

# INNOVATIONS

BARTH > Catalogue 2020 > English

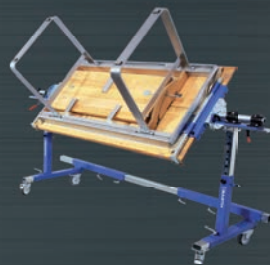
# 20.0



LIFTING TABLES



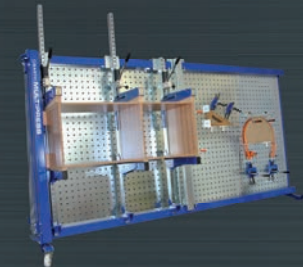
ASSEMBLY TABLES



TURNING/ROTATING



VACUUM PRESSES



BONDING PRESSES



GRINDING MACHINE

LIFTING TABLES | WORK TABLES | VACUUM PRESSES | BONDING PRESSES

# Benefit from our experience



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Google Maps:



EXPERIENCE BARTH

## Ask us - we will be glad to assist you:

- › in selecting the right lifting table and work table
- › in optimizing your bench area
- › in finding a solution for your assembly problems with our tailor-made press solutions
- › for difficult applications with our vacuum presses

We are looking forward to your visit.

## Opening hours

**Monday – Thursday:**

8 am – 12 am and

1 pm – 5 pm

**Friday:**

8 am – 1 pm

Instant information:

 +49 8634 9827 0

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## LIFTING TABLES



06

## WORK/ASSEMBLY TABLES



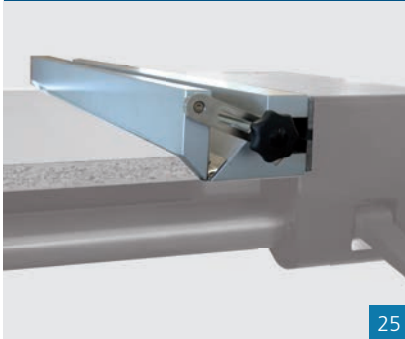
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## WORKPLACE DESIGN



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## MULTI-PRESSES



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## GRINDING MACHINE



60

# Optimize your assembly workplace!

## Profits are hidden at any workplace.



USER VIDEO  
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The video shows a modern, ergonomic and above all economical assembly workplace. See for yourself!



### Our claim:

Quality and function in harmony – we fulfil **your highest demands in terms of product quality** and functional-

ity and thus meet the high European requirements for the suitability of our products.

### Our service:

The **consulting and service tailored to your needs** is the basis of our activities.

### Quality made in Germany:

Design and development in Germany

### Functional ergonomics:

for protection of your health and preservation of your capacity to work.





# Overview of BARTH lifting and assembly tables

INNOVATION

H 300

Page 06



- › Worktop: 1,245 x 740 mm
- › Max. load: 300 kg

H 350 XL

Page 08



- › Worktop: 2,000 x 1,015 mm
- › Max. load: 350 kg

H 600 / H 850

Page 10



- › Worktop: 2,000 x 1,015 mm
- › Max. load: 600 / 850 kg

H 1000

Page 12



- › Worktop: 2,000 x 1,015 mm
- › Max. load: 1,000 kg

vakuuLIFT-S

Page 14



- › Worktop: 2,000 x 1,015 mm
- › Max. load: 350 kg

vakuuCAR

Page 16



- › Worktop: 1,350 / 1800 x 800 mm
- › Max. load: 75 kg

vakuuSYST SWING

Page 19



# Essential helper for any workshop

## Lifting table H 300

**This lightweight and flexible lifting table is ideal as little helper in your workshop.** This table may be used for storing parts or for transporting smaller parts from one machine to another. The large adjustment range always ensures the optimum working height.



*solid welded construction of the cylinder holder (maximum shear force 1.2 t)*



### EASY TO HANDLE

perfect size and weight for a transport cart, with milled grips in the worktop



### EXTREMELY VERSATILE

the steering rollers allow longitudinal or cross movements, for long parts, 2 steering rollers can be locked in this direction.



### STURDY

hydraulics with overload protection



### MOBILE

smooth-running casters having a diameter of 125 mm



### LARGE ADJUSTMENT RANGE

#### Base version lifting table 300

- > Multiplex worktop with 2 grips, 1,245 x 740 mm
- > Load 300 kg
- > Base frame in solid construction
- > Foot-pumped hydraulic system with overload protection
- > 2 steering rollers with brake Ø 125 mm
- > 2 steering rollers with direction lock 125 mm Ø
- > Delivery in a ready assembled condition
- > Footprint L x W x H: 1,350 x 740 x 490 – 1,070 mm

**Variant** work table H 300 accuDRIVE

**Variant** work table H 300 eDRIVE

## Lifting table H 300

Different types of height adjustment are available

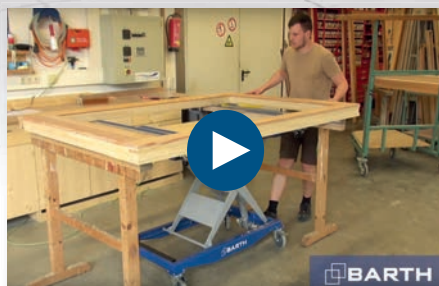


> eDRIVE variant

> accuDRIVE variant



> Standard foot-pumped hydraulic system



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[www.barth.tv](http://www.barth.tv)



Large adjustment range  
from 490 mm - 1.070 mm 01

Foot-pumped hydraulic system  
comfortable and smooth-running  
with overload protection 02

High-quality castors  
smooth-running, 2x with brake  
and 2x with direction lock 03

Sturdy base structure  
optional with transport support  
for forklift forks 04

Solid worktop  
birch multiplex, 1,250 x 740 x 24 mm.  
Optional hole plate 1,500 x 800 x 30 mm,  
(BH-17-70) 05



# The flexible "trestle substitute" and assembly table

## Lifting and work table series XL

**The lifting and work table H 350 XL is a modern, mobile work table with large worktop**

which individually and ergonomically adapts to your workpieces and especially to your posture. The height is adjusted by a foot-pumped hydraulic system which can

be operated from both longitudinal sides. The easy-to-operate hydraulic unit always drives the work top to the desired height position. The large adjustment range from 500 mm to 1,150 mm offers you the advantage that both small and large workpieces can be processed at a comfortable working height.



**Lifting table H 350 XL with hole plate and various accessories (optional)**



**Longitudinal pull-out (optional) on both sides, 550 mm each**



**Recommendation Accessory kit**  
wooden hole plate 3x rack-and-pinion gear small, 4x stop block, 2x vertical clamping device (BH-12-35)

Various additional accessories refer to page 23



**Variant of work table H 350 XL accuDRIVE**

> The work table H 350 XL is now also available as battery-operated variant for mains-independent use.!



**Variant of work table H 350 XL eDRIVE**

> Work table H 350 XL eDRIVE with electrical height adjustment



### ERGONOMIC

always adjustable to the appropriate height



### COMFORTABLE

foot-pumped hydraulic system, operable on both sides



### QUALITY

sturdy steel structure  
foot pump with overload protection  
powder-coated surfaces



### FLEXIBLE

with Multiplex worktop  
1,015 x 2,000 mm, optionally  
extendable with longitudinal pull-outs



### MOBILE

large sized 125 mm Ø steering  
rollers, 2 with brake and  
2 with directional lock

### Base version lifting table H 350 XL

- > H 350 XL with multiplex plate 2,000 x 1,015 x 24 mm, load capacity 350 kg
- > Base frame in solid construction
- > Foot-pumped hydraulic system with overload protection
- > Operation of hydraulic system on both sides
- > 2 steering rollers with brake Ø 125 mm
- > 2 steering rollers with direction lock 125 mm Ø
- > Footprint L x W x H: 2,000 x 1,015 x 500 to 1,120/1,150 mm (accuDRIVE or eDRIVE) Foot-pumped hydraulic system

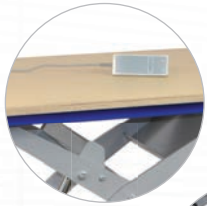
**Variant** Work table H 350 XL accuDRIVE with multiplex plate, load capacity 300 kg

**Variant** Work table H 350 XL eDRIVE with multiplex plate, load capacity 250 kg



# Lifting table H 350 XL

## Different types of height adjustment are available



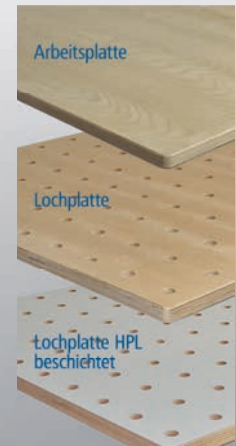
> eDRIVE variant



> accuDRIVE variant



> Standard foot-pumped hydraulic system



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BARTH

## Available worktops

- > Worktop BH-10-88: 2,000 x 1,015 x 30 mm
- > Hole plate BH-30-24-2010: 2,000 x 1,015 x 30 mm
- > Hole plate HPL-coated BH-30-29-2010: 2,000 x 1,015 x 30 mm

High-quality castors  
smooth-running, 2x with brake  
and 2x with direction lock

Foot-pumped hydraulic system  
on both sides, operable on both  
longitudinal sides with overload protection

Sturdy base structure  
height adjustable: 500–1,150 mm

Sturdy scissors-type structure  
for uniform load holding

Worktop  
Standard: 2,000 mm x 1,015 mm  
expandable with longitudinal and cross  
pull-outs to max. 3,200 x 2,200 mm

# The power package with quick stroke

## Lifting table H 600 / H 850

**The work and lifting tables of the 600 or 850 series handle more weight without any problems.**

Workpieces up to a weight of 600 kg or 850 kg can be processed, lifted and transported without any problems. Height adjustment is ensured by a 2-step quick stroke hydraulic system and can be adjusted continuously from 450 mm to 1,100 mm.



The foot pump chooses automatically the right step:

1st step:  
Quick lift for small loads  
2nd step:  
Easy lift for loads of 600 kg  
or 850 kg



### Base version of lifting table H 600 / 850

- > Lifting table 600, without worktop,  
Load capacity 600 kg
- > Lifting table 850, without worktop,  
Load capacity 850 kg
- > 2 steering rollers with brake
- > 2 castors
- > 2-step foot-pumped hydraulic system,  
optionally attached to the front or  
longitudinal side
- > Footprint L x W x H:  
2,000 x 1,015 x 450 – 1,100 mm

Various accessories such as hole plates, longitudinal pull-outs are available. See from page 23



## Lifting table H 600 / H 850

**SMOOTH-RUNNING**

2-step quick stroke hydraulic system with automatic speed adjustment

**MOBILE**

2 steering wheels fitted with a brake 2 castors

**ERGONOMIC**

the suitable working height can always be selected between 450 - 1,100 mm

**STURDY**

solid steel structure, powder-coated surfaces

**FLEXIBLE**

depending on the application, with optional extensions, with adjustable size



Lifting table H 850 with optional worktop

**Available worktops**

- > Worktop BH-10-88: 2,000 x 1,015 x 30 mm
- > Hole plate BH-30-24-2010: 2,000 x 1,015 x 30 mm
- > Hole plate HPL-coated BH-30-29-2010: 2,000 x 1,015 x 30 mm
- > Steel hole plate 6 mm on multiplex plate 2,000 x 1,015 mm



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**Comfort**

The foot pump chooses automatically the right step:  
1. step: Quick lift for small loads  
2nd step: Easy lift for loads up to 600 kg or 850 kg

02

**Sturdy scissors-type structure**  
for uniform load holding

04

**High-quality castors**  
smooth-running, 2x with brake  
and 2x fixed castors

01

**Solid, torsion-resistant  
base structure**  
height adjustable: 450–1,000 mm

03

**Optional worktop or hole plate**  
2,000 x 1,015 x 30 mm. With longitudinal  
pull-outs of 550mm on both sides available.  
Accessories for hole plate, refer to page 23

05

## H 1000 accuDRIVE / eDRIVE



NEW



## Base version lifting table H 1000

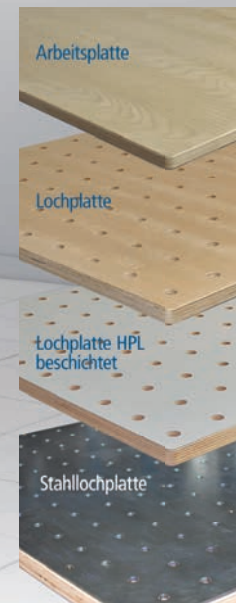
- > accuDRIVE with 12V hydraulic unit
- > eDRIVE with 230V hydraulic unit
- > Operation by foot switch
- > Load capacity 1,000 kg
- > 2 steering rollers with brake
- > 2 castors
- > Bellow
- > Optional worktop
- > L x W x H: 2,000 x 1,015 x 450- 1,100 mm



Lifting table H 1000 accuDRIVE

## Available worktops

- > Worktop BH-10-88: 2,000 x 1,015 x 30 mm
- > Hole plate BH-30-24-2010: 2,000 x 1,015 x 30 mm
- > Hole plate HPL-coated BH-30-29-2010: 2,000 x 1,015 x 30 mm
- > Steel hole plate 6 mm on multiplex plate 2,000 x 1,015 mm



High-quality castors  
smooth-running, 2x with brake  
and 2x fixed castors

01

Solid, torsion-resistant  
base structure  
height adjustable: 450–1,000 mm

03

Remote control (optional)

05

Lockable main switch

02

Sturdy scissors-type structure  
for uniform load holding

04

(Optional) worktop or hole plate  
2,000 x 1,015 x 30 mm. With longitudinal  
pull-outs of 550 mm on both sides available.  
Accessories for hole plate, refer to page 23

06



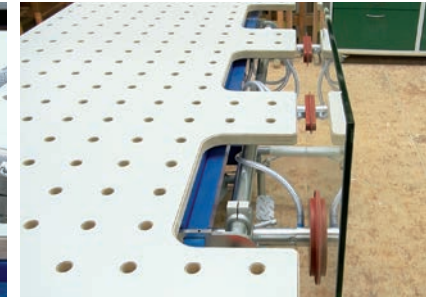
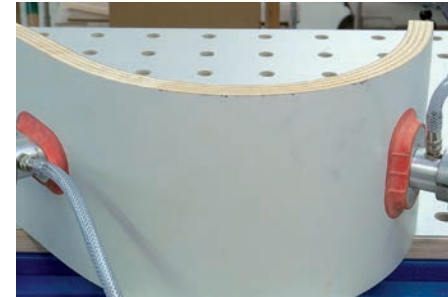
# Safe clamping in seconds: Vacuum suction cups from BARTH

- › Reliable and safe clamping
- › Clamping in seconds by positioning the workpiece
- › Releasing by foot switch
- › Protecting sensitive surfaces
- › Clamping without any marks and without any silicone residues

Mobile to follow the work - BARTH work tables are mobile! They follow the workpieces to any place in the workshop.



Instant information:  
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# The perfect assembly table for flexible applications

## vakuuLIFT-S

Equipped with 3 flat vacuum suction cups, the vakuuLIFT-S assembly table is an ergonomically optimal work and assembly table for maximum loads.

Each flat suction cup is individually height-adjustable and pivotable by 90°. Height-adjustment is performed by a smooth-running hydraulic foot pump, switching automatically between quick and lifting stroke. The smooth-running high-quality rollers provide maximum mobility.

The hole plate can be used for pressing and assembly



vakuuLIFT-S with optional longitudinal pull-out

### Work table vakuuLIFT-S SET

(BH-31-06) in addition to base version:

- HPL hole plate
- Longitudinal pull-outs (on each side 550 mm)



#### SILICONE-FREE

silicone-free suction cups for clamping without any marks



#### MOBILE

mobile and flexible use for customized applications



#### ERGONOMIC

flexible work height due to height adjustment on the base unit and on the suction cups



#### PIVOTABLE

pivotable rotary axis (90°) for horizontal and vertical clamping



#### FLEXIBLE

different sizes of suction cups can be fitted



#### UNIVERSAL USE

the worktop can be extended to a surface of 7 m² with the optional longitudinal pull-out and pull-out rails.

### Base version vakuuLIFT-S

- Base: Lifting table 350 XL
  - 3 vacuum suction cups with quick coupling: 190 mm round, 250x80mm, 240x45 mm
  - Vacuum pump 230V, 3 m³/h
  - Outlet strip
  - Foot pedal on both longitudinal sides
  - Support
  - Multiplex worktop 2,000x1,015 mm
  - Footprint Lx WxH: 2,000 x 1,060 x 550 – 1,150 mm
- Also available with HPL-coated hole plate 2,000x1,015x30 mm

Accessories refer to page 23



„The bench area optimization that we carried out with BARTH started with the first vakuuLIFT about 3 years ago. Before that, we made experiments with simple lifting tables. But then we came to the conclusion that only the full version with vacuum clamping device and accessory program made sense for us. This solution convinced us and, meanwhile we have equipped all manual workstations with the vakuuLIFT.

**Berhard Daxenberger,**  
managing director of  
**Schreinerei Daxenberger**  
in Seon



USER VIDEO  
[www.barth.tv](http://www.barth.tv)



vakuuLIFT-S SET with optional accessories

**Integrated vacuum rotary axis**  
for progressive clamping  
of workpieces (0° - 90°) **01**

**Foot-pumped hydraulic system**  
on both sides, operable on both  
longitudinal sides with overload protection **02**

**High-quality castors**  
smooth-running, 2x with brake  
and 2x with direction lock **03**

**Vacuum pump**  
powerful electrical  
vacuum pump 120 W with  
dust filter and foot valve **04**

**Perforated worktop**  
worktop 2.000 x 1.015 mm  
HPL coated (SET variant) **05**

**3 flat vacuum suction cups**  
with extra soft and flexible sealing  
lips, gentle on the workpiece and sili-  
cone-free, with quick-change system **06**

**Longitudinal pull-outs**  
The work area can be extended by  
550 mm using the longitudinal  
pull-outs (SET variant) **07**

**Pull-out rails**  
the optional pull-out rails can be used  
to extend the worktop by 550 mm in width  
with each rail **08**

**Support**  
heavy workpieces can be placed on the  
adjustable tray angles. **09**

**Sturdy base structure**  
scissors made of solid square tubes  
Adjustment range: 550 - 1,150 mm **10**



# The mobile work and assembly table

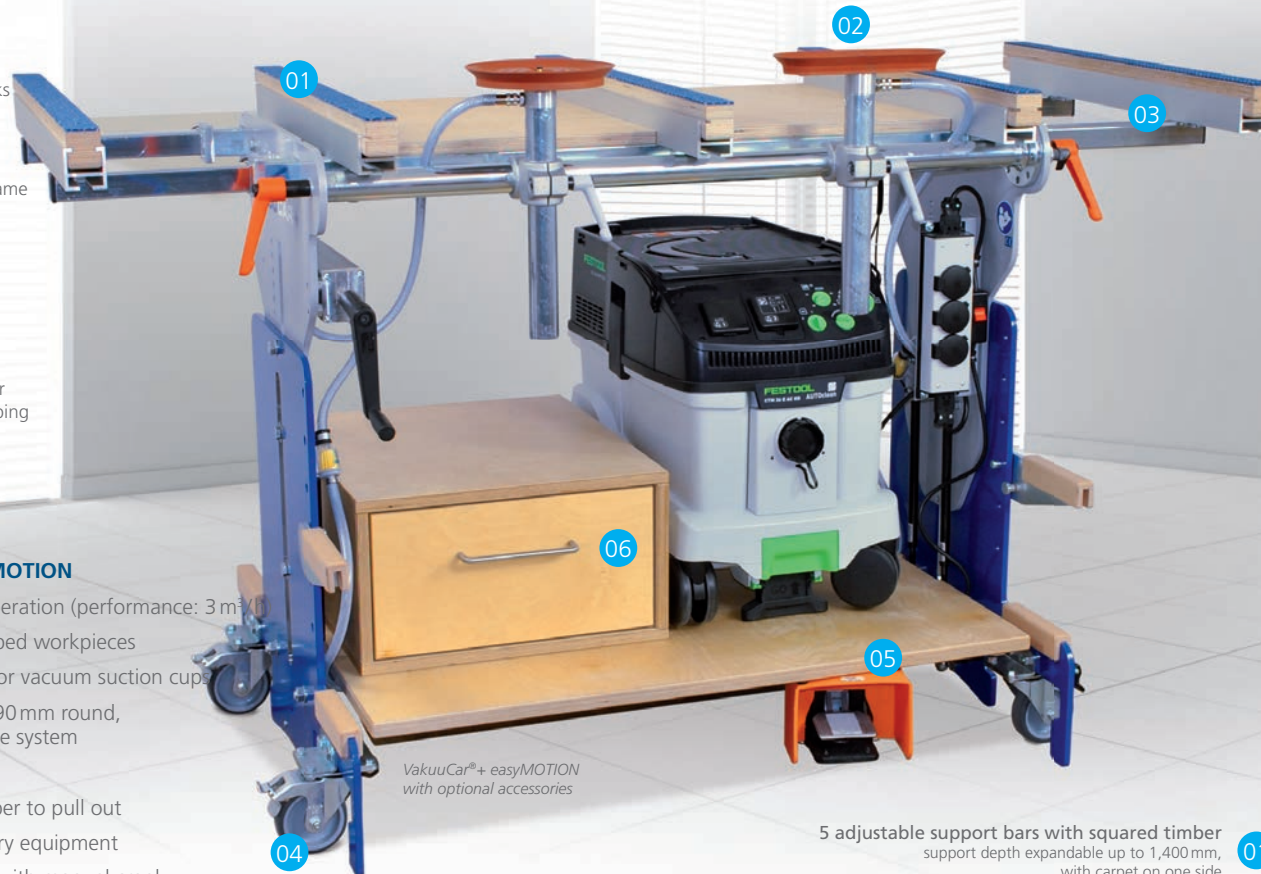
## VakuuCar®+

- 
**SILICONE-FREE**  
 vacuum suction cups for powerful clamping of the workpiece without any marks
- 
**MOBILE**  
 freely usable due to the smooth-running movable frame
- 
**QUALITY**  
 powder-coated steel parts, dry-running vacuum pump
- 
**PIVOTABLE**  
 pivotable rotary axis (90°) for horizontal and vertical clamping

### Base version VakuuCar®+ easyMOTION

- > Vacuum pump for continuous operation (performance: 3 m³/h)
- > Foot valve for releasing the clamped workpieces
- > Base frame with 90° rotary axis for vacuum suction cups
- > 2 flat vacuum suction cups: 1 x 190 mm round, 1 x 250 x 80 mm with quick-change system
- > Pull-outs +450 mm on both sides
- > 5 support bars with squared timber to pull out
- > Integrated socket strip for auxiliary equipment
- > EasyMOTION height adjustment with manual crank
- > In 6 positions adjustable bench dogs as support
- > Footprint L x W x H: 1,350 x 800 x 850 or 2,100 x 1,400 x 1,050 mm

Additional accessories refer to page 22



USER VIDEO  
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5 adjustable support bars with squared timber  
support depth expandable up to 1,400 mm,  
with carpet on one side **01**

2 flat vacuum suction cups  
with extra soft and flexible sealing lips,  
gentle on the workpiece and silicone-free, with quick-change system **02**

Pull-outs on both sides  
each side +450 mm **03**

High-quality castors  
smooth-running, 2x with brake  
and 2x with direction lock **04**

Vacuum pump  
powerful electrical vacuum pump 120W  
with dust filter and foot valve **05**

Space  
plenty of space for tools, vacuum cleaner or  
optional drawers (accessories on page 22) **06**



# The workpiece profile – perfect for paint preparation

## VakuuCar® XL



### FLEXIBLE

vacuum cups in different sizes allow the clamping of the most different form



### ERGONOMIC

height-adjustable worktop on base unit and vacuum cups



### TIME-SAVING

efficient work processes save time

### Base version VakuuCar®XL easyMOTION

- > Base frame with 90° rotary axis for vacuum suction cups
- > 3 flat vacuum suction cups: 1x 190 mm round, 1x 250x80 mm, 1x 240x45 mm with quick-change system
- > Vacuum pump 120W, 230V, 3 m³/h, with dust filter
- > easyMOTION height adjustment with manual crank
- > 4 support bars with squared timber to pull out
- > Worktop with 3 cutouts for vacuum suction cups
- > Integrated socket strip for auxiliary equipment
- > In 6 positions adjustable bench dogs as support
- > Footprint L x W x H: 1,800 x 800 x 874 – 1074 mm

Also available with hole plate 2,000x800x30 mm (refer to accessories on page 22)



VakuuCar® XL easyMOTION  
with optional accessories

**Worktop(pluggable)**  
Also available: coated hole plate or suction hole plate with suction connection

**3 flat vacuum suction cups**  
with extra soft and flexible sealing lips, gentle on the workpiece and silicone-free, with quick-change system

**Container with 2 drawers**  
(optional, refer to accessories page 22)



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**Longitudinal pull-out**  
(optional)

**Vacuum pump**  
powerful electrical vacuum pump 120W with dust filter and foot valve

**High-quality castors**  
smooth-running, 2x with brake and 2x with direction lock

The vakuuSYST® is an ergonomic makeover for your bench.

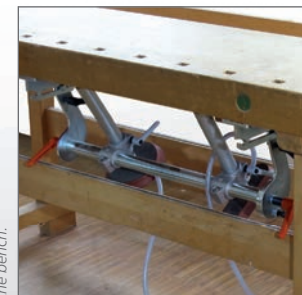
vakuuSYST® can simply be screwed under the bench and, as need be, be brought to its working position with only one move of the hand. Equipped with a height- and tilt-adjustable vacuum suction cup, the vakuuSYST® clamps the workpiece in seconds and fixes it securely in the optimal working position. Just place the workpiece on the vacuum suction cup and it's clamped as, when placing the workpiece, the pushbutton valve specially developed by BARTH for everyday use in woodworking operations automatically enables the suction cup. Processing may begin immediately at optimum working position. Pressing the foot switch releases the vacuum.

## Your workbench starts its career VakuuSYST® 3.15 SET



vakuuSYST 3.15 SET

Space-saving, folded down below the bench.



45° position



### Base version vakuuSYST® 3.15 SET

- > 1 electrical vacuum pump with dust filter
- > 1 solid support for assembly to an existing bench
- > required length between collets 940 mm
- > 1 flat vacuum suction cup Ø approx. 190 mm 1 vacuum suction cup 250 x 80 mm installed on pivotable axis
- > Foot valve

Bracket with rotary axis  
0 - 90° pivotable 01

Vacuum pump 02

Foot valve 03

Flat vacuum suction cup 04



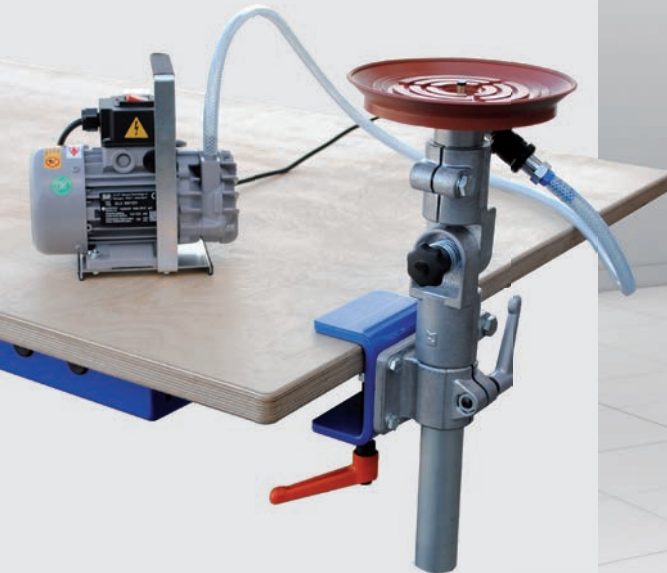
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# VakuuSYST® 180

Flexibly clamped to any worktop.  
Also perfect on site.



## Base version VakuuSYST 180

- > El. vacuum pump 230 V
- > 1 flat vacuum suction cup, round 190 mm
- > Manual slide valve
- > Joint 180°
- > Table clamping for worktops up to 50 mm

# Clamping with ball joint VakuuSYST® SWING



*vakuuSYST® SWING  
with vacuum pump*

- 90° pivotable ball joint  
pneumatically locked up to 25 kg **01**
- Height adjustment +280 mm **02**
- Foot valve  
for releasing the clamped workpieces **03**
- Foot valve  
for releasing the vacuum **04**
- Foot lever  
for hydraulic system **05**

## Base version vakuuSYST® SWING

- > Hydraulic height adjustment
- > Pneumatically lockable ball joint
- > Suction cup holding tube with 2 cross clamps KV40
- > 1 flat suction cup round 190 mm, 1 flat suction cup oval 240x45 mm, each suction cup with quick change system
- > 1 foot valve each for pneumatic system and vacuum
- > Vacuum pump, optionally
- > Footprint LxWxH 650x460x840 – 1,120 mm

Various suction caps are additionally available, refer to page 25



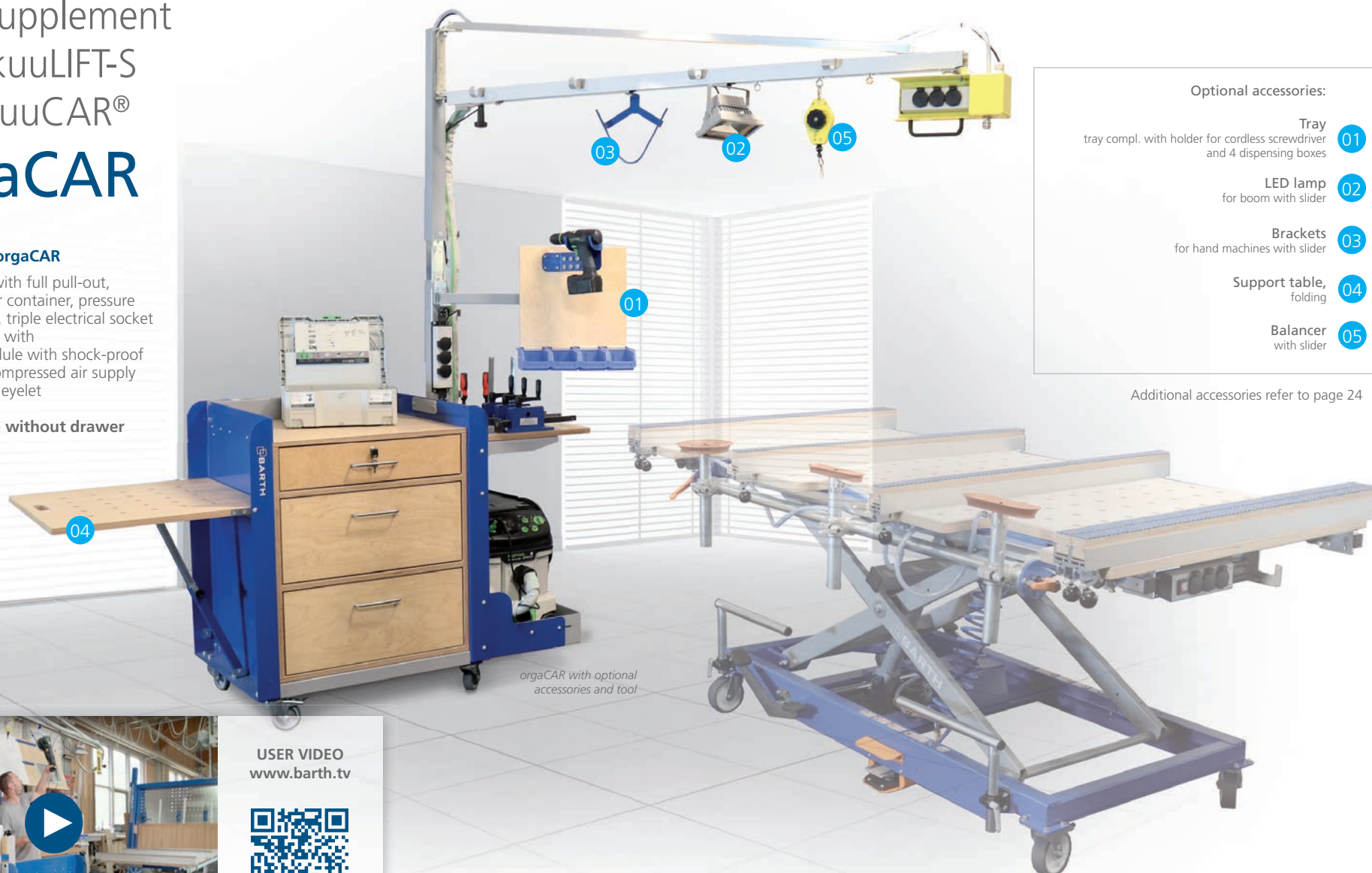
# Ideal supplement for vakuuLIFT-S or VakuuCAR® orgaCAR

## Base version orgaCAR

Solid drawers with full pull-out,  
vacuum cleaner container, pressure  
element holder, triple electrical socket  
strip and boom with

- › 1 energy module with shock-proof  
socket and compressed air supply
- › 2 sliders with eyelet

Also available without drawer  
insert



orgaCAR with optional  
accessories and tool

### Optional accessories:

- Tray  
tray compl. with holder for cordless screwdriver  
and 4 dispensing boxes **01**
- LED lamp  
for boom with slider **02**
- Brackets  
for hand machines with slider **03**
- Support table,  
folding **04**
- Balancer  
with slider **05**

Additional accessories refer to page 24



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# Ergonomics individually organised

## APS-ORGA II

**TIME-SAVING**

due to optimum organisation at the workplace

**QUALITY**

base frame made of solid steel, powder-coated surface

**FLEXIBLE**

with movable lifting table

### Base version APS- ORGA II

- > Base frame
- > Back panel not equipped
- > Plan holder

**01** Sturdy  
solid worktop with 2300x740x50 mm  
multiplex beech

**02** Plan holder  
continuously adjustable  
with 2 steel belts for magnets

**03** Storage space  
The space underneath the worktop is  
free! i.e. tools or optional roll containers  
can be stored.

**04** Back panel

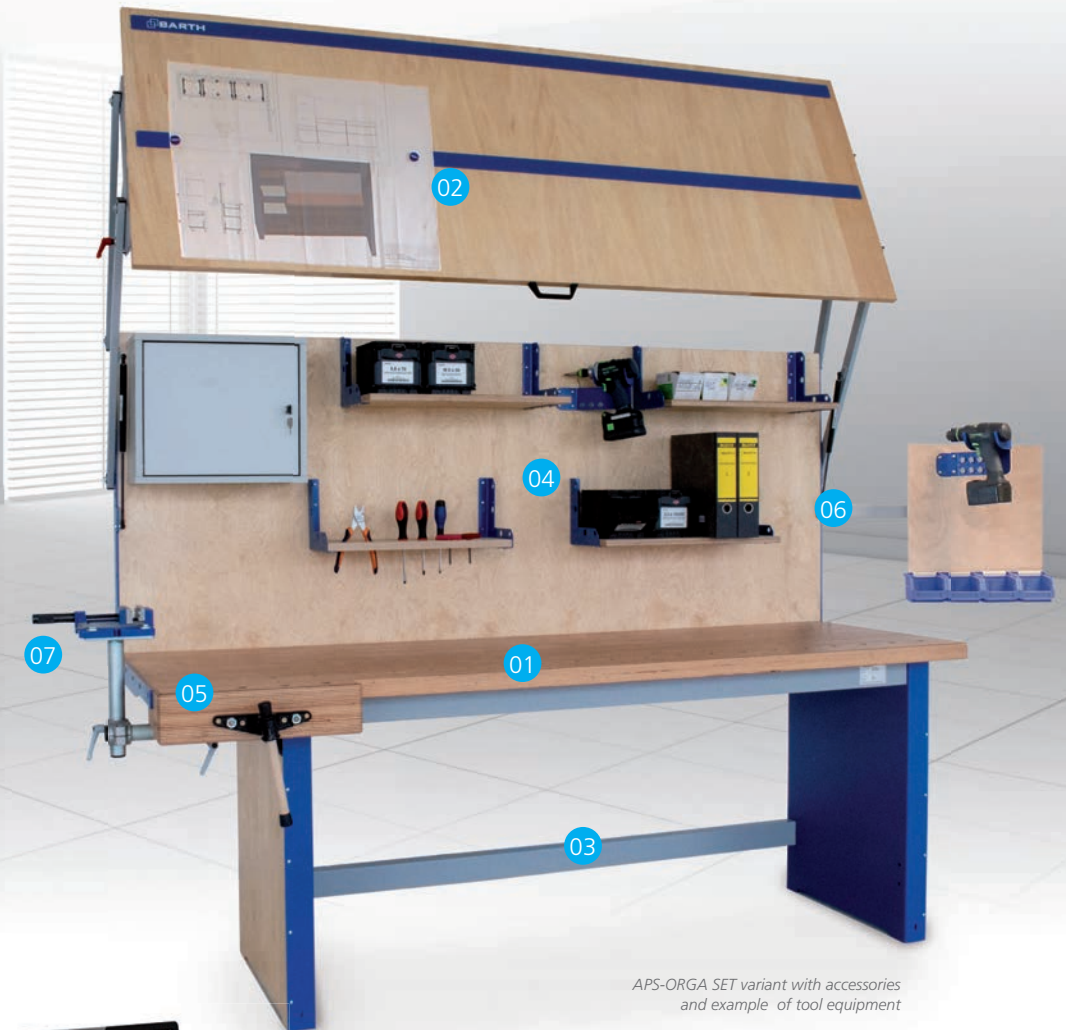
#### Optional attachment parts

**05** Front collet  
robust collet made of multiplex beech

**06** Tray  
pivotal with holder for cordless screwdriver

**07** Vice

Additional accessories refer to page 24



APS-ORGA SET variant with accessories  
and example of tool equipment



Instant information:

+49 8634 9827 0  
info@barth-maschinenbau.de

## Accessories for VakuuCar®

Container with 2 drawers



**Art. no.** BV-08-81

Size 460x450x500 mm  
Full pull-out

Drawer



**Art. no.** BV-08-74

Size 250x450x500 mm  
Full pull-out

Lateral support



**Art. no.** BV-32-36

Size 410x320 mm

Pull-out rail 900 mm



**Art. no.** BV-11-91

Pull-out rail for VakuuCar® and  
lifting table 300;  
worktop 24 mm; length 900 mm

Automatic cutout for  
vacuum pump with tank.

**Art. no.** BV-32-35

## Hole plate

VakuuCar®XL



**Art. no.** BV-15-69

Worktop with milled grooves  
for VakuuCar®XL (1,800x740x24 mm)

## Longitudinal pull-out

VakuuCar®XL



**Art. no.** BV-33-34

Extension on both sides 450 mm  
(included in the VakuuCar®+ base version)

## Suction hole plate

for VakuuCar®XL



**Art. no.** BV-33-35

Suction tube connection 160 mm  
wood dust tested according to DGUV

## Accessories for lifting tables

Longitudinal pull-out 550 mm



On both sides, suitable for	Art.no.	On both sides, suitable for	Art.no.
for hole plate H350 XL	BH-31-42	Lifting table H 600 / H 850 / H 1000	BH-35-45
vakuuLIFT-S / H 350 XL	BH-31-43	for HPL hole plate H 600 / H 850 / H 1000	BH-35-46
HPL hole plate vakuuLIFT-S	BH-31-44		

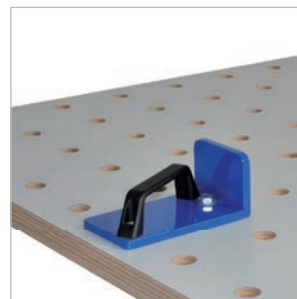
Pull-out rails



	Art.no.
Set of 2 pcs 350 XL / vakuuLIFT-S, H 600 - H 1000, length 1,150 mm	BH-16-93
Lifting table H 300 + Vakuu-Car®, length 900 mm	BV-11-91

## Accessories for wooden hole plate with 22 mm holes

Counter-bearing 360°



	Art.no.
360° pivotable, height 70 mm	BH-12-34
for steel hole plate	BM-70-34

Push rod clamping device



Art. no.	BH-12-37
spring-loaded, clamping force approx. 250 kg	

Push rod clamping device



Art. no.	BH-12-36
clamping force approx. 500 kg	

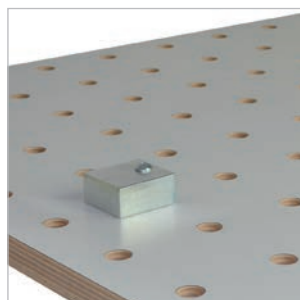
further accessories on [www.barth-maschinenbau.de](http://www.barth-maschinenbau.de)

Rack-and-pinion gear, small



	Art.no.
150 mm stroke Clamping force 200 kg	BH-12-32
for steel hole plate	BH-12-51

Bumping stop



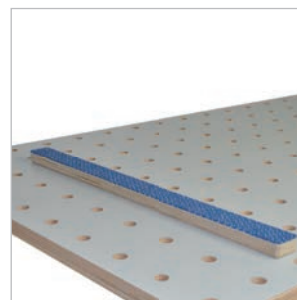
	Art.no.
L x W x H: 70 x 60 x 30 mm	BH-30-34

Vertical clamping device



	Art.no.
with 2K handle Jaw capacity 100 mm Clamping height 200 mm	BH-12-31
for steel hole plate	BH-12-52

Wooden strip with carpet



Art. no.	BH-10-79
pluggable Length 750 mm	

Rack-and-pinion gear



	Art.no.
clamping force approx. 1,000 kg 155 mm stroke	BH-12-33
for steel hole plate	BH-12-52

Adapter sleeve



Art. no.	BH-12-38
for wooden hole plate: With this adapter sleeve, the pressure elements of the steel hole plate with small bolts can be used on the wooden hole plate with large holes.	

**PACKAGE OF  
ACCESSORIES  
WOODEN HOLE PLATE**

3x rack-and-pinion gear small,  
4x stop block, 2x vertical clamping device,  
Art. no. BH-12-35





## Accessories for APS-ORGA II

Locker



Art. No. BV-61-00-60

For back panel

Back panel package



Art. No. BV-61-43 (without wooden parts)

Tray



Art. no. BV-61-33

With holder for cordless screwdriver and 4 dispensing boxes

Front plier



Art. no. BV-61-41

## Accessories for rotary axis and pull-out rail

3D bracket



Art. no. BV-08-68

3D-holder for vacuum suction cups for mounting in the pull-out rail

Extension  
(with cross clamp)

Art. no. BV-08-57

Length 400 mm

Vice



Art.no.

With holding tube,  
without cross clamp  
Clamping range 100 mm  
Jaw width 100 mm  
Clamping range 90 mm

BV-08-77

Vice package for APS-ORGA II

BV-61-40

Hose extension

Art. no. BV-23-98-20

Hose extension 2 m incl. quick coupling

Automatic cut-out  
for vacuum pump with tank

Suitable for	Art.no.
VakuuCar®+ / XL	BV-32-35
vakuuLIFT-S	BH-16-35

## Accessories for orgaCAR

Folding table



Art. no. BV-65-42

With perforated worktop

Balancer



Art. no. BV-65-40

Bracket



Art. no. BV-65-35

For manual machines

LED lamp



Art. no. BV-65-41



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## Silicone-free suction cups

The efficient suction cups from BARTH have a large and solid support surface and have been designed for all materials in wood processing.

Equipped with the sophisticated BARTH pushbutton valve, they react very sensitively to all workpieces. High-gloss lacquered surfaces are clamped by the suction cups without leaving any marks.

Suction cup 11.7



Art. no. BV-23-110065

Size 110x65 mm  
incl. pushbutton valve,  
holding tube and  
quick coupling connection

Suction cup 24.5



Art. no. BV-23-240045

Size 240x45 mm  
incl. pushbutton valve,  
holding tube and  
quick coupling connection

Suction cup 25.8



Art. no. BV-23-250080

(included in the base version)  
Size 250x80 mm incl. pushbutton  
valve, holding tube and  
quick coupling connection

Suction cup 30.3



Art. no. BV-23-300030

Size 300x30 mm  
incl. pushbutton valve,  
holding tube and  
quick coupling connection

Round suction cups



Art. no. BV-23-190

(included in the base version)  
Size Ø 190 mm incl. pushbutton  
valve, holding tube and quick  
coupling connection

## For sliding table saws Swivelling fence

Finally, a swivelling fence that protects the mitre cut and allows for an exact cut. With a stop length of 1.10 m, your workpiece will be optimally held. Angles from 0° to 45° with perfect support on the swivelling fence ensure the exact cut because the workpiece can no longer slip under the fence. For a guaranteed long-lasting function, the BARTH swivelling fence is made of a solid construction and can nevertheless be mounted quickly and easily.



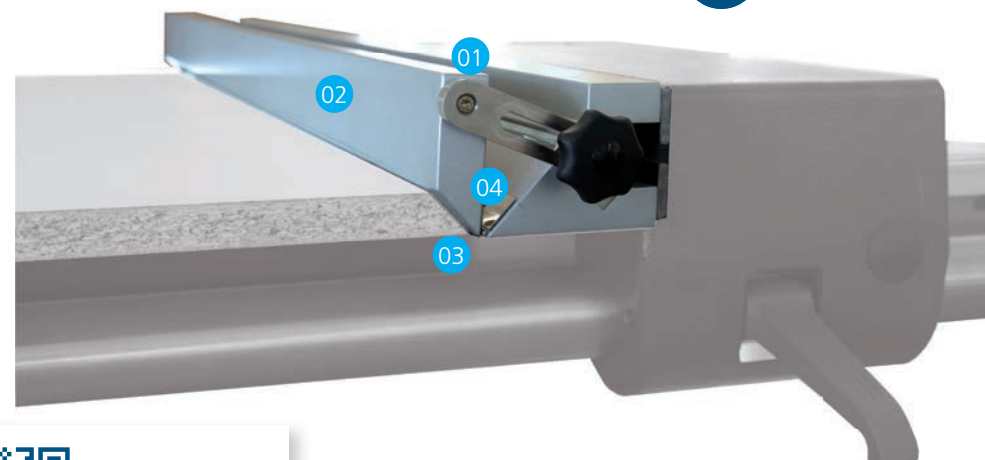
**PROTECTION**  
perfect mitre protection



**FLEXIBLE**  
individual use



**SIZE**  
large support surface



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Sturdy construction 01

Optimum protection  
for the mitre 03

Fence length  
1,100 mm 02

Angles from 0° to 45° 04



# Heavy doors easily turned wendoSYST

Large, heavy workpieces such as front doors or panel elements can be clamped and turned by 180°.

The stable base structure is mobile and can therefore be used throughout the entire plant. The pull-out frame cross-connection is attached to the rear. This design offers the great benefit that the assembly of large, heavy elements can be done by an employee, using a lifting table (e.g. lifting table 300).



The wendoSYST can be equipped with a lifting table.



## ERGONOMIC

adjustable height for user or workpiece



## MOBILE

mobile with 4 sturdy steering rollers with brake



## STURDY

workpieces up to 200kg can be turned



## FLEXIBLE

adapts easily to door and workpiece lengths Length 1,190 - 2,504 mm

## Base version wendoSYST

Mobile turning device for large and heavy workpieces such as front doors. Adaptable to door and workpiece lengths, can be equipped with lifting table 300

- › Base frame with support bracket and spindle clamping
- › Engaging head, mobile
- › Workpiece clamping dimensions (L x W): 1,190–2,504 x 30–1,700 mm
- › Thickness of workpiece: 23–112 mm
- › Height of rotary axis: 752–1,064 mm (adjustable with spring bolt)
- › Working height adjustable by 312 mm
- › Standing depth expandable by 250 mm
- › Mobile with 4 steering rollers Ø 125 mm, each equipped with a brake
- › Loadable up to max. 200 kg
- › Footprint L x W: 2,220–3,300 x 860–1,110 mm



Stud engaging device optional (BH-40-38)



Stud engaging device for doors, opening on 2 sides, optional (BH-40-39)

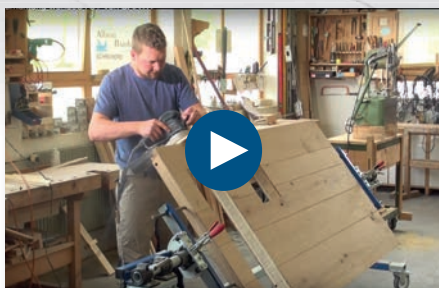


Variant with surface clamping with opening on both sides (BH-40-06)



"Among other things, we produce heavy room and front doors. Right from the start, our heavy doors are mobile either using the lifting table or the turning device. We use the device for sanding, mortising and when mounting seals and hinges. Using the stud engaging device, the door can be lacquered or oiled in the wendoSYST. The wendoSYST is meanwhile an irreplaceable tool for us, especially in connection with the lifting table 300."

**Carpentry Albert Bartlechner GmbH, Halsbach**



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- Large workpieces** 05  
between 30 - 1,700 mm, can be turned in width
- Support** 06  
solid support bracket with trapezoidal spindle clamping (can be swivelled away)
- Stable** 07  
for very large workpieces, the front wheel can be pulled out.
- Safety** 08  
2 adjustable safety strips
- Perfect with lifting table 300** 09  
can be equipped (refer to page 6/7)
- Height adjustment** 01  
of rotary axis 752 mm – 1,064 mm, adjustable with spring bolt
- Sturdy rotary axis** 02  
Quick adjustment in length by 120 mm (each side) final stops at 0° and 180°, intervals of 45°
- Longitudinal adjustment** 03  
using solid square tubes and clamping with clamping lever between 1,190 - 2,504 mm
- Versatile** 04  
4 high-quality and sturdy steering rollers, equipped with a brake



# The height-adjustable work table with turning device

## wendoLIFT II

The BARTH wendoLIFT II turning device has one integrated turning device for heavy workpieces. The wendoLIFT II can be used as turning device and as work table.



Can be used as work table.

### The height-adjustable work table with turning device for heavy workpieces.

- > Ergonomic working height
- > Efficient work processes save time
- > Large lifting range 500 - 1,150 mm
- > Energy-saving turning of heavy workpieces up to 140 kg
- > Sturdy steel structure
- > With powerful battery drive unit 88A (incl. charger)

### Base version wendoLIFT II accuDRIVE

- > 12V hydraulic unit
- > Incl. remote control
- > 2 castors
- > 2 steering rollers with brake
- > Multiplex plate with carpet
- > Table extensions with carpet on both sides
- > 12V charger
- > Load capacity as lifting table 600 kg
- > Load capacity as turning device 140 kg
- > Max. workpiece width for turning 1,000 mm
- > Footprint L x W x H: 1,800 x 1,160 x 500- 1,150 mm

### Variant wendoLIFT II eDRIVE:

- > 230V hydraulic unit

### How turning works



**ERGONOMIC**

controlled by remote control

**ECONOMICAL**

turn doors up to 140kg without the need of a second person

**QUALITY**

sturdy steel structure with accu unit

**MOBILE**

Mobile and flexible use for customized applications

**FLEXIBLE**

can be used as work table, folding function can be removed



wendoLIFT II accuDRIVE with optional accessories



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- |  |                                 |                        |
|--|---------------------------------|------------------------|
| Remote control with magnetic holder 01 | Steering roller with brake 04   | Worktop with carpet 05 |
| Table extension 02                     | Battery disconnection switch 06 |                        |
| Supports optional 03                   | Detachable turning supports 07  |                        |



# Easy loading and unloading of long and bulky parts.

## kippLIFT

The work table "kipplIFT" facilitates the transport of long, heavy and bulky parts such as doors, kitchen counters, panel material, by easy loading and unloading.

The base structure of the "Lift Table 300 XL" remains the same with all its benefits - a smooth-running chassis for easy handling, a pedal system operated lifting system with 300 kg load capacity and the individually adjustable working height between 740 - 1,300 mm - and is extended by a smooth-running tilting system. This makes it possible to pivot the worktop of the table by 89° lengthwise. The powerful gas springs support the crank drive and allow workpieces to tilt effortlessly.

For long workpieces, a 555 mm long pull-out is provided on both sides. The wide stop angle provided on one side is used to easily hold the workpieces in the tilted state. This allows to move bulky workpieces from the vertical to the horizontal position without any help.



### Base version kippLIFT

**3 different variants are available!**  
**Ask us.**

- > 2 steering rollers with brake Ø 125 mm
- > 2 steering rollers with direction lock Ø 125 mm
- > Folding stop bar
- > Height adjustment on both longitudinal sides with foot pedals
- > Tilting function using a folding manual crank
- > 1x rigging strap for attaching the workpiece
- > Load capacity up to 300 kg
- > Longitudinal pull-out by 555 mm each
- > Large height adjustment range: 740–1,300 mm
- > Pivoting range 0–89°
- > Footprint Lx WxH:  
2,240–3,350 x 1,020 x 740–1,300 mm

*For tilting long workpieces such as kitchen counters – very sturdy, can also be used as mobile and height adjustable work table*



**FLEXIBLE**

use as feeding table for machines or as work and assembly table

**ERGONOMIC**

easy tilting of workpieces up to 4 m length

**COMFORTABLE**

height adjustment by foot pedal on both sides, tilting mechanism by manual crank

**STURDY**

powder-coated steel structure, sturdy tilting frame



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Worktop  
1,015 x 2,240 mm, can be extended to  
1,015 x 3,350 mm by longitudinal pull-outs 01

Sturdy scissors-type structure  
for uniform load holding 02

Foot-pumped hydraulic system  
on both sides, operated on both  
longitudinal sides 03

Sturdy base structure  
powder-coated 04

Stop bar  
for easy unloading of workpieces 05

Dieter Schwab

# Many opportunities remain unused!



**After many years on the market and in many minds, the vacuum press continues to be a machine for the manufacture of moulded parts. This is undoubtedly the supreme discipline of this machine. However, reducing it to this application gives away the huge range of other possible applications of this machine.**

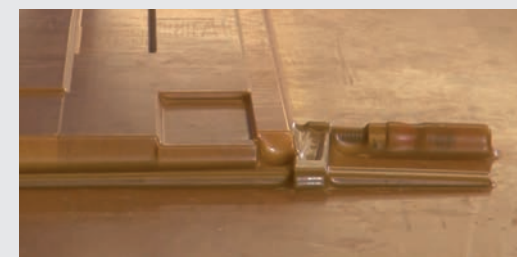
Vacuuming the air below the membrane creates a pressure difference to the outside ambient air pressure. The ambient air presses from the outside on the membrane. The result: Always the same pressing force regardless of the size, shape or thickness of the workpiece. Therefore, the vacuum press is perfectly suited for the flat pressing of uneven materials such as waste wood or split wood boards.

Especially for sensitive coating materials like HPL, the vacuum press offers unbeatable advantages. Anyone who has to process high-gloss laminate in a conventional veneer press knows that every chip, every grain of dust, adhesive tape or glue residue on the press plates inevitably leads to imprints in

the finished surface. This problem is due to the system-related nature of the panel presses as they press all elevations until they are flush with the rest of the pressing surface. This is where the vacuum press has its unbeatable advantages. Glue residues, adhesive tapes for fixing, chips or pieces of cloth that are placed to protect the membranes from the sharp HPL edges do not cause any marks. The feature that vacuum lowers the boiling point of water adds to the above benefits. When using the speed-up option, this effect is so strong that pressing times comparable to heated veneer presses can be achieved without the use of intensive heating. A veneer press consumes on average 12 - 15 kW while a vacuum press does the same job with 0.1 - 0.15 kW.

## Practical tip:

In order to obtain safely closed joints in panelling, a pre-tension can be generated with glue presses. For surface bonding, the glue presses are then simply clamped under the membrane. The advantages are obvious, and more and more users benefit from these advantages of a machine that has become indispensable in the factory after a short time. Because creativity is standard in wood-working companies.



## Faster curing time and more efficiency

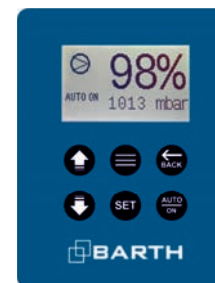
The maximum performance of a vacuum pump lubricated with circulating oil is approx. 99 % of the ambient pressure. At an air pressure of e.g. 1,000 mbar, the achievable maximum pressure is 990 mbar. If this value is entered as the absolute switching point

in a conventional pressure switch, the pressure switch switches off the vacuum pump when this value is reached. If the air pressure changes, the switching point must be re-entered. If this is not done, it may occur that the pump is not switched off at lower pressure. At higher air pressure, however, the maximum possible pressure

is not reached. The electronic REVO II pressure switch from BARTH automatically calculates all necessary settings. Just enter the desired relative value: e.g. set to 99% to reach the maximum power of the pump. The setting is changed using the arrow keys. A second level shows all measured values clearly in the large display.

## REVO II pressure switch

> Thanks to the new REVO 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  
 > Electronically maximised pressure  
 > Electronic pressure monitoring with REVO II pressure switch

> Digital vacuum display  
 > Continuous mode function with timer  
 > Vacuum pump 40 m³/h, lubricated with circulating oil  
 > Vacuum distributor plate  
 \* depending on the air pressure



The BARTH vacuum press TAURUS® HP: presented for the first time at the LIGNA 2019. 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.

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

**Preheating station (H)**

- › max. size of workpieces: 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 1,370 mm (membrane frame bottom edge 1,950 mm)
- › 4 solid pneumatic cylinders
- › Membrane removable frame (optional)

**Base version TAURUS® HP / H / P**

- › 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: 2 x 100l or 4 x 60l
- › Highly sturdy chassis
- › Additional vacuum connection with 13 mm hose fitting

## The industrial class TAURUS® HP



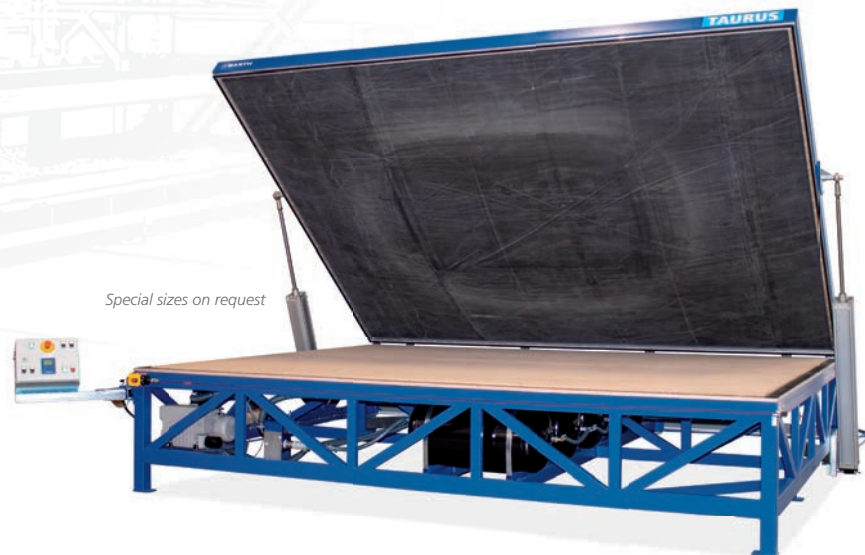
- › Clamping dimensions L x W:  
TAURUS® HP 3014 speed-up: 3,000 x 1,420 mm
- › Footprint L x W x H:  
TAURUS HP 3014 speed-up (with preheating station and parallel movement): 3,860 x 2,730 x 2,500 mm  
TAURUS® H 3014 speed-up (with preheating station) 3,860 x 2,730 x 940 mm  
TAURUS® P 3014 speed-up (with parallel movement) 3,860 x 1,540 x 2,500 mm

Other sizes on request

# The industrial class 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



#### STURDY

solid welded structure



#### EFFICIENT

electronic pressure monitoring with REVO II pressure switch



#### Base version 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: 2 x 100 l

> Highly sturdy chassis

> 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

## Clamping depths



TAURUS 5014 speed-up  
with optional cover plate



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Powerful vacuum pump 01  
40 m³/h, mit 2x 100 l storage tank

Sturdy base frame 02  
welded and powder-coated

Differential pressure circuit 03  
digital, REVO II

Movable frame 04  
4 steering rollers with brake

Natural rubber membrane 05  
highly resilient

Support for forklift 06

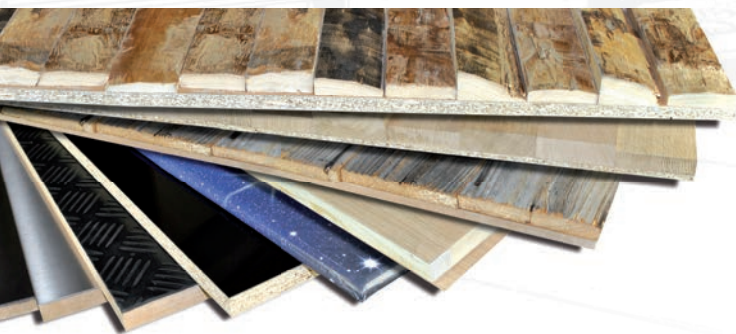
Vacuum connection 07  
additional connection for vacuum bag

Cover plate 08



# The vacuum press of the professional class

## CORVUS®

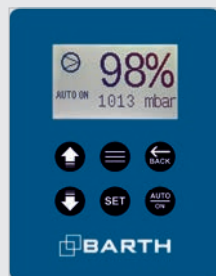


**BARTH GmbH has launched a vacuum press in the professional class. The modern look is combined with a sturdy construction and offers ergonomic operation on the front side of the press.**

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.

### Optional

- › The speed-up option is available on request. The advantage of this option is the higher pressure and thus the shorter pressing time as well as the simple operation with the new REVO II pressure switch.
- › A second 100l tank can be ordered for even faster evacuation.
- › Another accessory is the cover plate protecting the membrane from sunlight and providing a large worktop.



### REVO II pressure switch

- › Thanks to the new REVO 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
- › Electronically maximised pressure
- › Electronic pressure monitoring with REVO II pressure switch
- › Digital vacuum display
- › Vacuum pump 40 m³/h, lubricated with circulating oil
- › Vacuum distributor plate

\* depending on the air pressure

Refer to page 31



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### MOBILE

mobile and flexible use for customized applications



### QUALITY

solid tubular steel construction made in Germany



### ENERGY-SAVING

the standard pressure switch starts the vacuum pump only when needed

### Base version CORVUS® models

- › Membrane: Natural rubber, highly resilient (silicone membrane upon request)
- › Vacuum pump: dry-running
- › Power: 25 m³/h
- › Tank capacity: 1x 100 l
- › Pressure controller: mechanical
- › Sturdy chassis
- › 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:

- › Speed-up Option (see column on the left)

### Recommended accessories:

- › Cover plate for CORVUS® on page 40
- › Additional 100l tank



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

**Thomas Berer,**  
Schreinerei Berer from  
Bad Birnbach

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



CORVUS® 3014.40 speed-up  
with optional cover plate

Powerful vacuum pump  
with tank 01

Solid base frame  
powder-coated 02

Speed-up Option  
with REVO II pressure switch 03

Sturdy chassis  
4 steering wheels with brake 04

Natural rubber membrane  
highly resilient 05

Cover plate, folding  
protects the membrane against  
sunlight (optional) 06



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## CORVUS®-W



## 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.



Wall bracket 01

Worktop stiffening 02

Membrane 03  
made of highly resilient natural rubber,  
stretchable up to 600 %

Feet 04  
easily folding with spring bolts



*CORVUS®-W folded with optional cover plate*



### FOLDING

the vacuum press can be folded when it is not in use



### SPACE-SAVING

when not in use, depth is only 520 mm



### SAFE

support feet can be locked and folded using spring bolts



### EFFICIENT

electronic pressure monitoring with REVO II pressure switch + vacuum distributor plate (speed-up option)

### Base version CORVUS®-W models

- > Membrane: Natural rubber, highly resilient (silicone membrane upon request)
- > Vacuum pump: dry-running
- > Power: 25 m³/h
- > Tank capacity: 1x 100l
- > Pressure controller: mechanical
- > Sturdy chassis
- > additional vacuum connection with 13 mm hose fitting
- > clamping dimensions Lx W:  
CORVUS®-W 3014: 3,000x1,420 mm  
CORVUS®-W 3514: 3,500x1,420 mm
- > Footprint Lx WxH:  
CORVUS®-W 3014: 3,500x520x2,170 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 31

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 surface and worktop. The extremely stretchable natural rubber membrane does not leave any desire, even when performing shape bonding.

## Pivotable and flexible CORVUS®-S

### Base version CORVUS®-S models

- > Membrane: Natural rubber, highly resilient (silicone membrane upon request)
- > Vacuum pump: dry-running
- > Power: 25 m³/h
- > Tank capacity: 1x 100l
- > Pressure controller: mechanical
- > Additional vacuum connection with 13 mm hose fitting for use of the vacuum bag
- > 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 31



CORVUS®-S 3014 speed-up

100l tank  
integrated 01

Mobile  
4 steering rollers 02



Instant information:

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# The comfort class

## LUPUS

**The compact and cost-effective solution for small bonding from professional do-it-yourselfer to specialized joiner.**

The LUPUS series is ideally suited for small and individual part bonding, square timber bonding for turning work up to double-sided surface coating of individual parts in the carcass production. Of course, the shape bonding in the context of the support table is possible. The high quality membrane clamping with the sealing profile is realised in the typical BARTH quality.

### Base version LUPUS 1208 and 2312

- > With natural rubber membrane (silicone membranes are optionally available)
- > 3 m suction hose
- > Without vacuum supply
- > Small and lightweight, removable feet
- > Clamping dimensions L x W:  
LUPUS 1208: 1.200x800 mm  
LUPUS 2312: 2.300x1.200 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



LUPUS 2312 with optional vakuuBOX 8.5

LUPUS 1208 with optional vakuuBOX 8.5

removable feet 01

Ventilation by ball valve 03

high quality membrane clamping 02

Vacuum supply vakuuBOX 8.5 optional 04

## 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 devices independent of fixed connections.

Internally, they have a powerful vacuum pump feeding a 100 liter supply tank. For devices with low vacuum consumption, two 26 mm hose fittings are provided, as well as a 38 mm hose fitting for the BARTH vacuum presses.



### Product information PT 25.100

- > Automatic cutout
- > Power: 25 m³/h, dry-running
- > Tank capacity 100 l
- > Max. vacuum 850 mbar
- > Footprint: 1360 x 560 x 670 mm

### PT 40.100 speed-up in addition:

- > Higher press 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

\* depending on the air pressure

# vakuu-BOX 8.5



## Base version vakuuBOX 8.5

- > Dry-running
- > Tank capacity 4.8 litres
- > Max. vacuum 850 mbar
- > Suction power 8 m³/h
- > Manual differential pressure circuit
- > Pressure continuously adjustable up to 85 % vacuum
- > Size LxWxH: 400 x 300 x 330 mm
- > Weight: 21 kg
- > Connection 13 mm nozzle with ball valve
- > Connection with quick coupling for vacuum suction cups

## 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.



## Base version 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

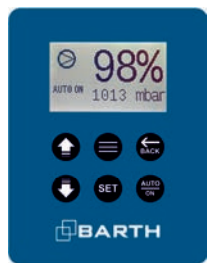


USER VIDEO  
[www.barth.tv](http://www.barth.tv)



## 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 distribution 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

## 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

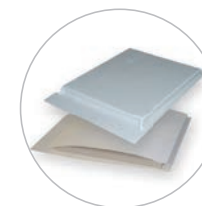


Art. no. BP-40-08

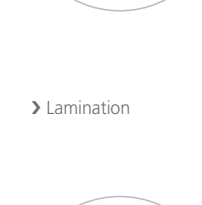
To improve sliding of the membrane on the worktop or the workpiece, it is recommended to dust the membrane with talcum.

500 g can

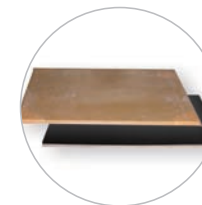
### Application examples



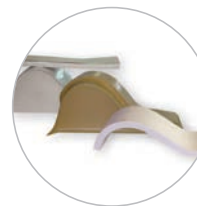
> Coating / Veneering



> Lamination



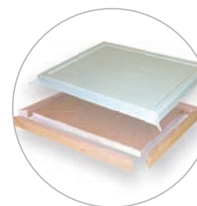
> Surface bonding



> Form bonding



> Sheathing



> Edging



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# 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. Thus, 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 switchover 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

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

# Creative, innovative, efficient

## The MULTI-press system

### RP / RPW

Page 50/51

› The space-saving allrounder



### RPG

Page 48/49

› The smart modular system



### Double-sided RPG

Page 48/49

› 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	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 (LxWxT)
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

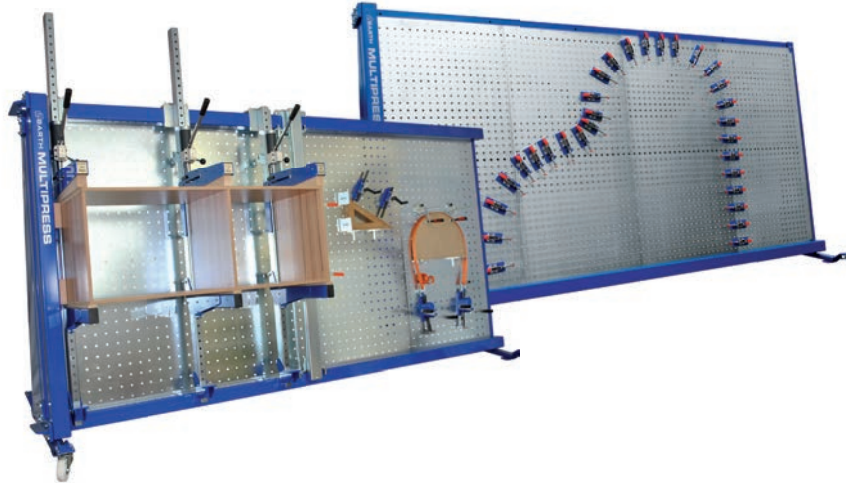
\*Lateral pressure device with rack-and-pinion gears \*\*Lateral pressure device with hydraulic cylinder I with lateral pressure device L + 190mm, with movable frame T + 450mm, H + 25 mm with hold-down clamps H + 90 mm

RPG-NH / RPGL-NH Page 52

› Comfort bonding in a modular system

RPGL Page 46/47

› The frame and hole plate press combination

RPL Page 53

› The creative press

RPG-V / RPGL-V Page 44/45

› The space-saving press/bonding center



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 T)
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 I with lateral pressure device L + 190 mm, with movable frame T + 450 mm, H + 25 mm with hold-down clamps H + 90 mm



# 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 (see following pages). The RPGL-V hole plate opens up all possibilities for bonding work and the largest possible field of application.

On the other hand, you have all the benefits of the vacuum press CORVUS®-W (see page 36). 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*

### Base version RPG-V models

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

### Basic equipment RPGL-V models

- In addition,
- › 6 mm steel hole plate with 70 mm hole grid

Dimensions, refer to table on page 45

### Speed-up option:

- Advantages
- › Higher pressure
  - › Up to 50% shorter press times
  - › 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 32
- › Vacuum distributor plate



### SPACE-SAVING

through folding vacuum press



### UNIVERSAL USE

frame, surface, stands, carcass, ...



### SYSTEM PRESS

expandable at any time with accessories up to a carcass press (not possible with rack-and-pinion gear)



### QUICK SET-UP

tool-free attachment and removal of accessories



### EFFICIENT

increasing the value-adding time for manual work



### QUALITY

solid steel frame, resistant surfaces, made in Germany



### MOBILE

upon request with moving device

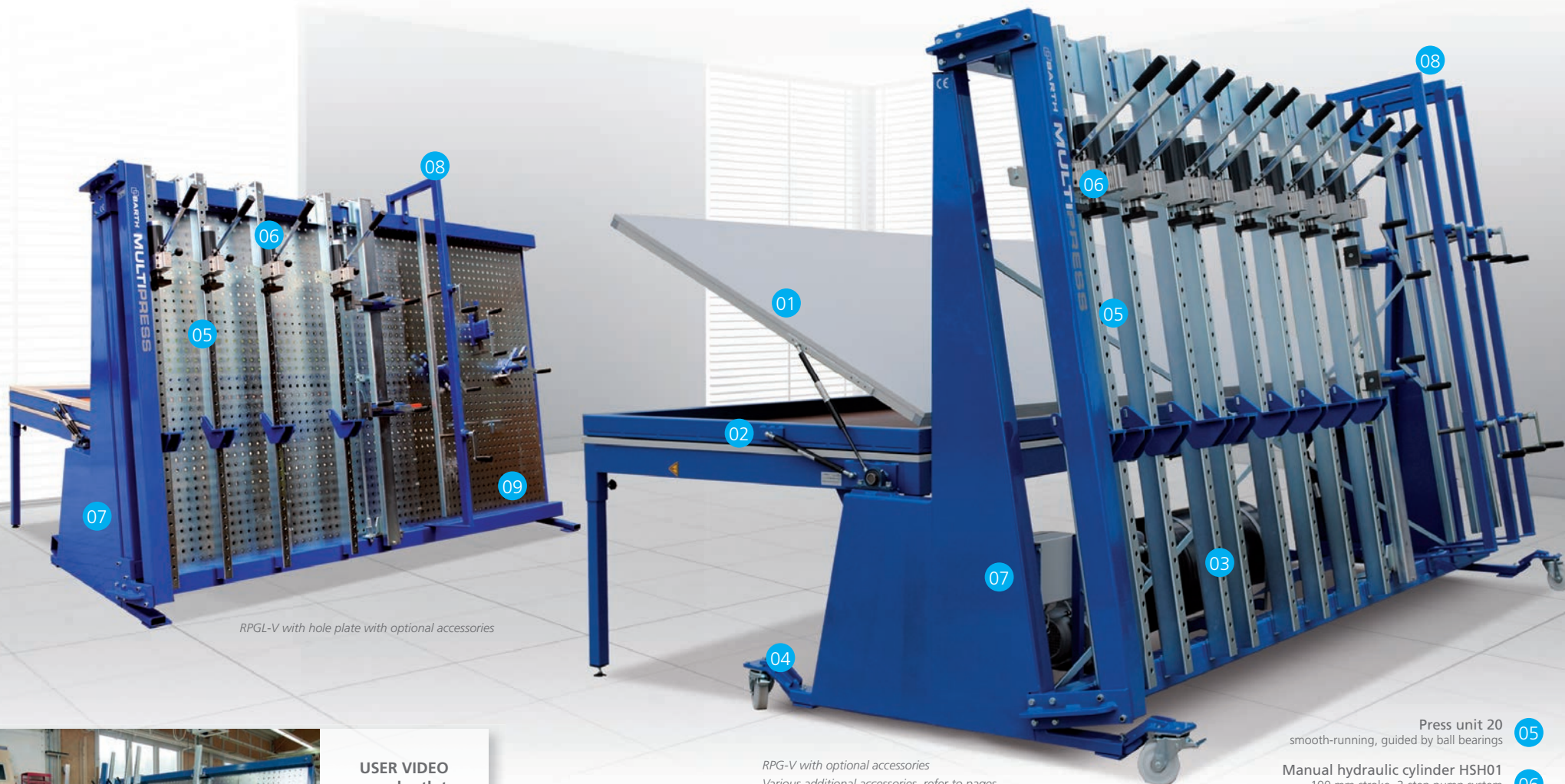


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# MULTI-press RPG-V / RPGL-V



RPGL-V with hole plate with optional accessories

RPG-V with optional accessories  
Various additional accessories, refer to pages  
56/57



USER VIDEO  
[www.barth.tv](http://www.barth.tv)



BARTH

Cover plate 01  
optional, perfect as a large-surface worktable

Natural rubber membrane 02  
highly resilient

Vacuum tank 03  
integrated

Sturdy chassis 04  
for increased flexibility (optional)

Press unit 20 05  
smooth-running, guided by ball bearings

Manual hydraulic cylinder HSH01 06  
100 mm stroke, 2-step pump system  
2,000 kg pressing force

Solid base frame 07  
powder-coated surface

Hold-down clamps 08  
with trapezoidal spindle (optional)

Hole plate 09

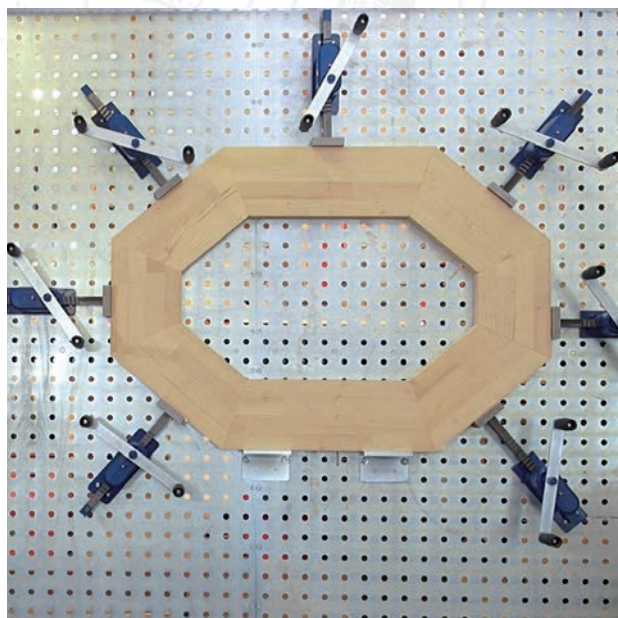


# The frame and hole plate combination

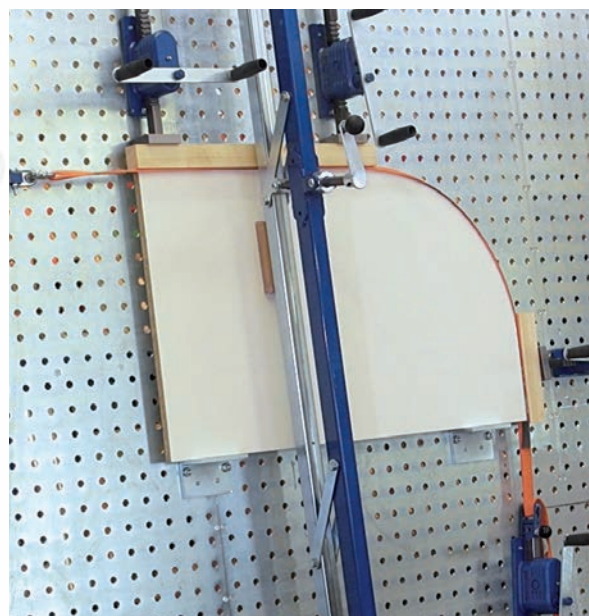
## MULTI-Press RPGL 20 / RPGL 25

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

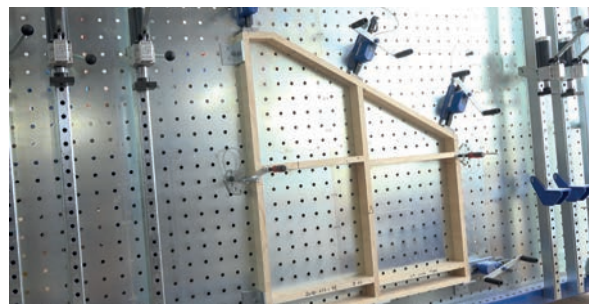
They are also used as ergonomic assembly device which should be considered when designing the workplace. The BARTH press and assembly center RPGL is based on the base frame of the MULTI-Press RPGL and offers many possibilities to perform bonding and assembly tasks quickly and without long changeover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



Template and polygon bonding



Round bonding with blet elements



### UNIVERSAL USE

frame, surface, stands, carcass,  
...



### QUICK SET-UP

tool-free attachment and  
removal of accessories



### EFFICIENT

increasing the value-adding time  
for manual work



### SYSTEM PRESS

expandable at any time with  
accessories up to a carcass press  
(not possible with rack-and-pinion  
gear)

### Base version of the 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

### Base version of the RPGL 25 models

- › Like RPGL 20 but: Higher 90° stop for the press units level (+500 mm)

Dimensions, refer to table on page 45



USER VIDEO  
[www.barth.tv](http://www.barth.tv)





## MULTI-Press RPGL 20 / RPGL 25



We are bonding a lot of solid wood and are very happy with the BARTH MULTI-press. The press is, among others, very good to use for our staircase construction.

Even bent parts like strings or handrails can be pressed by the high hydraulic pressure.

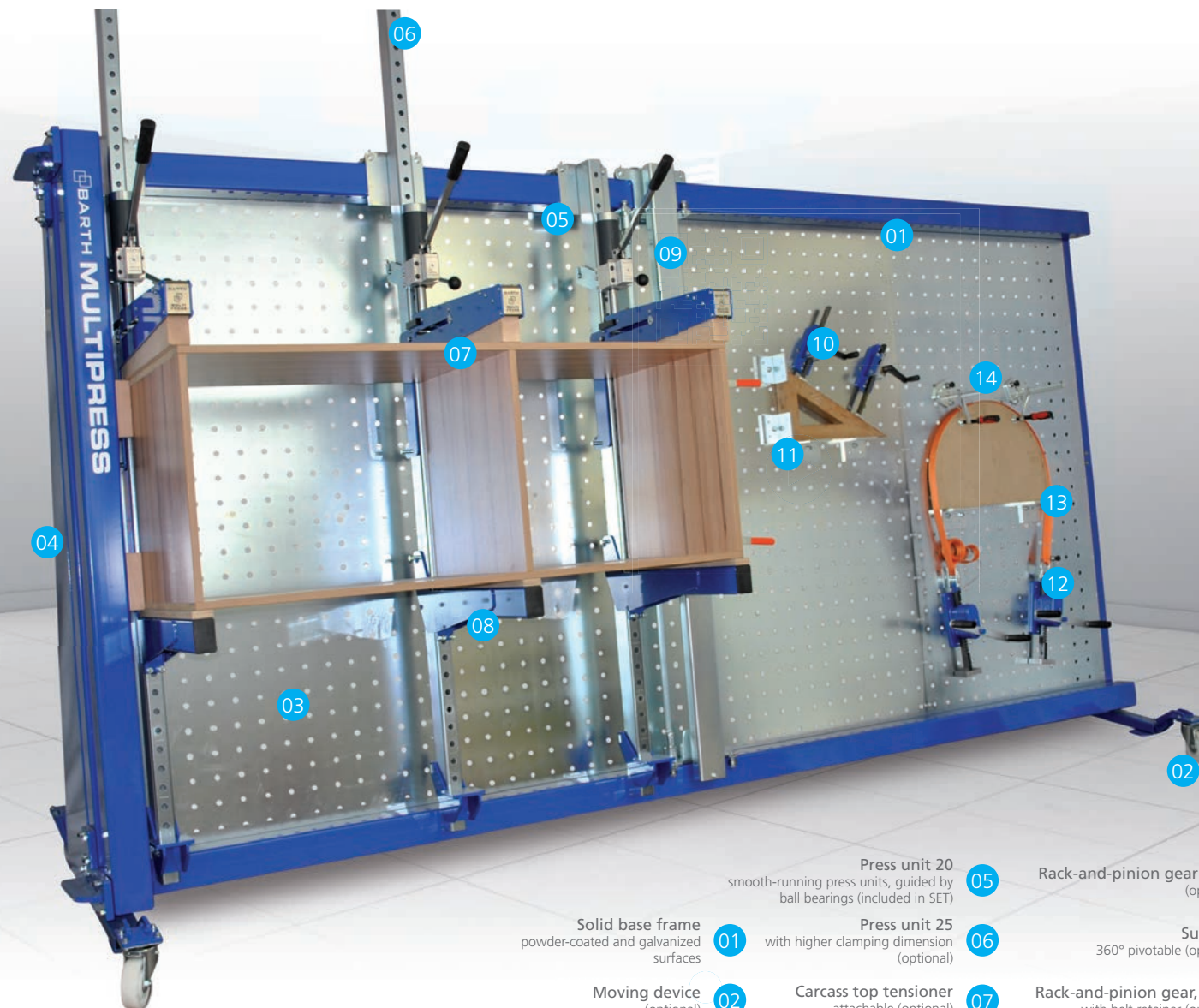
The hydraulics also protect the wrists as, compared to glue presses, you can work with little effort."

**Schreinerei Kirchberger,**  
94034 Passau

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



[www.barth.tv](http://www.barth.tv)



RPGL 2040 with optional accessories  
Accessories, refer to pages 58/59

- |   |    |   |    |
|---|----|---|----|
| Press unit 20<br>smooth-running press units, guided by<br>ball bearings (included in SET) | 05 | Rack-and-pinion gear small<br>(optional)                      | 10 |
| Solid base frame<br>powder-coated and galvanized<br>surfaces                              | 01 | Press unit 25<br>with higher clamping dimension<br>(optional) | 06 |
| Moving device<br>(optional)   | 02 | Carcass top tensioner<br>attachable (optional)                | 07 |
| Hole plate<br>solid steel plate 6 mm with<br>precision hole grid 70 mm                    | 03 | Carcass support<br>attachable (optional)                      | 08 |
| Stops<br>90° stops on two levels  | 04 | Belt<br>optional  | 13 |
|   |    | Vertical clamping device<br>optional                          | 14 |
|   |    | Support<br>360° pivotable (optional)                          | 11 |
|   |    | Rack-and-pinion gear, large<br>with belt retainer (optional)  | 12 |

# 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
- › Frames
- › 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.



### Base version of the RPG 20 models

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

### Base version of the RPG 25 models

- › Like RPG 20, but higher 90° stop (+ 500 mm)

On request, the frame is also delivered disassembled. Dimensions, refer to table on page 44

-  **SYSTEM PRESS**  
expandable at any time with accessories up to a carcass press (not possible with rack-and-pinion gear)
-  **QUICK SET-UP**  
tool-free attachment and removal of accessories
-  **UNIVERSAL USE**  
frame, surface, stands, carcass, ...
-  **QUALITY**  
solid steel frame, resistant surfaces, made in Germany
-  **EFFICIENT**  
increasing the value-adding time for manual work



USER VIDEO  
[www.barth.tv](http://www.barth.tv)







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

Schreinerei Huber aus Kirchbichl



RPG 2040 with optional accessories  
Various additional accessories, refer to pages 58/59



Instant information:

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**Sturdy base frame** 01  
made of thick-walled hollow profile -  
screwed

**Sturdy chassis** 02  
for increased flexibility (optional)

**Carcass bonding** 03  
up to a depth of 600 mm

**Press unit 20** 04  
with manual hydraulic cylinder HSH01

**Additional 90° stop** 05  
attachable (optional)

**Hold-down clamp** 06  
optional

**Surface bonding** 07  
straight or inclined with optional  
rotating shoes

**Lateral pressure device** 08

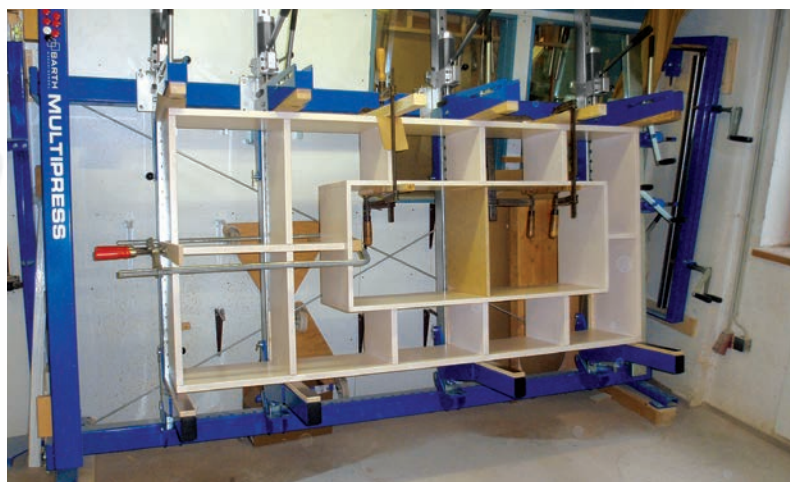


# The space-saving allrounder

## 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. No matter if frame, carcass, plate or stand bonding; the solid construction of the MULTI-press and the pressure cylinders HSH 01 especially designed for woodworking support you with full power.



### UNIVERSAL USE

frame, surface, stands, carcass, ...



### SYSTEM PRESS

expandable at any time with accessories up to a carcass press (not possible with rack-and-pinion gear)



### QUICK SET-UP

tool-free attachment and removal of accessories



### EFFICIENT

increasing the value-adding time for manual work



### QUALITY

solid steel frame, resistant surfaces, made in Germany

### Base version 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

### Base version 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 also delivered disassembled.

Dimensions, refer to table on page 44

## MULTI-Press RP / RPW



USER VIDEO  
www.barth.tv



- |   |    |   |    |
|---|----|---|----|
| Solid base frame<br>powder-coated surfaces                                      | 01 | Mech. rack-and-pinion gear<br>140 mm stroke, 1,000 kg pressing force                            | 05 |
| Sturdy feet<br>chassis (optional, refer to page 59)                             | 02 | Press units<br>continuously mobile, guided by ball bearings                                     | 06 |
| 90° stop  | 03 | Manual hydraulic cylinder HSH01<br>100 mm stroke, 2-step pump system<br>2,000 kg pressing force | 07 |
| Solid square pipes<br>with 50 mm precision pitch pattern,<br>galvanized surface | 04 | Hold-down clamp RP<br>with 2 trapezoidal spindles (optional)                                    | 08 |



Comfort bonding in a modular system

# MULTI-press RPG-NH / RPGL-NH



*RPG-NH 2030 with moving device and accessories  
Accessories, refer to pages 58/59*

**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!**



## Base version RPG-NH models

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

## Base version 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

Dimensions, refer to table on page 45



**EFFICIENT**

no providing of particularly made bonding equipment

**SETTING**

individual arrangement of bonding tools in 70 mm hole grid

**FLEXIBLE**

extension with retrofitable accessories

**COMFORTABLE**

Operation with low effort due to leverage effect

**MOBILE**

mobile use thanks to smooth-running chassis (optional)

**SET-UP TIMES**

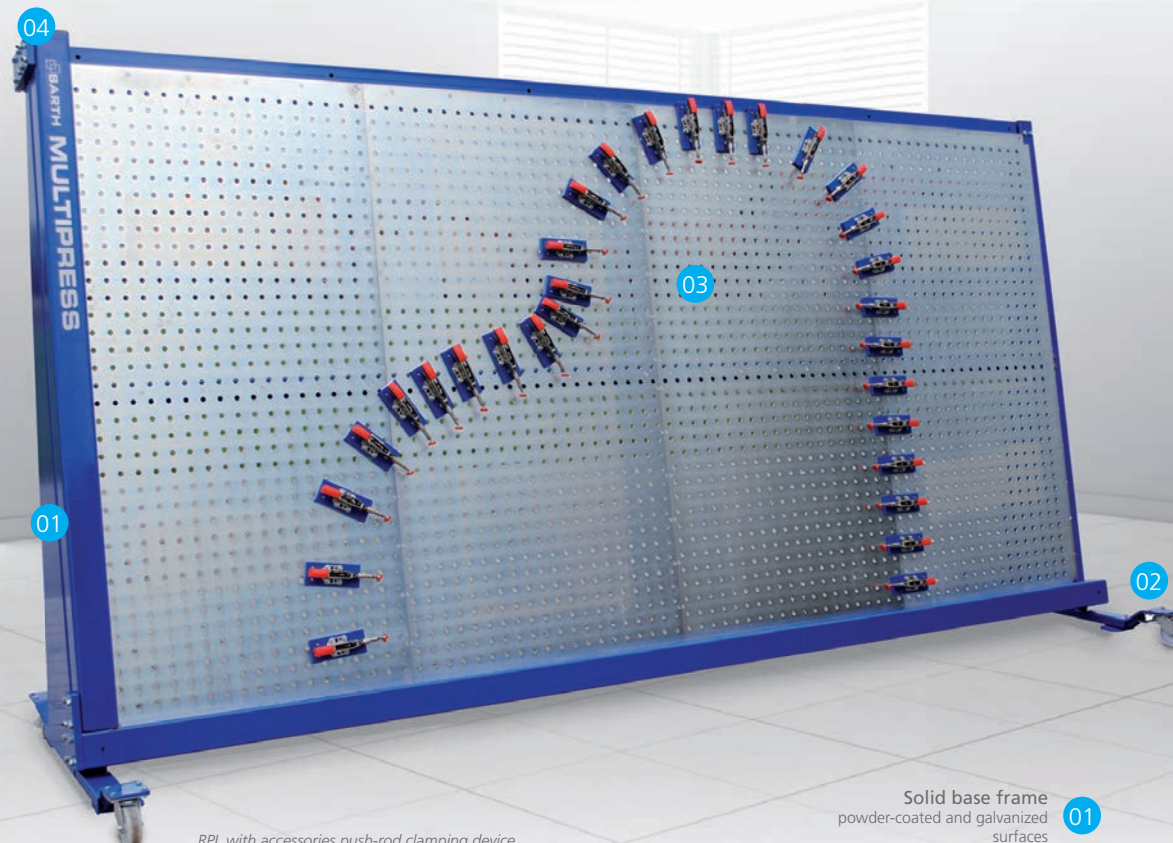
uniform tool holder in 70 mm hole grid

**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 45). Special solutions are possible on request.

## The creative press MULTI-Press RPL



RPL with accessories push-rod clamping device  
Various additional accessories, refer to page 59

**Base version RPL**

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

Various accessories, refer to page 59  
Dimensions, refer to table on page 45



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[info@barth-maschinenbau.de](mailto:info@barth-maschinenbau.de)

Solid base frame  
powder-coated and galvanized  
surfaces 01

Sturdy moving device  
up to size 2540 (optional) 02

Push-rod clamping device  
(optional) 03

90° stop 04

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

## Comfort equipment



Suitable for	Art.no.
RPG models	BM-60-41
RPGL models	BM-70-41

The pressure is produced easily and sensitively by hand lever at a central location. All pressure elements are enabled at the same time. Any cylinder can be disabled individually.

### Advantages

- › Single hand lever operation for clamping and unclamping
- › 2-step pump system
- › Fast stroke/pressure stroke with automatic switching
- › 100 mm stroke
- › 2,000 kg pressing force

## 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.

### Advantages

- › Central pressure supply via electrical hydraulic unit
- › It is possible to work with several pressure circuits, e.g. 1st circuit vertical and 2nd circuit horizontal or 1st circuit on the left and 2nd circuit on the right.
- › 100 mm stroke
- › 2,000 kg pressing force

## DUAL



Suitable for	Art.no.
RPG models	BM-60-42
RPGL models	BM-70-42

The benefits of the manual hydraulic cylinders and the Comfort equipment are combined here. As needed, control can be performed individually on the cylinder or conveniently on the central pump unit.

### Advantages

- › Control performed centrally or individually per cylinder
- › Single hand lever operation for clamping and unclamping
- › 2-step pump system
- › Fast stroke/pressure stroke with automatic switching
- › 100 mm stroke
- › 2,000 kg pressing force

## eDUAL



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.

### Advantages

- › Central pressure supply via electrical hydraulic unit
- › Control performed centrally or manually and individually per cylinder
- › 100 mm stroke
- › 2,000 kg pressing force

## Pneumatic equipment

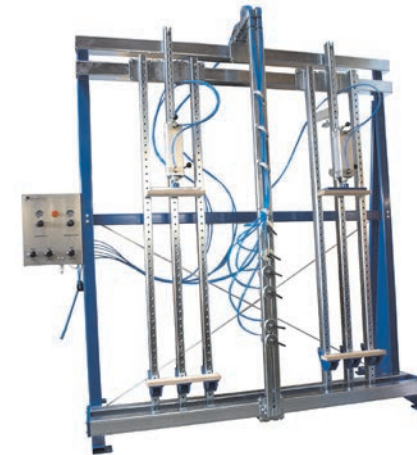


- › Upon request
- › Max. pressure 500 kg per cylinder
- › Various control options
- › Ideal for large-scale production



More than 30 years of experience

# Custom solutions for frame and bonding presses



# 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
RPGL (hole plate level)	BM-70-11

Hold-down clamp plus



Suitable for	Art.no.
RPG models	BM-60-11
RPGL (press unit level)	BM-70-12
RPGL (hole plate level)	BM-70-13



## Various accessories

Carcass top tensioner



Suitable for	Art.no.
all except RPW	BM-35-42

Carcass support



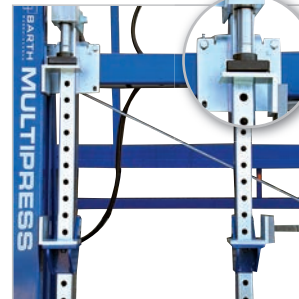
Suitable for	Art.no.
all models	BM-35-41

Movable frame



Suitable for	Art.no.
all 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  $\pm 30^\circ$ 

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

Drawer set resp. with  
150 mm support shoe

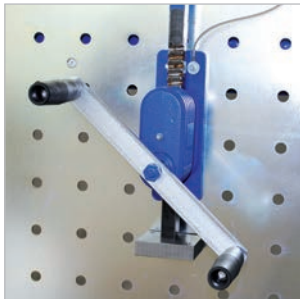
Pressure point offset for...	Art.no.
30 mm	BM-35-43
50 mm	BM-35-45

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

Rack-and-pinion gear, small



	Art.no.
small	BM-70-32

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

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

Belt with turnbuckle



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

Support



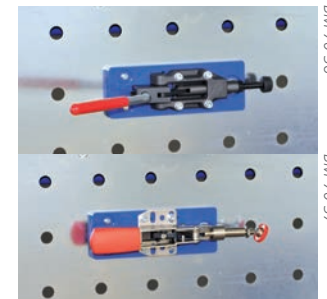
	Art.no.
360° pivotable	BM-70-34

Vertical clamping device

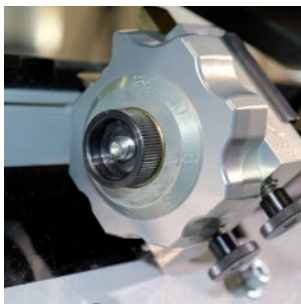


	Art.no.
with 2K handle, jaw capacity, clamping height 200 mm	BM-70-38

Push rod clamping device



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

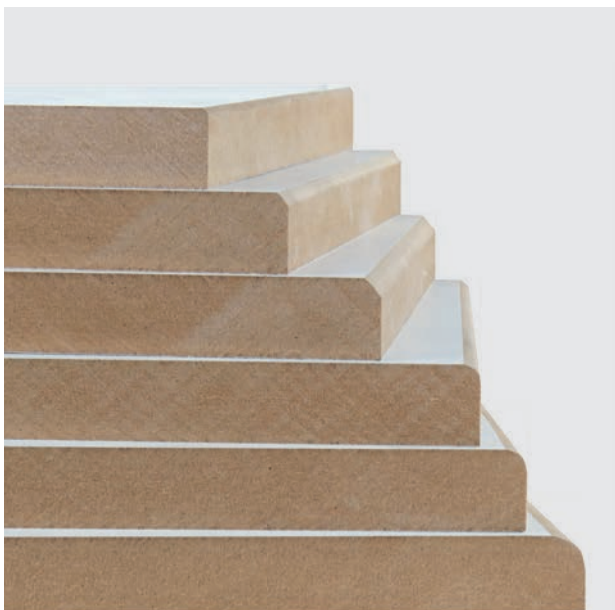


## For a perfect edge finishing

# Round & chamfer grinding machine

**Profiling and grinding are two operations which are carried out in different ways and using different procedures.**

This usually requires a significant amount of manual work. With this machine, we offer a system allowing to perform such operations quickly and accurately in a continuous process. Our universal machine type, equipped with an extra-long machine table and easily adjustable pre-milling unit ensures time-saving complete machining of curved or chamfered edges in one operation.

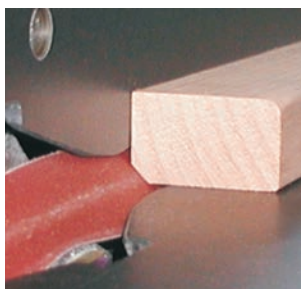


**Easy adjustment of the milling depth**

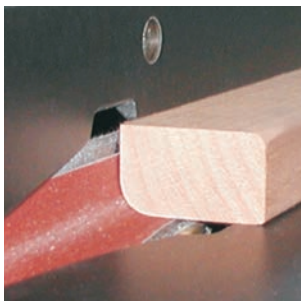


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45° chamfer



Curve

### Base version RFM 320

- > Adjustable grinding tool for 8 radii (2, 3, 4, 5, 6, 8, 10 and 12.5 mm)
- > Chamfering equipment up to 16 mm depth (continuously)
- > Grinding belt oscillation with pneumatic belt cleaning
- > Integrated base for feed unit
- > 16A socket for feed unit
- > Suction connection Ø 80 mm

### RFM 320S, in addition

- > Pre-milling unit 1,100W / 220 V, continuously adjustable up to 25,000 rpm
- > Milling range up to radius 12 mm

### SET variant, in addition

- > Movable frame with 2 lockable 2 steering rollers
- > Workpiece support, 380 mm pulled-out width



### PARTICULARLY ECONOMICAL

mechanical belt oscillation, pneumatic belt cleaning and gentle belt guidance via a specially modified graphite sliding coating ensure a long service life of the grinding belts of 2,300 mm in length.



### SHORT SET-UP TIMES

easy adjustment of curve or chamfer, maximum time savings even with single pieces.



### BEST GRINDING QUALITY

precise calibration of curve or chamfer, clean transition into the surfaces, by means of finely adjustable belt guide jaws.



### WIDE RANGE OF RADII

the use of individual radius modules makes it possible to perfectly grind even curves over 12.5 mm, up to radius 25 mm, e.g. handrails.

### Footprint L x W x H in mm

- > RFM 320: 1,300 x 650 x 960 mm
- > RFM 320 SET (incl. chassis and workpiece support): 1,300 x 690 x 1,010 mm
- > RFM 320S: 1,600 x 650 x 1,000 mm
- > RFM 320S SET (incl. chassis and workpiece support): 1,600 x 690 x 1,050 mm





*"We build winter gardens and have lots of edges to round and sand. We used to sand it all by hand. We have used the RFM radii and chamfer grinding machine for 2 years and are very impressed as we can exactly process all rounds in one operation."*

**Eichinger  
Schreinerei GmbH,**  
94152 Neuhaus  
am Inn

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

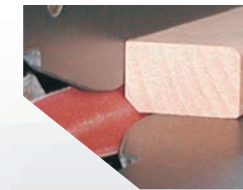


#### Important accessories

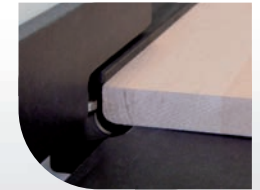
- > The standard version of both machine types is equipped with a mounting base and a socket for a feed unit.



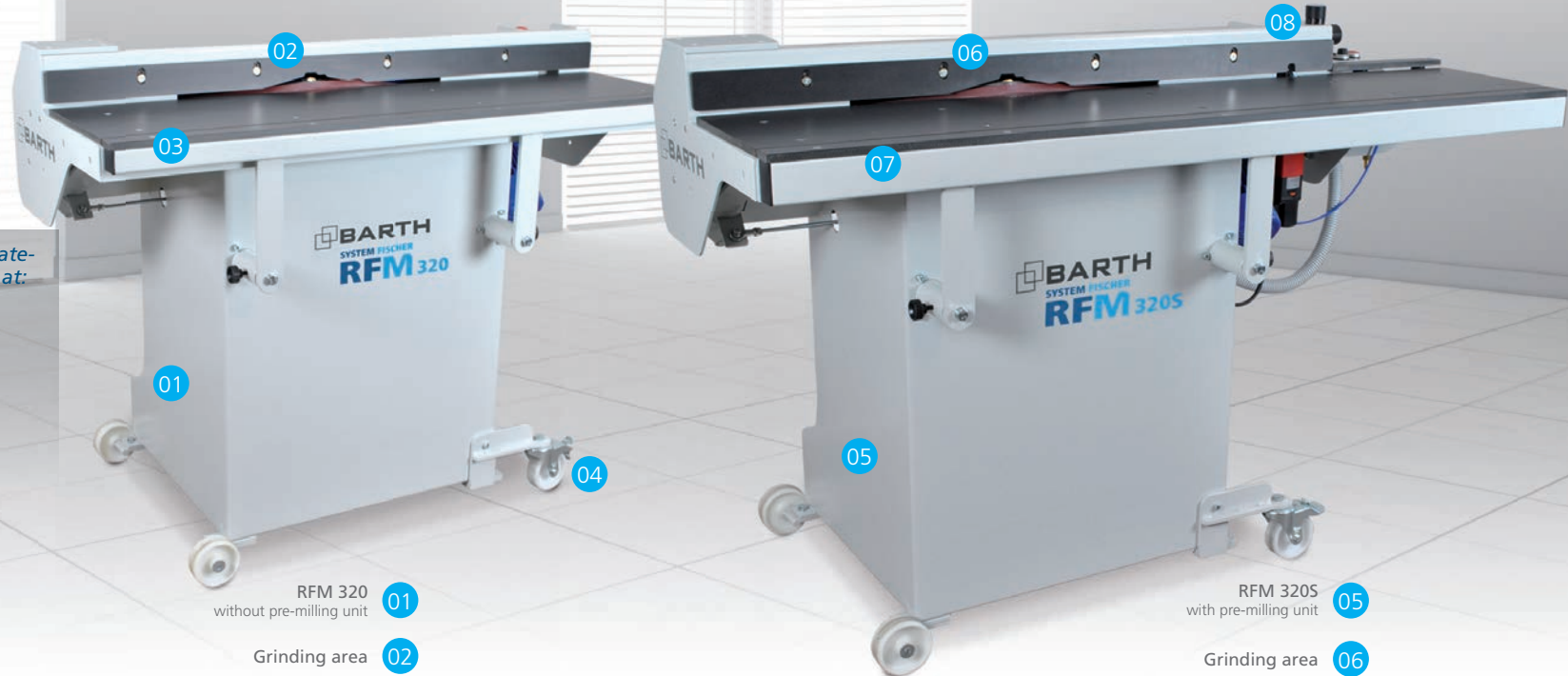
> Radii grinding



> Chamfer grinding



> Pre-milling



RFM 320  
without pre-milling unit 01

Grinding area 02

Workpiece support  
extendable by 380 mm  
(Included in SET-Variant) 03

Chassis  
(Included in SET-Variant) 04

RFM 320S  
with pre-milling unit 05

Grinding area 06

Workpiece support  
extendable by 380 mm  
(Included in SET-Variant) 07

Pre-milling unit  
easily adjustable 08

References of BARTH GmbH

# Our machines in use



**Oldenburger**  
innovations in wood

Oldenburger Möbelwerkstätten GmbH  
www.oldenburger.com

**SAUTER**  
— Pianofortemanufaktur —

CARL SAUTER  
Pianofortemanufaktur GmbH & Co KG  
www.sauter-pianos.de

Trade ...



Theo Würzburger GmbH  
www.schreinerei-wuerzburger.de

**Sindern Küchen**  
Individuelle Küchenarchitektur

Sindern Küchen GmbH  
www.sindern.de



JOKO Wohnmobil  
www.joko-wohnmobil.de



s-quadrat konzepte GmbH  
www.s-quadrat-konzepte.de

Industry ...



Palmberg Büroeinrichtungen  
+ Service GmbH  
www.palmberg.de



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www.wolf-heiztechnik.de



Einrichtungshaus & Küchenstudio  
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Möbel und Raum GmbH & CO. KG  
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www.athmer-und-soehne.de



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a family affair since 1877

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Design Comoposite GmbH  
www.design-composite.com

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Open and honest advice

High quality standards

Innovative products

High value in use

Regional suppliers

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