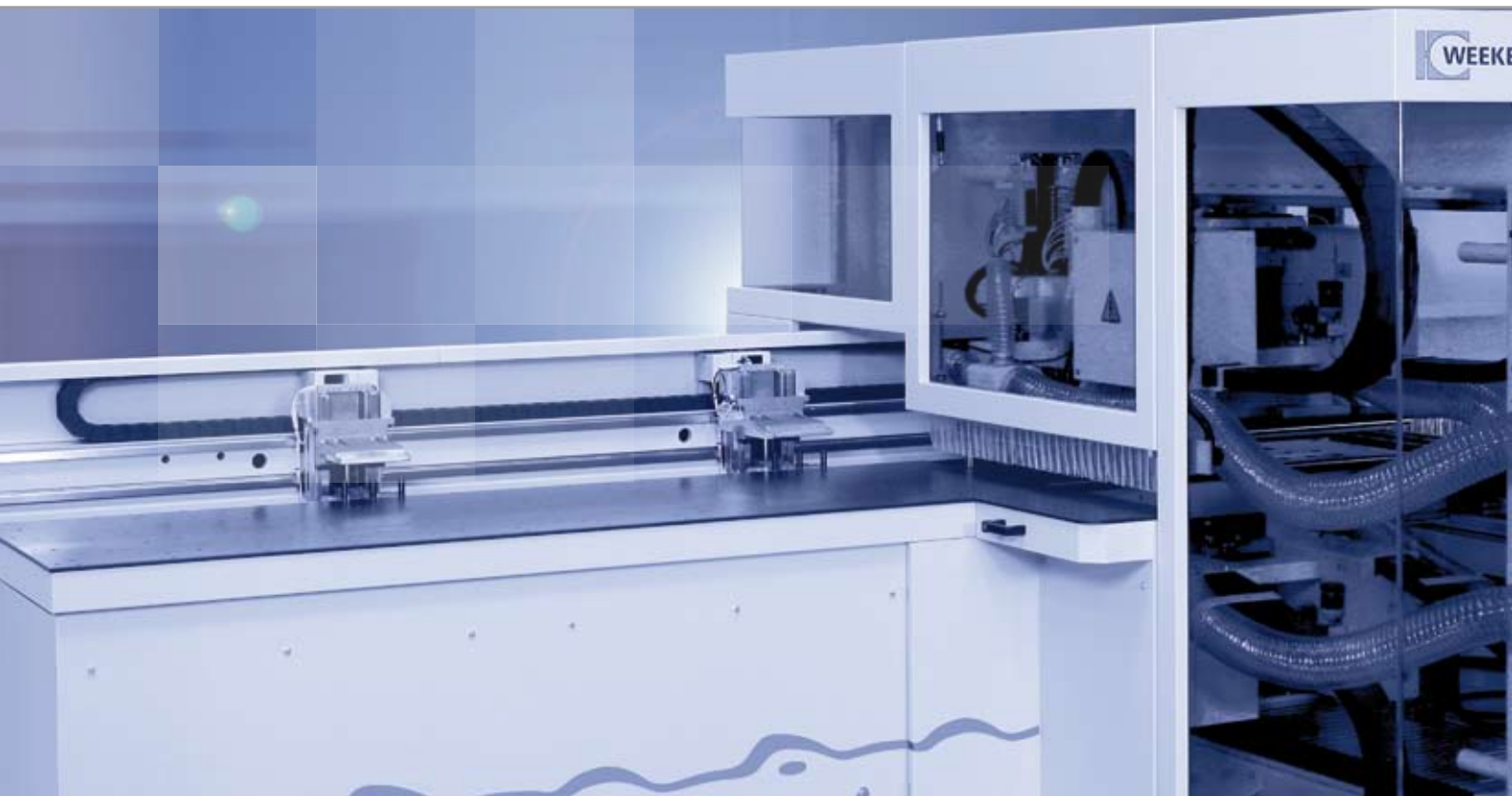


CNC Gantry-Processing Center Optimat BHX 500 series



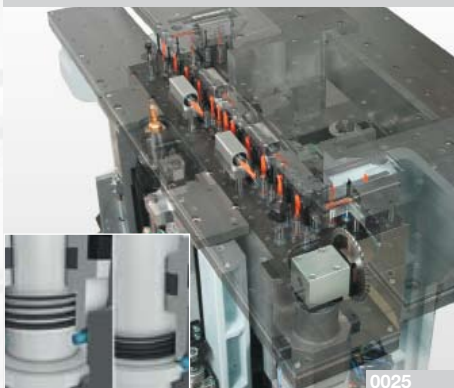
CNC Xtreme

The new BHX 500 series – There's no limit to flexibility

Highlights:

- Workpiece thickness up to 80 mm
- Controlling of the workpiece thickness
- Measuring of the workpiece length
- Driving speeds up to 130 m/min
- High-Speed drilling (1500 - 7500 RPM)
- Automatic spindle clamping system - patented
- Sealed »long-life« linear guiding system
- Selectable operator side
- Smooth-Pressure® System
- TBO-System®
- »The simple way« – optimal access to the processing aggregates
- Interface for handling solutions (e.g. robots, portal feeder etc.)
- 5- or 6-sided processing of the workpieces
- Double panel processing in one step

Configuration



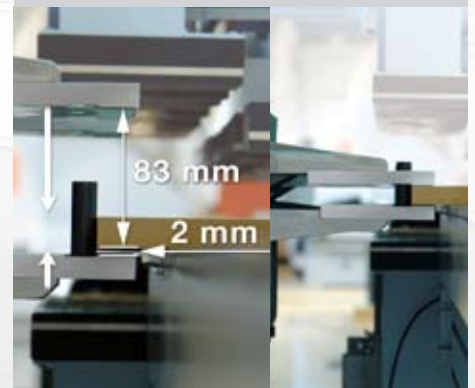
- Spindles: 2 x 32 vertical
- 2 x 8 horizontal in X | 2 x 2 horizontal in Y
- Grooving saw: 2 x 90° swivable in X- and Y-direction
- Routing spindle: 2 x 6 kW ETP

Clamping-Device-System



- Fast and precise - no set-up times
- Measuring system for workpiece length
- Controlling system for workpiece thickness
- Workpiece thickness up to 80 mm (2 x 40 mm)

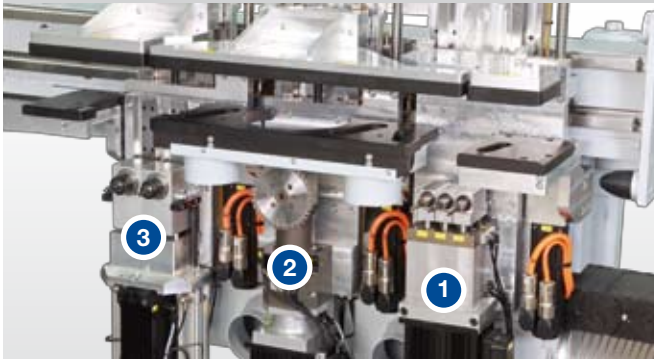
TBO-System®



- No friction points
- Clamping devices clamp and release the workpiece from top AND bottom

Configuration variants "sixth side"

BHX 560 | BHX 560/D



- Variant 1: Drilling aggregate, 3 spindles
- Variant 2: Corner notching saw (0° / 90° / 180°)
- Variant 3: Routing aggregate, 2 spindles

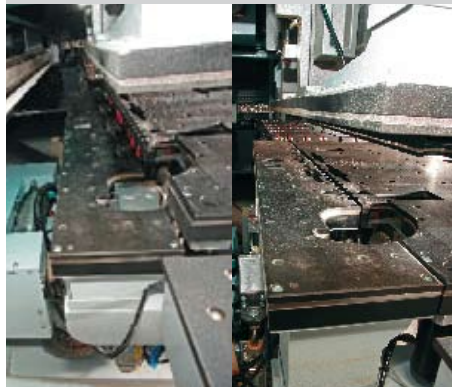


»The simple way«



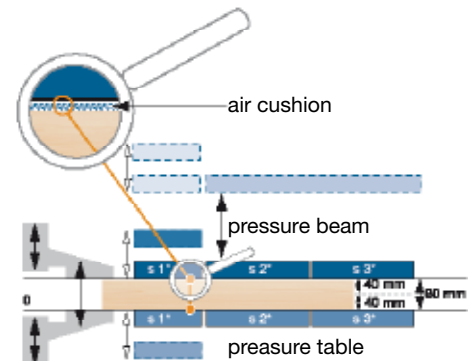
- If necessary the operator receives quick and simple access to the processing aggregates

Separated pressure beam



- By lowering the front table part, the processing one the fixed side edge is easy and safe to handle.

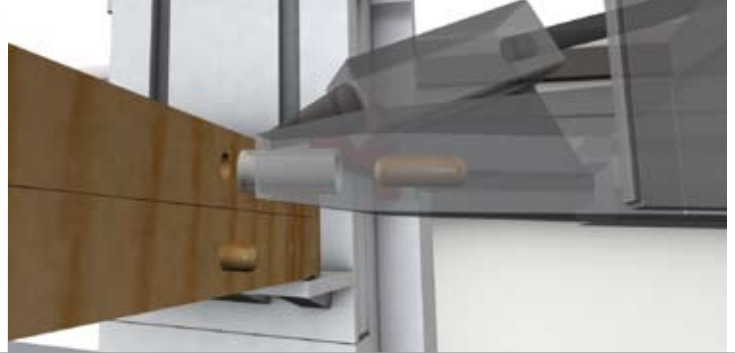
Smooth-Pressure® System



- The pressure beam and the pressure table create a small but very solid air cushion
- Optimal and smooth feeding of the workpieces
- Controlled air consumption



- Due to the 2 dowel inserting tools the flexibility for minimal lot sizes is also secured



Outfeeding section



- Frequency-controlled outfeed transport
- Material-protective handling via 8 electro-pneumatic controlled disengaging devices

power control PC85



- 17" TFT-monitor
- Intel®Core™ 2 Duo Processor
- Modem
- USB frontside bus
- Ethernet connection 10/100 Mbit
- Ergonomic hand terminal
- Position of the switch cabinet »freely selectable« (left/right)

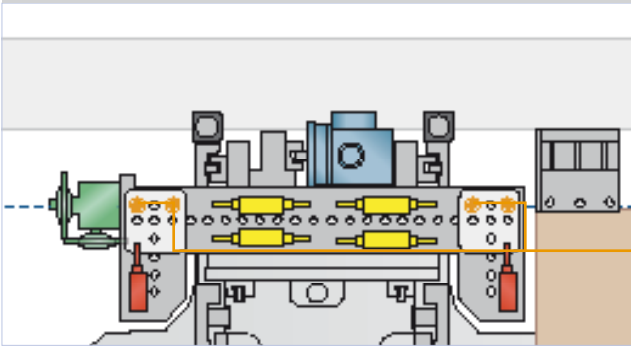
Software package



- woodWOP, MCC, MDE Basic

Technical data

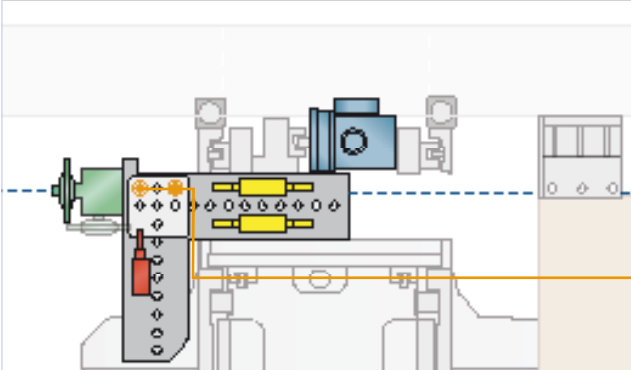
Configuration 0025



- 2 x 32 spindles
- 2 x 8 horizontal in X
- 2 x 2 horizontal spindles in Y
- 2 x swiveling grooving saw (90°)
- 2 x 6 kW ETP routing spindle

● **OPTION 3934:**
additional packet: 2 x 4 vertical spindles

Configuration 0026



- 2 x 21 spindles
- 2 x 4 horizontal spindles in X
- 2 x 1 horizontal spindles in Y
- 2 x swiveling grooving saw (90°)
- 2 x 6 kW ETP routing spindle

● **OPTION 3936:**
additional packet: 2 x 2 vertical spindles

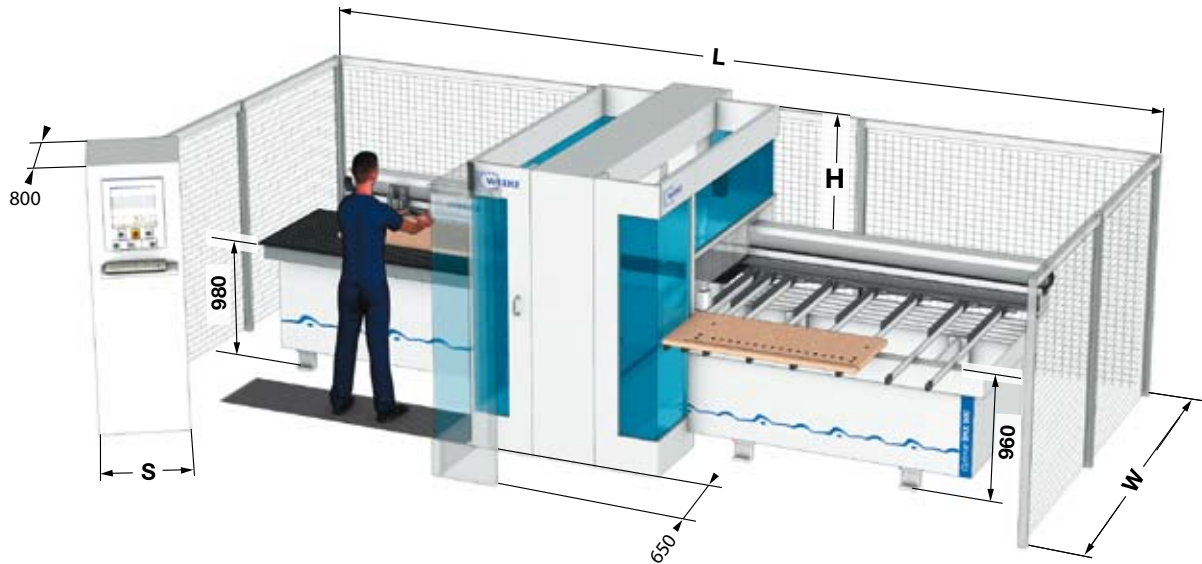
Handling example with the Optimat ABD 100 and a vertical buffer



Technical data

Dimensions

in mm



Position of the control cabinet »freely selectable«

Setting up dimensions	BHX 500	BHX 500/D	BHX 560	BHX 560/D
L	7300 / 287.4	8050 / 316.9	9000 / 354.3	9400 / 370.1
W	3650 / 143.7	4550 / 179.1	3650 / 143.7	4550 / 179.1
H	2100 / 82.7	2100 / 82.7	2100 / 82.7	2100 / 82.7
S	800 / 31.5	800 / 31.5	1000 / 39.4	1000 / 39.4
				mm / inch

You may contact us - WORLDWIDE

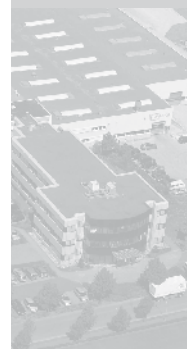


- Teleservice possibility via basic internet-connection (TSN-possibility)
- Competent spare parts service
- WEEKE Communication: Up-to-date information at all times: www.weeke.com
- Any questions, new ideas, criticism & praise to: info@weeke.de

Technical Data		BHX 500	BHX 500/D	BHX 560	BHX 560/D
Workpiece feeding dimensions	mm	2500 x 1300	2500 x 1300	2500 x 1300	2500 x 1300
Workpiece dimensions	mm	2500 x 1000	2500 x 1000	2500 x 1000	2500 x 1000
Rapid traverse speed X - Y - Z-axis	m/min	138 - 80 - 50	138 - 80 - 50	138 - 80 - 50	138 - 80 - 50
Compressed air connection	inch	1"	1x1" + 1x1/2"	1"	1x1" + 1x1/2"
Compressed air required	bar	7	7	7	7
Dust extraction port	mm	2x Ø 280	2x Ø 280	2x Ø 280 1x Ø 160	2x Ø 280 1x Ø 160
Dust extraction volume	m³/h	min. 2x 4450	min. 2x 4450	min. 2x 4450	min. 2x 4450
Electrical power - total connection load	kW	19,5	19,5	23,5	23,5
Total machine weight	kg	appr. 5500	appr. 5700	appr. 6000	appr. 6200

Member of the HOMAG Group

Contact



WEEKE Bohrsysteme GmbH
Benzstrasse 10-16
33442 Herzebrock-Clarholz
GERMANY
Tel.: +49 5245 445-0
Fax: +49 5245 445-139
info@weeke.de - www.weeke.de