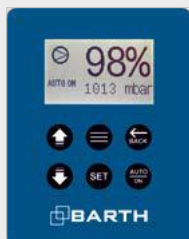


BARTH GmbH has launched a vacuum press in the professional class. The modern look combines with a sturdy construction and offers ergonomic operation on the front side of the press.

Generally, the press is delivered in the mobile version. The CORVUS® incorporates the proven BARTH vacuum technology, which has been optimized further to achieve faster evacuation times. A 100l tank serves as a buffer so that it is not necessary to operate the vacuum pump in continuous mode. This guarantees a lower noise level and saves energy. A vacuum outlet for other applications such as a vacuum bag is also standard.

Energy efficiency

Compared to a veneer press, the vacuum press impresses above all with its high energy efficiency. With physically curing dispersion adhesives, curing occurs through the evaporation of a solvent. There are two ways to increase this curing speed: by increasing the temperature or by reducing the ambient pressure. While heating a workpiece in a veneer press requires considerable energy, evacuating a workpiece in a vacuum press requires significantly less energy. This method allows energy consumption to be reduced by up to 90%, which is extremely beneficial both economically and ecologically. On average, a veneer press with hot plates consumes 12-15 kW, while a vacuum press does the same work with a maximum of 0.15-1.5 kW.



REVO II pressure switch

- Thanks to the REVO II pressure switch, it is always possible to reach the maximum vacuum with a fluctuating air pressure.

speed-up option

- higher pressure of up to 10 t/m²
 - up to 50% shorter pressing times when veneering
- For further accessories, refer to page 4



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Energy-saving

The standard pressure switch starts the vacuum pump only when needed



Efficiency

electronic pressure monitoring with REVO II pressure switch



High pressure

high pressure of up to 10 t/m²*

Technical data of CORVUS® models

- Membrane: Natural rubber, highly resilient (silicone membrane upon request)
- Vacuum pump 40 m³ 3/h, lubricated with circulating oil
- Tank capacity: 1x100 l
- electronic pressure monitoring with REVO pressure switch
- Sturdy movable frame
- additional vacuum connection with 13 mm hose fitting
- clamping dimensions L x W:
 CORVUS® 3014: 3,000 x 1,420 mm
 CORVUS® 3514: 3,500 x 1,420 mm
- Footprint L x W x H:
 CORVUS® 3014: 3,200 X 1,650 x 910 mm
 CORVUS® 3514: 3,700 x 1,650 x 910 mm

Optional:

- available with glanded pump

Recommended accessories:

- Cover plate for CORVUS®

Additional accessories refer to page 22



THOMAS BERER
Schreinerei Berer aus
Bad Birnbach

"After thinking about it for a long time, I replaced my hydraulic veneer press with a vacuum press from BARTH. Today I am happy that I took this step."

For the complete customer statement, visit us on the Internet at:



User video



CORVUS® 3014.40 speed-up
with optional cover plate

Pivotable and flexible

CORVUS®-S

The CORVUS®-S models impress with their small footprint. Thanks to the sturdy folding construction in conjunction with the wheels, you can use your vacuum press very flexibly throughout the workshop.

The optional cover plate is not only a protection for the membrane, it also provides a support and worktop. The extremely stretchable natural rubber membrane does not leave any wishes, even when performing shape bonding.



CORVUS®-S 3014 speed-up

Space-saving



Technical data of CORVUS®-S models

- Membrane: Natural rubber, highly resilient (silicone membrane upon request)
- Vacuum pump 40 m³ 3/h, lubricated with circulating oil
- Tank capacity: 1x100 l
- electronic pressure monitoring with REVO II pressure switch
- Sturdy movable frame
- additional vacuum connection with 13 mm hose fitting
- **clamping dimensions L x W:**
CORVUS®-S 3014: 3,000 x 1,420 mm
CORVUS®-S 3514: 3,500 x 1,420 mm
- **Footprint L x W x H:**
CORVUS®-S 3014 or 3514: 3,290 or 3,790 x 1,650 x 940 mm

Speed-up option

- Vacuum press, lubricated with circulating oil
- Power: 40 m³/h
- Vacuum distribution plate
- Pressure controller: digital type REVO II, see page 4



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A BARTH vacuum press was used to manufacture the handrail in the staircase of the company Rüscher.

The space-saving wall-mounted version

CORVUS®-W

For the smallest space requirement we have developed the CORVUS®-W models for wall mounting.

For this series, the vacuum pump and the storage tank are supplied as a standalone unit. The machine can thus easily be folded up when not in use and requires no place in the workshop routine. All the usual advantages of a vacuum press are maintained.



Space-saving when not in use, depth is only 520 mm



Technical data of CORVUS®-W models

- Membrane: Natural rubber, highly resilient (silicone membrane upon request)
- Vacuum pump 40 m³ 3/h, lubricated with circulating oil
- Tank capacity: 1x100 l
- electronic pressure monitoring with REVO pressure switch
- additional vacuum connection with 13 mm hose fitting
- **clamping dimensions L x W:**
CORVUS®-W 3014: 3,000 x 1,420 mm
CORVUS®-W 3514: 3,500 x 1,420 mm
- **Footprint L x W x H:**
CORVUS®-W 3014:
3,500 x 520 x 2,170 mm
CORVUS®-W 3514:
4,000 x 520 x 2,170 mm

Speed-up option

- Vacuum press, lubricated with circulating oil
- Power: 40 m³/h
- Vacuum distribution plate
- Pressure controller: digital type REVO II, see page 4





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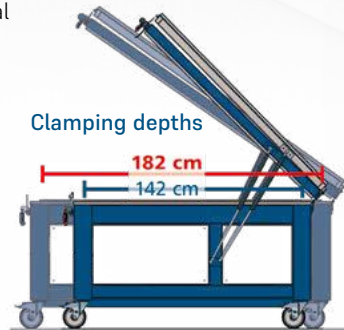
The industrial grade





TAURUS®

The BARTH TAURUS® vacuum press is the flagship of the vacuum press fleet. It combines flexibility in part processing and mass production with the widest possible work area. So, there is no limit to creativity and fields of application.

With lengths from 4 meters - up to special lengths - and the two **clamping depths of 142 and 182 cm**, the elasticity limits of the membrane are expanded in addition to the dimensions of the work table.

Larger, higher and above all longer parts can thus be bonded in a comfortable way.



- 
Flexible
 Fields of application: Veneering, edge processing and shape bonding
- 
Energy-saving
 low energy consumption
- 
High pressure
 high pressure of up to 10 t/m²*
- 
Efficiency
 electronic pressure monitoring with REVO II pressure switch



Latch for opening the membrane frame with overhead crane



Technical data TAURUS®

- Membrane: Natural rubber, highly resilient (silicone membrane upon request)
- Standard version with speed-up:
 Pressure regulator: electronic, REVO II type,
 vacuum pump lubricated with circulating oil
 Power: 40 m³/h, vacuum distributor plate
- Tank capacity: 2x100 l
- additional vacuum connection with 13 mm hose fitting
- clamping dimensions L x W:
 TAURUS® 4014 speed-up or 5014 speed-up: 4,000 or 5,000 x 1,420 mm
 TAURUS® 3018 speed-up, 4018 speed-up or 5018 speed-up: 3,000, 4,000 or 5,000 x 1,820 mm
- Footprint L x W x H:
 TAURUS® 4014 speed-up or 5014 speed-up:
 4,290 or 5,290 x 1,650 x 940 mm
 TAURUS® 3018 speed-up, 4018 speed-up or 5018 speed-up:
 3,290, 4,290 or 5,290 x 2,050 x 940 mm



ALOIS KERMER
MT Propeller from Atting

"Together with BARTH Maschinenbau, we developed a "vacuum bag" that replaced the cumbersome cable ties. But the solution with vacuum bags also reached its limits, and therefore BARTH developed our own vacuum press with a heating hood to significantly speed up the work process."

For the complete customer statement, visit us on the Internet at:



TAURUS 5518 speed-up
with optional cover plate

User video



- Powerful vacuum pump
40 m³/h, with 2x100 l storage tank
- Differential pressure circuit
digital, REVO II

- Natural rubber membrane
highly resilient
- Cover plate, folding
protects the membrane against sunlight
(optional)



Vacuum connection
additional connection for vacuum bag

The concept of the preheating station in the BARTH TAURUS H is based on an electric heating plate. This guarantees even and gentle heating of the materials without the risk of discolorations of the material.

The industrial grade TAURUS® H

Industrial vacuum press TAURUS® H with preheating station

Preheating station (H)

- Max. size of workpiece:
2,650 x 950 mm
- Electrical heating plate
- Electronic temperature monitoring
- solid drawer slide
- Connection: 400 V / 9,45 kW / 16 A

Technical data TAURUS® H

- Membrane: Silicone membrane, highly resilient
- **Standard version with speed-up:**
Pressure regulator: electronic, REVO II type, vacuum pump lubricated with circulating oil
Power: 40 m³/h, vacuum distributor plate
- Tank capacity: 4 x 60 l
- Highly sturdy movable frame
- Additional vacuum connection with 13 mm hose fitting
- Clamping dimension L x W:
TAURUS® H 3014 speed-up: 3,000 x 1,420 mm
- Footprint L x W x H:
TAURUS® H 3014 speed-up (with preheating station):
3,860 x 2,730 x 940 mm

Other sizes on request



Additional
standard
vacuum outlet
for e.g. vacuum bag



The industrial grade

TAURUS® P

The TAURUS® P vacuum press is perfect for industrial applications. Its stable frame and the rubber membrane are moved by four solid cylinders, pulling the membrane completely parallel over the workpiece. Warping is reliably avoided, even with tall parts.

Parallel movement (P)

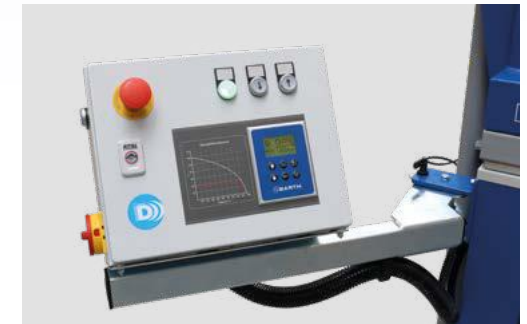
- Large opening 1,370 mm (membrane frame bottom edge 1,950 mm)
- 4 solid cylinders
- Membrane frame change system

Technical data TAURUS® P

- Membrane: Natural rubber, highly resilient
 - Standard version with speed-up:
Pressure controller: electronic REVO II type, vacuum pump lubricated with circulating oil
Power: 40 m³/h, vacuum distributor plate
 - Tank capacity: 2 x 100 l
 - Highly sturdy movable frame
 - Additional vacuum connection with 13 mm hose fitting

 - Clamping dimension L x W:
TAURUS® P 3014 speed-up: 3,000 x 1,420 mm

 - Footprint L x W x H:
TAURUS® P 3014 speed-up (with parallel movement):
3,860 x 1,540 x 2,500 mm
- Other sizes on request



The BARTH vacuum press TAURUS® HP: It combines flexibility in part processing and mass production with the widest possible work area. So, there is no limit to creativity and fields of application.

The industrial grade TAURUS® HP

Industrial vacuum press TAURUS® HP with preheating station and parallel movement

Preheating station (H)

- Max. size of workpiece:
2,650 x 950 mm
- Electrical heating plate
- Electronic temperature monitoring
- Solid drawer slide
- Connection:
400 V / 9,45 kW / 16 A

Parallel movement (P)

- Large opening 1,100 mm (membrane frame bottom edge 1,950 mm)
- 4 solid cylinders
- Membrane frame change system

Technical data TAURUS® HP

- Membrane: Silicone membrane (HP), natural rubber, highly resilient (P)
- **Standard version with speed-up:** Pressure regulator: electronic, REVO II type, vacuum pump lubricated with circulating oil Power: 40 m³/h, vacuum distributor plate
- Tank capacity: 4 x 60 l (HP), 2 x 100 l (P)
- Highly sturdy movable frame
- Additional vacuum connection with 13 mm hose fitting
- Clamping dimension L x W:
TAURUS® HP 3014 speed-up: 3,000 x 1,420 mm
- Footprint L x W x H:
TAURUS HP 3014 speed-up (with preheating station and parallel movement):
3,860 x 2,730 x 2,500 mm

Other sizes on request





■ Heating plate for gentle and even heating

■ Large opening, 1,100 mm

■ Solid cylinders



The compact class

LUPUS

The LUPUS vacuum press series can be used for a wide variety of applications such as veneering, laminating, solid wood bonding or form bonding.

It is definitely the optimal solution for professional users and ambitious DIY enthusiasts processing smaller workpieces. The membrane clamping is equipped with the high-quality sealing profile and impresses with the proven BARTH quality.



LUPUS 2312 with optional vakuuBOX 8.5



LUPUS 1208 with optional vakuuBOX 8.5

Technical data LUPUS 1208 and 2312

- With natural rubber membranes (silicone membranes are optionally available)
- 3 m suction hose
- Without vacuum supply
- Small and lightweight, removable feet
- Clamping dimension L x W:
LUPUS 1208: 1,200 x 800 mm
LUPUS 2312: 2,300 x 1,200 mm
- Footprint L x W x H:
LUPUS 1208: 1,350 x 1,000 x 980 mm
LUPUS 2312: 2,450 x 1,400 x 980 mm

■ removable feet

■ Ventilation by ball valve

■ high quality membrane clamping

■ Vacuum supply vakuuBOX 8.5 (optional)

Mobile and powerful

Vacuum pumps

PT 25.100 / PT 40.100 speed-up

The mobile vacuum generators PT 25.100 and PT 40.100 speed-up supply your vacuum units independently of fixed connections. Internally, they have a powerful vacuum pump feeding a 100 liter supply tank. For devices with low vacuum consumption, two 13 mm hose fittings are provided, as well as a 25 mm hose fitting for the BARTH vacuum presses.



PT 40.100 speed-up in addition:

- higher pressure of up to 10 t/m²
- up to 50% shorter pressing times when veneering
- electronic pressure monitoring with REVO II pressure switch
- digital vacuum display
- vacuum pump 40 m³/h, lubricated with circulating oil

PT 25100

- Automatic cut-out
- Power: 25 m³/h, dry-running
- Tank capacity 100 l
- max. vacuum 850 mbar
- Footprint: 1,360 x 560 x 670 mm

The power package

vakuuBOX 8.5



Technical data vakuuBOX 8.5

- dry-running
- tank capacity 4.8 litres
- max. vacuum 850 mbar
- suction power 8 m³/h
- manual differential pressure switch
- Pressure continuously adjustable up to 85% vacuum
- Size LxWxH: 400 x 300 x 330mm
- Weight: 21kg
- Connection 13 mm nozzle with ball valve
- Connection with quick coupling for vacuum suction cups

Mobile and lightweight

Vacuum pump 5.0



Technical data vacuum pump 5.0

- dry-running
- max. vacuum 850 mbar
- suction power 5 m³/h
- manual differential pressure switch



There are no limits

Vacuum bag

Open to all forms and tasks - The vacuum bag

Vacuum bags are the precursors of the modern vacuum presses which are characterized by a simple and cost-efficient technology. They mainly consist of a membrane bag, which is closed on one narrow side. However, they are more complex to handle than modern vacuum presses.

They can be used for press tasks like:

- Veneer bonding
- Form bonding
- Wrapping veneer and
- Edge bonding

For pressing, the workpieces are placed in the vacuum bag which is then hermetically sealed and connected to a vacuum pump. The great advantage of the BARTH vacuum bags is the material, an extremely stretchable and resilient natural rubber which is also used in the vacuum presses. So, the vacuum bag does not wrinkle during bending. BARTH provides all vacuum bags with a comfortable closure which is always located on the narrow side so that the vacuum bags can be easily and safely closed. The vacuum bags can be bended any way and can be formed to any shape.

The vacuum bags demonstrate their strength when pressing large moulded parts as they only have to take up the material to be pressed. The forming element (template) may be left outside the bag. Alternatively, it is also possible to place suitably stable templates into vacuum bag, as in the vacuum press.



Vacuum bag with vakuuBOX 8.5



User video



Technical data vacuum bag

- Vacuum bag with one open short side
- available widths:
750 mm (usable width 650 ± 20 mm)
1,500 mm (usable width 1,400 ± 20 mm)
- available lengths: from 1 m to max. 20 m (in integral meters)
- Suction nozzle for 13 mm vacuum hose
- Closure strip
- Manual slide valve and 5 m vacuum hose

Machine accessories

REVO II pressure switch



Electronic pressure monitoring with REVO II pressure switch:
 > larger display
 > continuous mode function with timer
 > easy operation with more buttons
 > ergonomic due to larger buttons

Cover plate



Protects the membrane from mechanical damage and UV radiation; provides an easily loadable worktop; easily folding thanks to gas spring support

Vacuum distributor plate slotted MDF plate



For models	Art.no.
1208	BP-11-1208-28
2312	BP-11-2312-28
3014	BP-25-3014-00-28
3514	BP-25-3514-00-28

Additional 100 l vacuum tank

ensures an even faster evacuation

Lupus wall bracket

Art. no. BP-11-31

Wall bracket for LUPUS 2312 and 1208

Membrane accessories

Silicone membrane



Temperature resistant up to 220° C
 Any device can be optionally equipped with a silicone membrane.

Removable frame



For a frequent change of the membrane from natural rubber to silicone, it is recommended to purchase a removable frame as an accessory.

Talcum



Art. no. BP-40-08

To improve sliding of the membrane on the worktop or the workpiece, it is recommended to dust the membrane with talcum.

500 g can

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We focus on your requirements

Custom solutions of vacuum presses



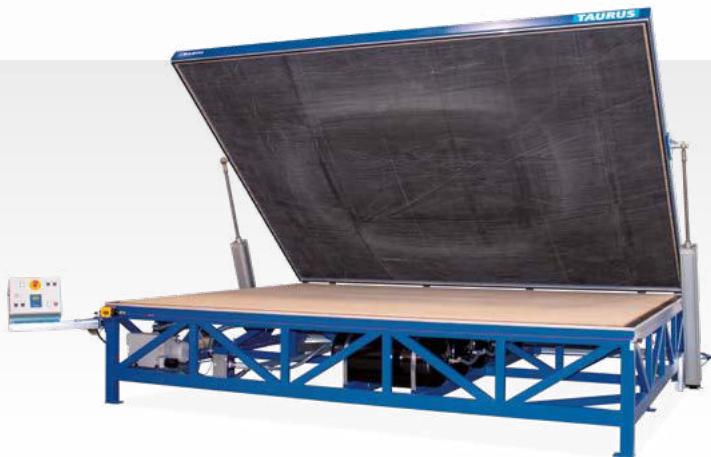
Special sizes on request



TAURUS 4018 with heating cover



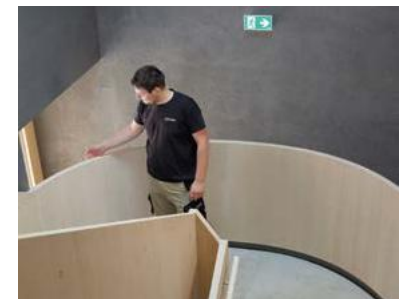
Upon request with pneumatic or hydraulic membrane opening



Automated control of the pressing time and membrane opening. With light barrier as safety device.

Creative, innovative, efficient

BARTH MULTI-press



Overview

BARTH MULTI-presses

RP / RPW
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RPG
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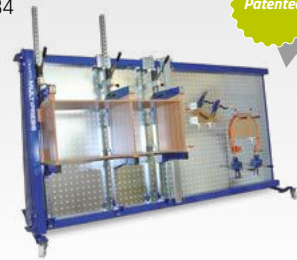
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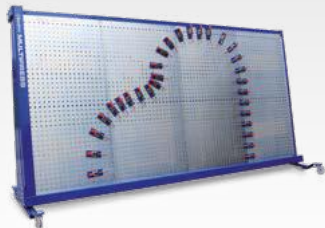
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RPG-V / RPGL-V
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RPL
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HSH01
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Creative, innovative, efficient

The MULTI-press system

RP / RPW

The space-saving allrounder
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RPG

The smart modular system
Page 29



Double-sided RPG

The smart modular system



The patented idea of BARTH provides a smart solution regarding the pure frame press. The RPGL provides a hole plate behind a system press.

This RPGL press and assembly center can be used for any bonding and assembly work. Important advantages of such press centers are the smaller footprint as well as the enormous flexibility and versatility. In particular, the short set-up times must be considered; attachment parts and accessories can be assembled and disassembled without tools.

Type	Forfor bonding Clamping dimension (L x H)	Forfor frames * Clamping dimension (L x H)	Forfor frames ** Clamping dimension (L x H)	for carcasses * Clamping dimension (L x H)	for carcasses ** Clamping dimension (L x H)	Footprint (L x H x D)	Footprint with Zentralhydraulik (L x H x D)
RP 2501	2,400 x 1,580 mm	2,110 x 1,580 mm	2,050 x 1,580 mm	2,110 x 1,340 mm	2,050 x 1,340 mm	2,560 x 2,250 x 720 mm	2,650 x 2,400 x 730 mm
RP 3001	2,900 x 1,580 mm	2,610 x 1,580 mm	2,550 x 1,580 mm	2,610 x 1,340 mm	2,550 x 1,340 mm	3,060 x 2,250 x 720 mm	3,150 x 2,400 x 730 mm
RP 4001	3,900 x 1,580 mm	3,610 x 1,580 mm	3,550 x 1,580 mm	3,610 x 1,340 mm	3,550 x 1,340 mm	4,060 x 2,250 x 720 mm	4,150 x 2,400 x 730 mm
RPG 2025 / 2525	2,400 x 1,580 / 2,080 mm	2,110 x 1,580 / 2,080 mm	2,050 x 1,580 / 2,080 mm	2,110 x 1,340 / 1,840 mm	2,050 x 1,340 mm	2,580 x 2,250 / 2,750 x 800 mm	2,860 x 2,400 / 2,900 x 800 mm
RPG 2030 / 2530	2,900 x 1,580 / 2,080 mm	2,610 x 1,580 / 2,080 mm	2,550 x 1,580 / 2,080 mm	2,610 x 1,340 / 1,840 mm	2,550 x 1,340 / 1,840 mm	3,080 x 2,250 / 2,750 x 800 mm	3,360 x 2,400 / 2,900 x 800 mm
RPG 2040 / 2540	3,900 x 1,580 / 2,080 mm	3,610 x 1,580 / 2,080 mm	3,550 x 1,580 / 2,080 mm	3,610 x 1,340 / 1,840 mm	3,550 x 1,340 / 1,840 mm	4,080 x 2,250 / 2,750 x 800 mm	4,360 x 2,400 / 2,900 x 800 mm
RPG 2050 / 2550	4,900 x 1,580 / 2,080 mm	4,610 x 1,580 / 2,080 mm	4,550 x 1,580 / 2,080 mm	4,610 x 1,580 / 2,080 mm	4,550 x 1,580 / 2,080 mm	5,080 x 2,250 / 2,750 x 800 mm	5,360 x 2,400 / 2,900 x 800 mm
RPG 2025 double sided	2,400 x 1,580 mm	2,110 x 1,580 mm	2,050 x 1,580 mm	2,110 x 1,340 mm	2,050 x 1,340 mm	2,580 x 1,360 x 2,250 mm	3,140 x 1,510 x 2,250 mm
RPG 2030 double sided	2,900 x 1,580 mm	2,610 x 1,580 mm	2,550 x 1,580 mm	2,610 x 1,340 mm	2,550 x 1,340 mm	3,080 x 1,360 x 2,250 mm	3,640 x 1,510 x 2,250 mm
RPG 2040 double sided	3,900 x 1,580 mm	3,610 x 1,580 mm	3,550 x 1,580 mm	3,610 x 1,340 mm	3,550 x 1,340 mm	4,080 x 1,360 x 2,250 mm	4,640 x 1,510 x 2,250 mm

*Lateral pressure device with rack-and-pinion gears **Lateral pressure device with hydraulic cylinder | with lateral pressure device L +190mm, with movable frame T + 450mm, H + 25 mm with hold-down clamps H + 90 mm

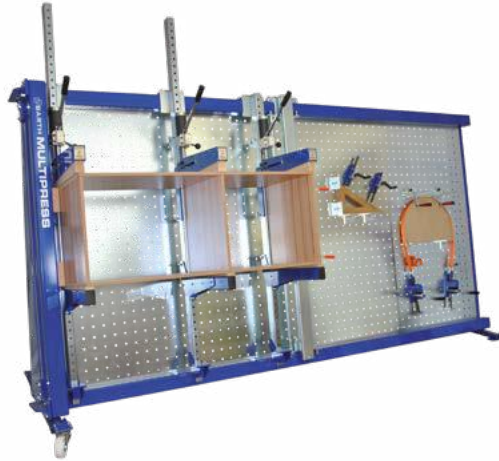
RPG-NH / RPGL-NH

Comfort bonding in a modular system
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RPGL

The frame and hole plate
press combination
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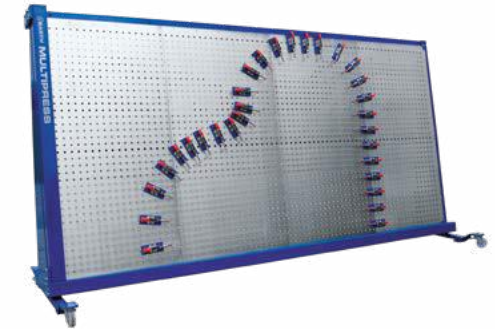
RPG-V / RPGL-V

The space-saving press/bonding center
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RPL

The creative press
Page 38



Type	for bonding Clamping dimension (L x H)	for frames * Clamping dimension (L x H)	for frames ** Clamping dimension (L x H)	for carcasses * Clamping dimension (L x H)	for carcasses ** Clamping dimension (L x H)	Footprint (L x H x D)	Footprint with central hydraulic system (L x W x D)
RPG-NH 2030	2,900 x 1,580 mm	2,610 x 1,580 mm	2,550 x 1,580 mm	2,610 x 1,340 mm	2,550 x 1,340 mm	3,580 x 980 x 2,410 mm	3,860 x 1,130 x 2,410 mm
RPG-NH 2040	3,900 x 1,580 mm	3,610 x 1,580 mm	3,550 x 1,580 mm	3,610 x 1,340 mm	3,550 x 1,240 mm	4,580 x 980 x 2,410 mm	4,860 x 1,130 x 2,410 mm
RPGL 2030 / 2530	2,900 x 1,580 / 2,080 mm	2,610 x 1,580 / 2,080 mm	2,550 x 1,580 / 2,080 mm	2,610 x 1,340 / 1,840 mm	2,550 x 1,340 / 1,840 mm	3,080 x 2,250 / 2,750 x 800 mm	3,360 x 2,400 / 2,900 x 800 mm
RPGL 2040 / 2540	3,900 x 1,580 / 2,080 mm	3,610 x 1,580 / 2,080 mm	3,550 x 1,580 / 2,080 mm	3,610 x 1,340 / 1,840 mm	3,550 x 1,340 / 1,840 mm	4,080 x 2,250 / 2,750 x 800 mm	4,360 x 2,400 / 2,900 x 800 mm
RPL 2030	2,850 x 1,860	-	-	-	-	3,030 x 750 x 2,080 mm	-
RPL 2040	3,850 x 1,860 mm	-	-	-	-	4,030 x 750 x 2,080 mm	-
RPL 2525	2,330 x 2,390 mm	-	-	-	-	2,530 x 900 x 2,570 mm	-
RPL 2530	2,830 x 2,390 mm	-	-	-	-	3,030 x 900 x 2,570 mm	-
RPL 2540	3,830 x 2,390 mm	-	-	-	-	4,030 x 900 x 2,570 mm	-
RPL 3240	3,850 x 3,060 mm	-	-	-	-	4,030 x 1,200 x 3,200 mm	-
RPL 3250	4,850 x 3,060 mm	-	-	-	-	5,030 x 1,200 x 3,200 mm	-
RPG-V 2033 / 2533	3,250 x 1,580 / 2,080 mm	2,960 x 1,580 / 2,080 mm	2,900 x 1,580 / 2,080 mm	2,960 x 1,340 / 1,840 mm	2,900 x 1,340 / 1,840 mm	3,420 x 2,250 / 2,750 x 1,260 mm	3,660 x 2,400 / 2,900 x 1,200 mm
RPG-V 2038 / 2538	3,750 x 1,580 / 2,080 mm	3,460 x 1,580 / 2,080 mm	3,400 x 1,580 / 2,080 mm	3,460 x 1,340 / 1,840 mm	3,400 x 1,340 / 1,840 mm	3,920 x 2,250 / 2,750 x 1,260 mm	4,160 x 2,400 / 2,900 x 1,200 mm

*Lateral pressure device with rack-and-pinion gears **Lateral pressure device with hydraulic cylinder | with lateral pressure device L +190mm, with movable frame T + 450 mm, H + 25 mm with hold-down clamps H + 90 mm


The space-saving allrounder


MULTI-Press RP / RPW


Bonding with glue presses on trestles is very time-consuming and requires a large surface in the bench area.


The presses of the RP series are mobile and space-saving when used in the workshops. Difficult and time-consuming bonding with glue presses is no longer necessary, considerably reducing the assembly times. Whether frame, carcass or plate bonding: the solid construction of the MULTI-press and the manual pressure cylinders HSH 01 especially designed for woodworking will support you with full power.




 **Universal use**
frame, surface, stands,
carcass, ...

 **System press**
expandable at any time with
accessories up to a carcass press
(impossible with a rack-and-pinion-
gear)

 **Quick set-up**
tool-free attachment and
removal of accessories

 **Efficiency**
increasing the value-adding time
for manual work

 **Quality**
solid steel frame, resistant surfaces,
made in Germany



Technical data of RP models

- 3 press units with manual hydraulics HSH01 pressure elements 100 mm stroke, 2,000 pressing force
- 90° stop
- The MULTI-Press RP is expandable at any time with the components of the MULTI-press system
- also available with central hydraulic system


Technical data of RPW models

- 3 press units with rack-and-pinion gear with 140 mm stroke, 1,000 pressing force
- 90° stop
- The MULTI-Press RPW is expandable at any time with the components of the MULTI-press system.

On request, the frame is supplied disassembled.

Dimensions, refer to table on page 26



 **Instant information at:**

**+49 8621 5050 600 or
info@barth-maschinenbau.de**



Base version of RPW



RP with optional accessories

User video



The smart modular system for your workshop


MULTI-Press RPG 20 / RPG 25


BARTH develops and manufactures universal system presses for efficient processing of:

- Carcass
- Frame
- Stands and plates

They have been especially developed to carry out sizing work in a quick and cost-effective way. Productivity in your workshop increases and you save time. Even intractable wood cannot withstand the system presses. With a clamping force of up to 2,000 kg, they bring each piece into the correct position with the turn of your hand. Customers always expect 100% quality with strong and uniform glued joints. BARTH system presses are a future-proof investment.



 **System press**
expandable at any time with accessories up to a carcass press (impossible with a rack-and-pinion-gear)

 **Quick set-up**
tool-free attachment and removal of accessories

Technical data of RPG 20 models

- Base frame made of a solid steel frame
- 90° stop on the left side
- Solid cross-bracing
- Powder-coated surface

Technical data of RPG 25 models

- RPG 20, but higher 90° stop (+ 500 mm)
- On request, the frame is supplied disassembled.
Dimensions, refer to table on page 26



DI (FH) THOMAS HUBER
Schreinerei Huber
in Kirchbichl

*„The MULTI-press RPG 2040
has given us many advantages
for the effectiveness of our
production!“*

For the complete customer
statement, visit us on the
Internet at:



RPG 2040 with optional accessories
Various accessories, starting page 40.

User video



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Comfort bonding in a modular system

MULTI-Press RPG-NH

Everyone who has to carry out a lot of wide bonding every day will be glad about the easy operation of the mobile hold-down clamps.

The hold-down clamp is recommended for each wide bonding, e.g. tabletops. It prevents the edges from sliding on the glue joint. Thus, a high surface removal by grinding or even planing is not necessary. The high pressure prevents the edges from protruding. This increases safety considerably. The conventional hold-down clamp is mounted for any bonding and, removed afterwards. The mobile hold-down clamp is simply pushed on ball bearing guides over the surface to the side. The hand levers of the manual hydraulic cylinders simply fold away.

More comfort is not possible!



Technical data of RPG-NH models

- Base frame
- 90° stop
- Guide rails for mobile hold-down clamp
- 2 mobile hold-down clamps

Dimensions, refer to table on page 26



*RPG-NH 2030 with moving device and accessories
Various accessories, starting page 40.*

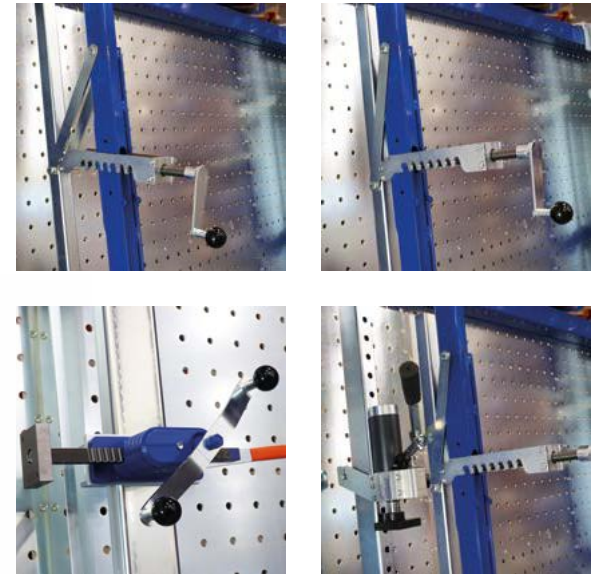
Comfort bonding in a modular system

MULTI-Press RPGL-NH

Patented



*RPGL-NH 2040 with moving device and accessories
Various accessories, starting page 40.*



- hold-down clamp quick adjustment (also applies to RPG-NH)
- rack-and-pinion-gear of lateral pressure device with offset manual crank (also applies to RPG-NH)
- Folding hand lever swivels away for the hold-down clamp (also applies to RPG-NH)

Technical data of RPGL-NH models

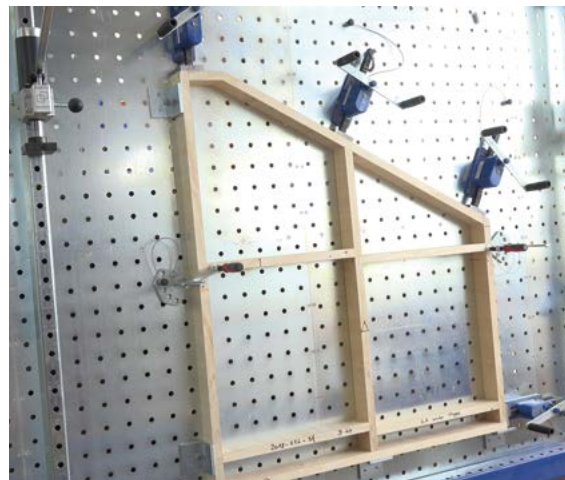
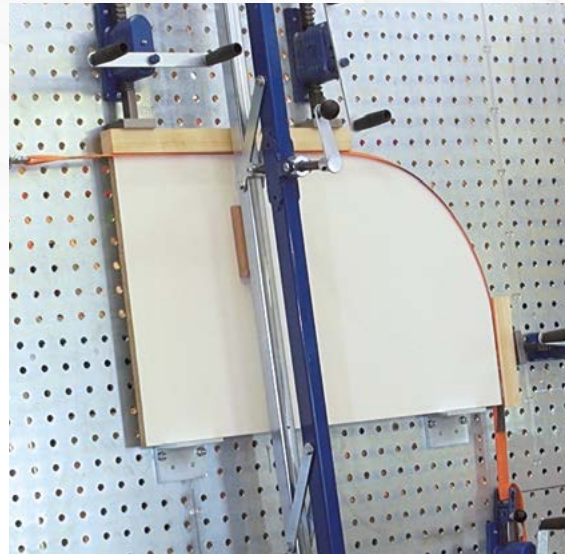
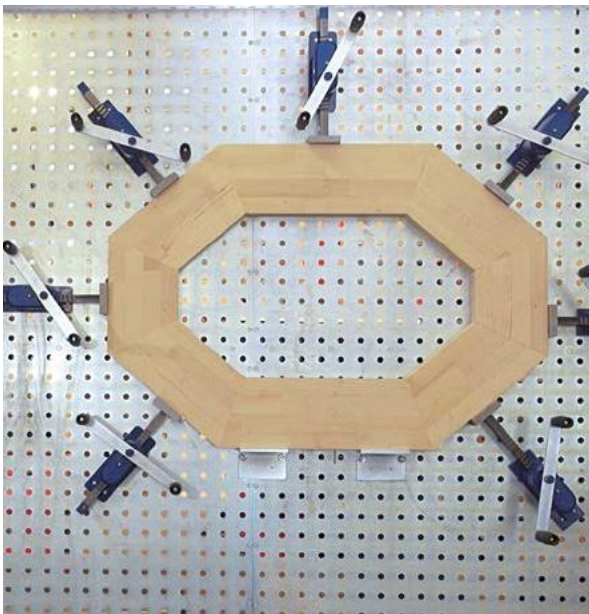
- 6 mm steel hole plate, hole grid 70 mm
- Base frame
- 90° stop
- Guide rails for mobile hold-down clamp
- 2 mobile hold-down clamps




The frame and hole plate combination

MULTI-Press RPGL 20 / RPGL 25

The models of the BARTH Multipress RPGL have not only been designed for bonding.

They are also used as ergonomic assembly device which should be considered when designing the workplace. The BARTH press and assembly center RPGL is based on the base frame of the MULTI-Press RPG and offers many possibilities to perform bonding and assembly tasks quickly and without long changeover times.



- 
System press
 expandable at any time with accessories up to a carcass press (impossible with a rack-and-pinion-gear)
- 
Quick set-up
 tool-free attachment and removal of accessories
- 
Efficiency
 increasing the value-adding time for manual work


Technical data of RPGL 20 models

- Base frame made of a solid steel frame
- Powder-coated surface
- Hole plate integrated in the base frame, 6 mm steel, galvanized surface
- 90° stop for the hole plate level
- 90° stop for the press units level

Technical data of RPGL 25 models

- like RPGL 20 but: Higher 90° stop for the press units level (+500 mm)
- Dimensions, refer to table on page 26




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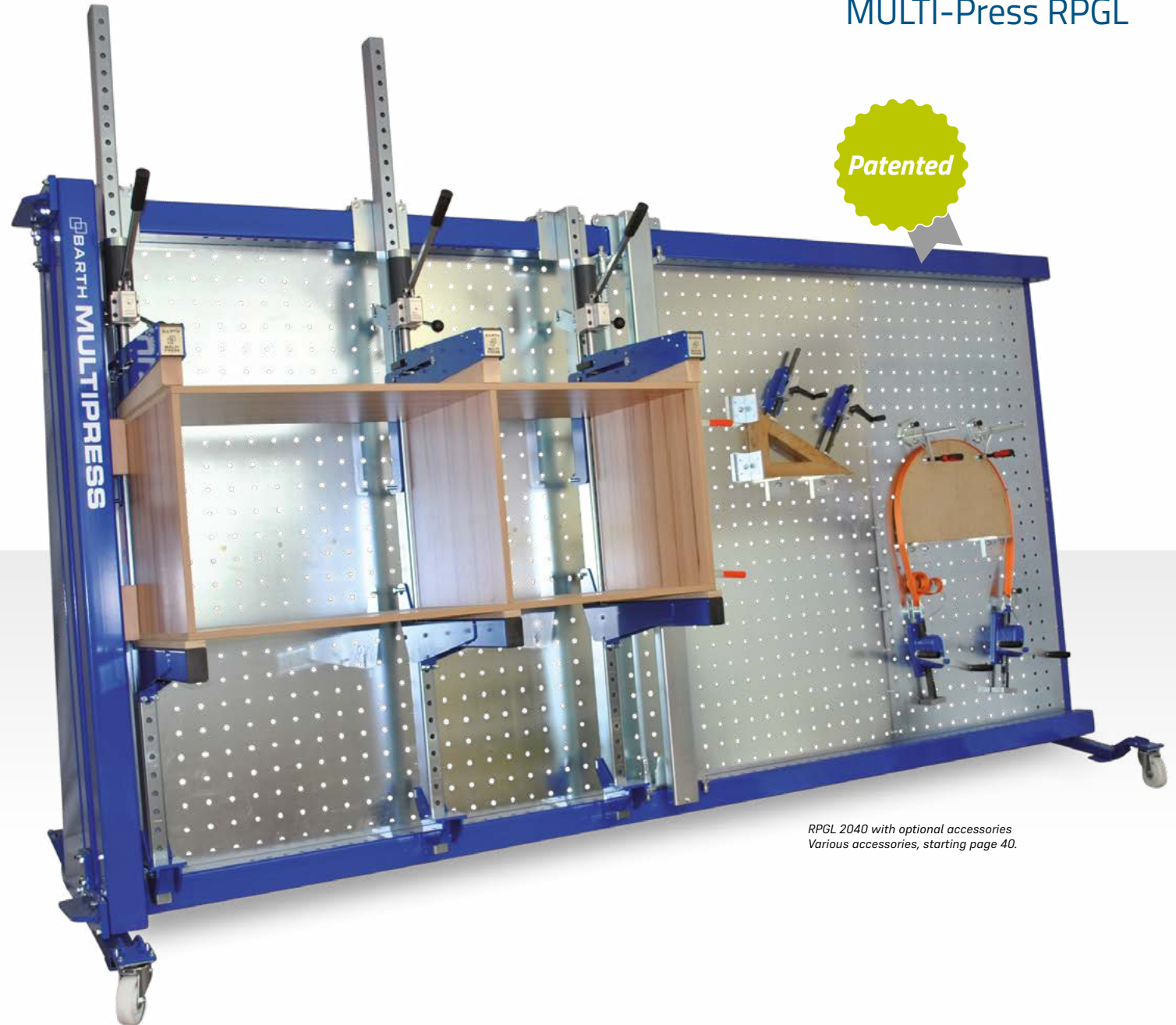
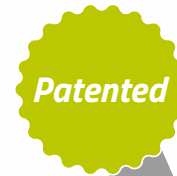
MULTI-Press RPGL



ROBERT RAGER
Staatstheater
Augsburg

"We have chosen a frame press from BARTH as it is incredibly flexible to use. In addition, we ordered the hole plate as it is important to us to press relatively slanting, bulky frames."

For the complete customer statement, visit us on the Internet at:



RPGL 2040 with optional accessories
Various accessories, starting page 40.

User video



The space-saving press center for any bonding work

Bonding center

The best of both worlds for any bonding work - a combination of space saving and efficient! The fusion of a MULTI-press and a vacuum membrane press.

On the one hand, a MULTI press RPG, which can be individually equipped to fit your needs. In addition, you can add accessories at any time to expand it to a carcass press. The hole plate of the RPGL-V provides you with all options for bonding work, offering an extremely versatile range of applications.

On the other hand, you have all the advantages of the CORVUS®-W vacuum press (refer to page 10). Expand your workplace while saving space. When not in use, simply fold up the vacuum press and the support feet secured by a spring bolt.




Your biggest benefit:
You can process several workpieces simultaneously in less time!



Vacuum press with cover plate, to be used as work table



Low space requirement and mobile

- 
System press
expandable at any time with accessories up to a carcass press
- 
Quick set-up
tool-free attachment and removal of accessories
- 
Space-saving
through folding vacuum press



Speed-up option:

Advantages

- higher pressure
- up to 50% shorter press time
- electronically maximised pressure

Additional scope of supply

- vacuum press, lubricated with circulating oil
- Power: 40 m³/h
- Pressure controller: digital type REVO II, Benefits, refer to page 4
- vacuum distributor plate

Technical data of RPG-V models

- Solid base frame
- 90° stop
- Folding vacuum press
- Vacuum press (dry-running)
- 100 l tank

Technical data of RPGL-V models

- 6 mm steel hole plate with 70 mm hole grid

Dimensions, refer to table on page 26

Patented



RPGL-V with hole plate with optional accessories



RPG-V with optional accessories. Various accessories, starting page 40.

User video



- Cover plate for vacuum press (optional)
- Solid base frame powder-coated surface
- Hold-down clamps with trapezoidal spindle (optional)

The creative press

MULTI-Press RPL

With the BARTH hole plate press
RPL your ideas
have no limits.

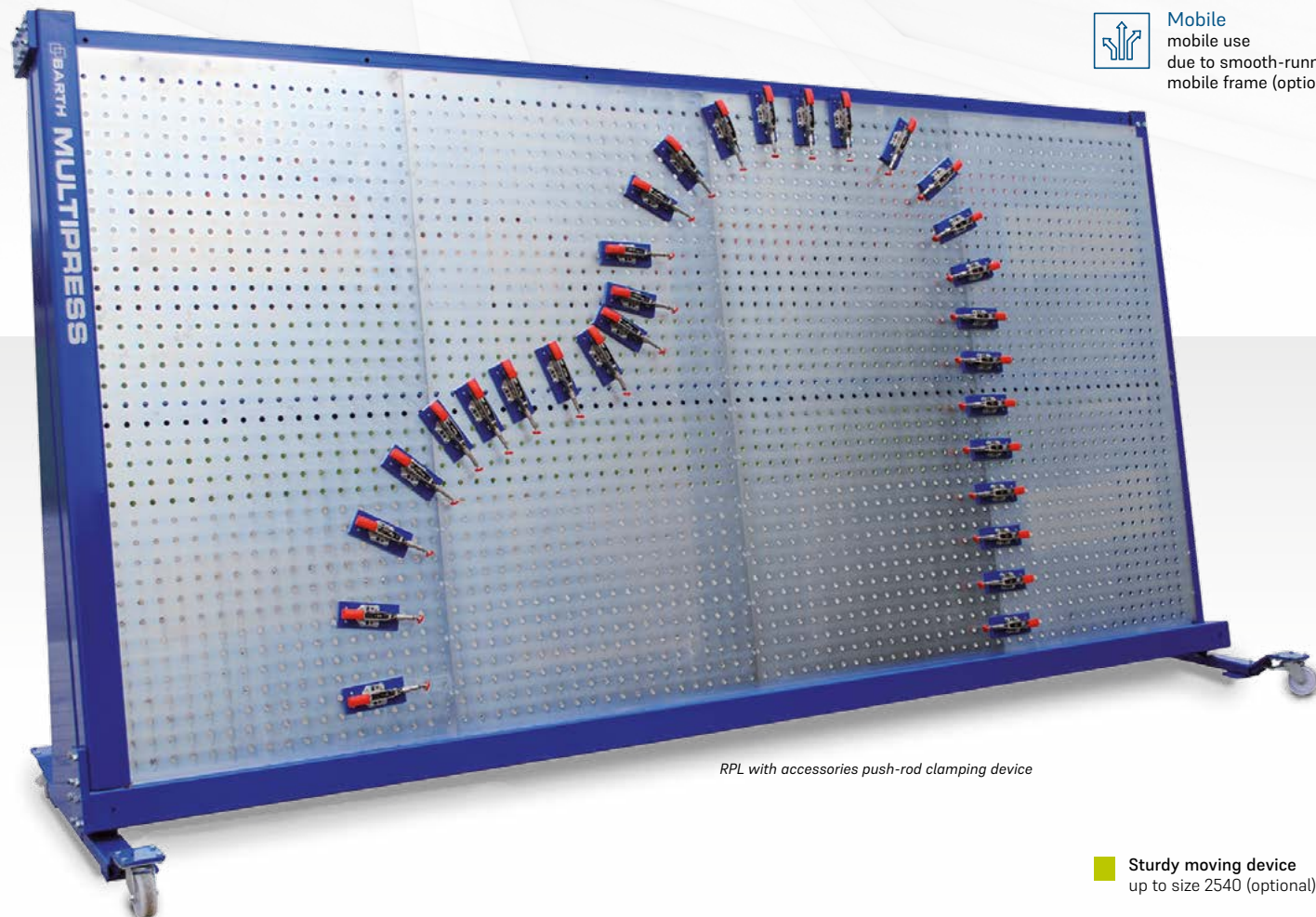
Due to the small hole pitch of 70 mm and the large stroke of the rack-and-pinion gear, any contour can be pressed. The laser-cut precision holes are precisely positioned to 0.1 mm.

The hole plate press is available in various standard sizes (refer to table on page 26). Special solutions are possible on request.

Technical data RPL

- 6 mm steel hole plate, hole grid 70 mm
- 90° stop

Various accessories, refer to page 40
For dimensions, refer to table on page 26



RPL with accessories push-rod clamping device



Adjustable
individual arrangement of bonding tools in a 70 mm hole grid



Mobile
mobile use
due to smooth-running mobile frame (optional)

Sturdy moving device
up to size 2540 (optional)

BARTH press technology

Manual hydraulic cylinder HSH01



Time saving

The time saving and the high pressure allow the use of a glue with short curing times. In this way, a double time saving is achieved!

100 mm stroke

The extended stroke also allows the pressing of dowel connections in large lengths in only one pass. This saves time!

2,000 kg pressing force

Due to the high pressure an even thinner, exact glued joint is achieved! The result is a barely visible glued joint!

2-step pump system

The distance up to the workpiece is covered by a quick stroke. This saves time! For pressure build-up, the system automatically switches to pressure stroke. Thus, the maximum pressure of 2,000 kg is easily reached.

One-hand operation

Clamping and unclamping with one handle! No additional valve for unclamping - simply push the handle upwards. Thus, one hand is free to clamp, hold or position the workpiece.

Overload protection

After reaching the maximum pressure, an overpressure valve protects the entire system, to ensure its longevity!

The ergonomic and technical special hydraulic system, the manual hydraulic clamping system, has been developed by BARTH. When developing this hydraulic clamping system, absolute closeness to practice was right at the top of the specifications. The one-handed operation allows clamping and unclamping with a handle. The operating element was positioned as far down as possible. In doing this, accessibility and ergonomics of the operating lever are significantly improved for larger workpieces.

The manual clamping hydraulics are equipped with an innovative quick stroke and automatic switch-over to the pressure stroke. The large lifting range of 100 mm avoids "repositioning" of the hydraulics with long dowel connections. The large stroke significantly facilitates the equipment of the carcass function.



Retrofittable also for many third party equipment

e.g. retrofitting kit for HESS press
Art. BM-35-03-02-71

Solutions for trade and industry

BARTH press technology innovations

Rack-and-pinion-gear



suitable for	Art.no.
RPW models	BM-35-02
RPG models	BM-60-02

Affordable pressure element, which works purely mechanically with a self-locking gear transmission.

Advantages

- 140 mm stroke
- Pressure approx. 1,000 kg
- very quick stroke

Pro equipment



suitable for	Art.no.
1 circuit unit RPG	BM-60-43
1 circuit unit RPGL	BM-70-43
2 circuit unit RPG	BM-60-44
2 circuit unit RPGL	BM-70-44

Pressure build-up takes place at a central location without any effort using the electrical unit.

eDUAL equipment



suitable for	Art.no.
1 circuit unit RPG	BM-60-45
1 circuit unit RPGL	BM-70-45
2 circuit unit RPG	BM-60-46
2 circuit unit RPGL	BM-70-46

The benefits of the manual hydraulic cylinders and the Pro equipment are combined here. As needed, the cylinder can be actuated manually from the central unit or very comfortably using the electro-hydraulic unit.

Pneumatic equipment



- upon request
- max. pressure 500 kg per cylinder
- various control options
- ideal for large-scale production

Instant information at:
 +49 8621 5050 600 or
info@barth-maschinenbau.de

Accessories

Thanks to the BARTH modular system, your BARTH MULTI-press adapts to the growing requirements. For example, various attachments can convert a simple bonding press into a frame or even a carcass press. With the BARTH MULTI-press system press, there is no reason why an order-related extension should not be possible - an important decision-making criterion.

Press units

Rack-and-pinion gear



suitable for	Art.no.
RPG models	BM-60-02
RPW models	BM-35-02

Manual hydraulic cylinder



suitable for	Art.no.
RP models	BM-35-03
RPG (L) 20 models	BM-60-03
RPG (L) 25 models with higher clamping dimension	BM-60-07
RPG-NH models	BM-65-03

Central hydraulic cylinder



suitable for	Art.no.
RP-Comfort / RP-Pro	BM-55-04
RPG (L/NH) 20 Comfort/Pro	BM-60-04
RPG (L/NH) 25 Comfort/Pro with higher clamping dimension	BM-60-08

DUAL hydraulic cylinder



suitable for	Art.no.
RPG (L) 20 DUAL/eDUAL	BM-60-06
RPG (L) 25 DUAL/eDUAL with higher clamping dimension	BM-60-09
RPG-NH models	BM-65-06



Lateral pressure devices

with 2 rack-and-pinion-gears



suitable for	Art.no.
RP (W) models	BM-35-20
RPG/RPGL models	BM-70-20
RPG 25 models	BM-60-23
RPG-NH models	BM-65-20

with 2 manual hydraulic cylinders



suitable for	Art.no.
RP models	BM-35-22
RPG/RPGL models	BM-70-22
RPG 25 models	BM-60-25
RPG-NH models	BM-65-22

90° stop to attach



suitable for	Art.no.
RPG (L) 20 models	BM-60-29
RPG (L) 25 models with higher clamping dimension	BM-60-31

Hold-down clamps

Hold-down clamp



suitable for	Art.no.
RP models	BM-35-10

Hold-down clamp plus



suitable for	Art.no.
RPG models	BM-60-11
RPGL (press unit level)	BM-70-12

Various accessories

Carcass top tensioner



suitable for	Art.no.
all except RPW	BM-35-42
Carcass set: 1x carcass top tensioner and 1x carcass support	BM-35-46

Carcass support



suitable for	Art.no.
all models	BM-35-41
Carcass set: 1x carcass top tensioner and 1x carcass support	BM-35-46

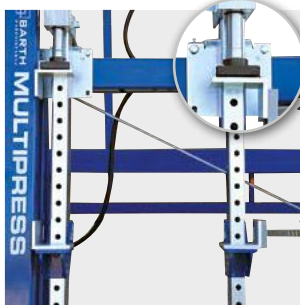
Movable frame



suitable for	Art.no.
RP / RPW models	BM-35-55
reinforced version	BM-70-55



Mitre bonding device



suitable for	Art.no.
all models Set, includes 4 brackets	BM-35-57

Swivel-mounted shoe ± 30°



suitable for	Art.no.
all models	BM-35-56

Drawer set resp. with 150 mm support shoe



Pressure point offset for...	Art.no.
30 mm	BM-35-43
50 mm	BM-35-45



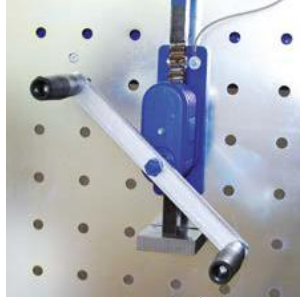
Accessories for 6 mm steel hole plate (hole diameter 15.5 mm)

Rack-and-pinion gear, small



	Art.no.
small	BM-70-49

Rack-and-pinion gear, large, for hole plate



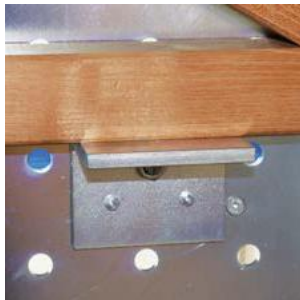
	Art.no.
large	BM-70-33
large with belt retainer	BM-70-05

Belt with turnbuckle



	Art.no.
Length 3,000 mm	BM-70-05-0300

Support



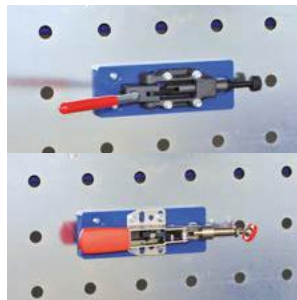
	Art.no.
360° pivotable	BM-70-34

Vertical clamping device

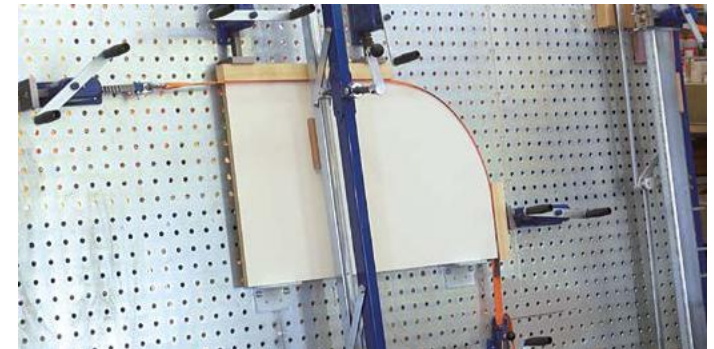
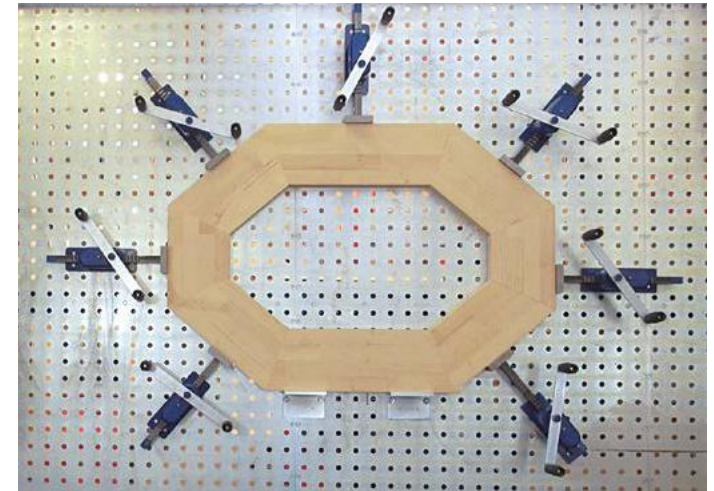


	Art.no.
with 2K handle, jaw capacity, clamping height 200 mm	BM-70-38

Push rod clamping device



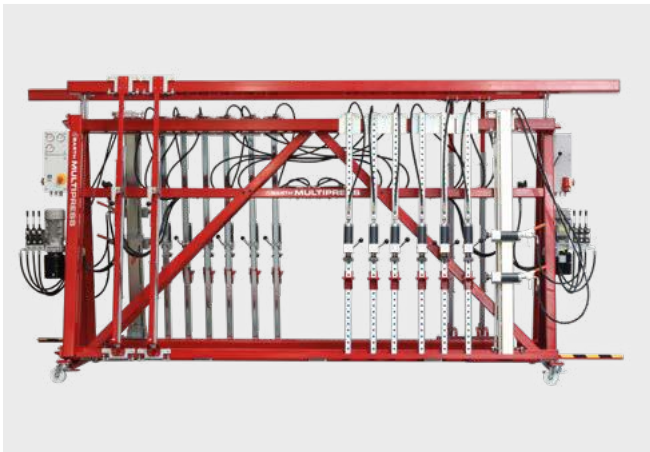
	Art.no.
without spring	BM-70-36
with spring	BM-70-37



More than 30 years of experience

Custom solutions for frame and bonding presses





Welcome to our new website!

BARTH Online

Advantages:

- Price promotions right on the homepage
- Current product and user videos
- Our complete and product catalogues to browse through
- User reports and references



BARTH

References

Trade ...



Schubbauer GmbH
www.schubbauer-gmbh.de



Margreiter GmbH
www.margreiter-moebelmanufaktur.com



Schreinerei Dandl KG
www.schreinerei-dandl.de



Linnemann
www.linnemann-einrichtungen.de



Athmer & Söhne
www.athmer-und-soehne.de



Weishäupl Werkstätten
www.weishaeupl.de

Industry ...



Oldenburger Möbelwerkstätten GmbH
www.oldenburger.com



Palmberg Büroeinrichtungen
+ Service GmbH
www.palmberg.de



Energiesparen und Klimaschutz serienmäßig

Wolf GmbH
www.wolf.eu



a family affair since 1877

Barth Brixen
www.barth.it



Design Composite GmbH
www.design-composite.com



Viessmann Gesellschaft m.B.H.
www.viessmann.at



REFERENCES

www.barth-maschinenbau.de/referenzen



Customer statements



**Wolfgang Kaiser –
PKS Möbel Platten Schnitt
A-Rohrbach a.d.L.**

"We previously placed the parts on transport trolleys and fixed them with long clamps, which required some effort. Now all workpieces can be clamped and glued quickly and cleanly by just one person. The angles are always exact, eliminating the need for time-consuming control measurements. Thanks to hydraulic clamping, significantly more force is applied than with clamps, and everything works more precisely."



**Thomas Huber –
Bau- & Möbeltischlerei, Kirchbichl**

"A very important investment for us was the acquisition of, among other things, the vacuum units from BARTH – stand-alone or mounted directly on the workbench. They really pay off! The gain in surface quality is brilliant, the added value is enormous! There are a lot less scratches on the workpieces. Each part is optimally fixed and can then be processed further."



**Lorenz Mayer –
Schreinerei Daxenberger, Riedering**

"We couldn't save any more time," says Lorenz Mayer, managing director of Schreinerei Daxenberger who is pleased about the purchase of the BARTH MULTI-Press bonding press."



**David Grohe -
Tischlerei Rüscher, A-Schnepfau**

"It is always impressive to see how evenly and powerfully the pressure is distributed," explains David Grohe. The fact that the negative pressure also helps with the curing time is of course an additional advantage. The vacuum press impresses us again and again with every project! It runs smoothly and can be folded up quickly, creating space - e.g. for carcass parts waiting for delivery."

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PRESS TECHNOLOGY 2024

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Innovative products | Regional suppliers
High value in use | Made in Germany