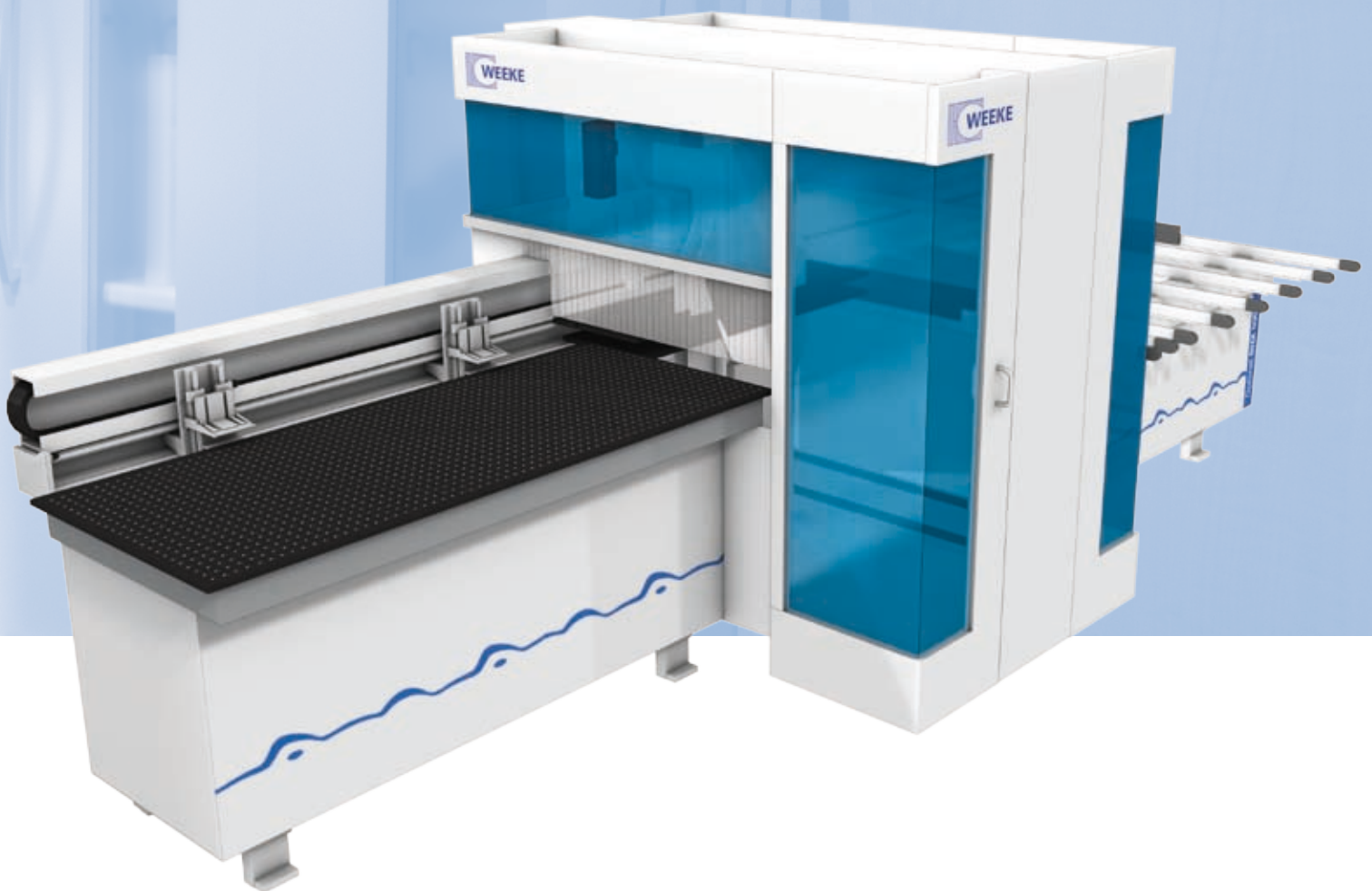


Optimat BHX 500 CNC-Processing Center



Optimat | profi line | power line



Optimat BHX 500

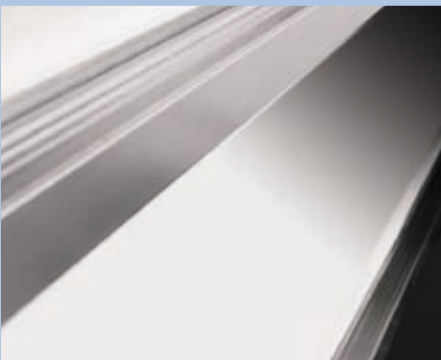
Workpiece dimensions:
max. 2500 x 1000 x 80 mm
min. 200 x 70 x 4 mm

Highlights:

- Smooth-Pressure® System
- One man operation
- Interface for machine compatible Handling (e.g. roboter, gantry feeder etc.)
- 5-sided processing of the workpieces
- Two panel processing (2 x 40 mm)
- Workpiece thickness up to 80 mm
- Automatic measuring of the workpiece thickness
- Driving speeds up to 130 m/min
- High-Speed drilling (1500 - 7500 RPM)
- Automatic spindle clamping system - patented
- Sealed 'long-life' linear guiding system

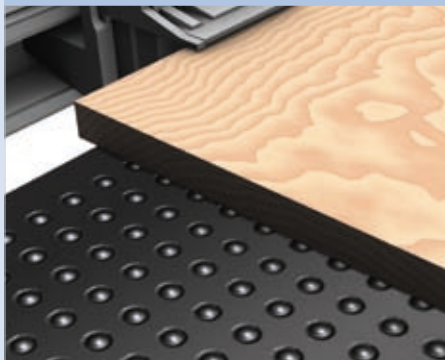


Linear guiding system



Sealed 'long-life' linear guiding system

Air cushion table



Flexible and simple handling

Clamping-Device-System



Fast and precise – No set-up times



power control



- 15" TFT monitor
- CD-writer
- Ergonomic hand terminal
- Position of the control cabinet 'freely selectable'
- USB frontside bus
- Modem

woodWOP



Software

- Modern software based on Windows®
- More than 10.000 installations worldwide

MCC



Software

- Modern and simple control of main machine functions through soft keys
- Graphic loading
- Optimized space

DXF-Postprocessor



Software

- The DXF format for the exchange of CAD drawings is used as the basis for woodWOP programs

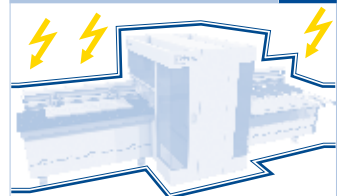
MDR



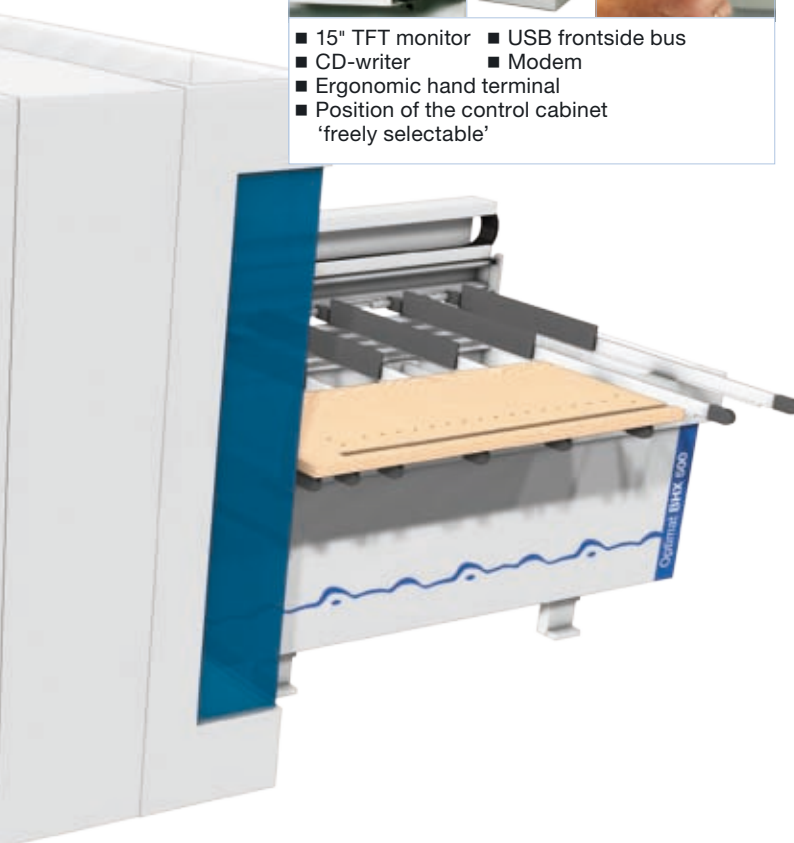
Software

- Machine Data Recording - collecting and evaluating machine states via time meter and event meter

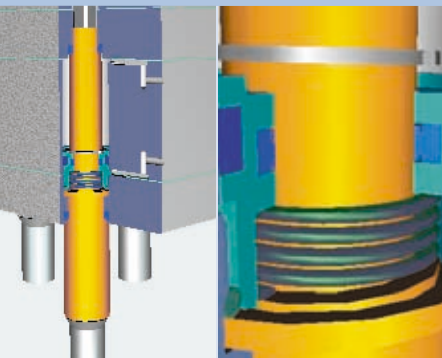
UPS



- Protects the computer against damage in case of mains interruption

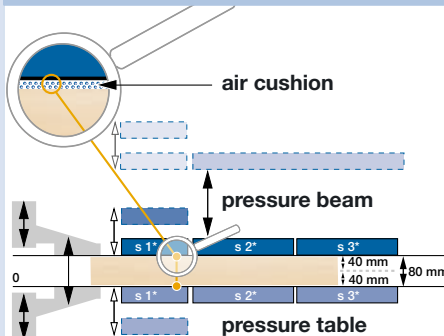


Automatic spindle clamping system



Patented system for exact drilling depth at any time with different materials

Smooth-Pressure® System



Creation of a small but very solid air cushion
 → optimal, smooth feeding of the work piece
 → controllable air consumption

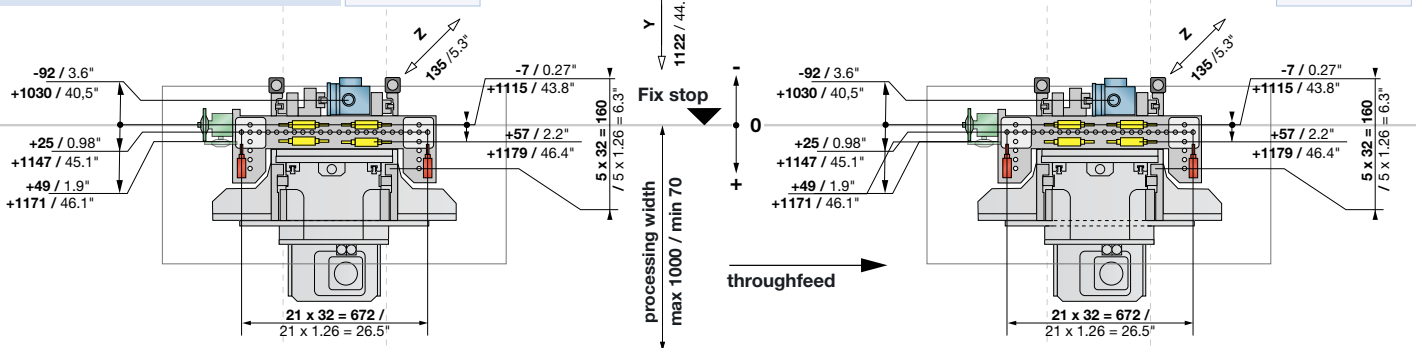
Option: Alternating operating side



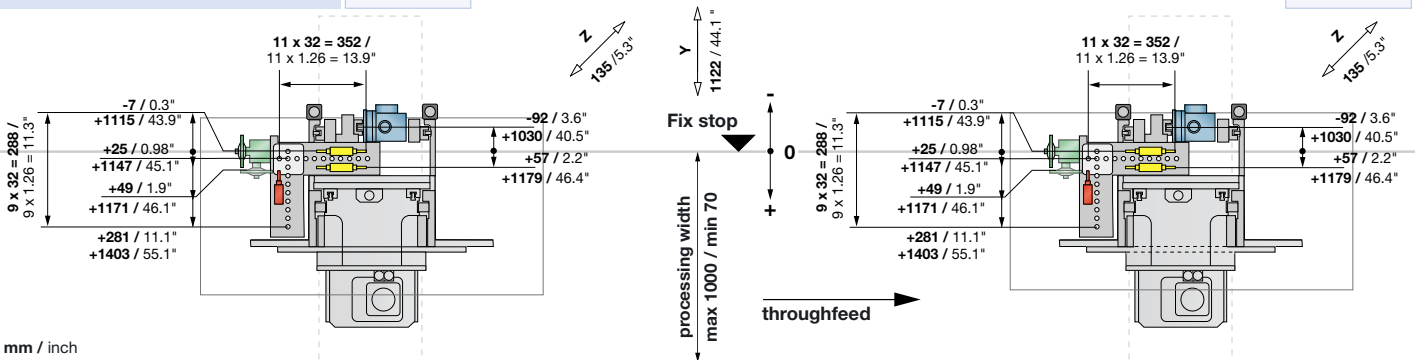
Flexible construction. Depending on the production flow, it is possible to choose the side of infeed resp. outfeed

Optimat BHX 500

Example of configuration 1



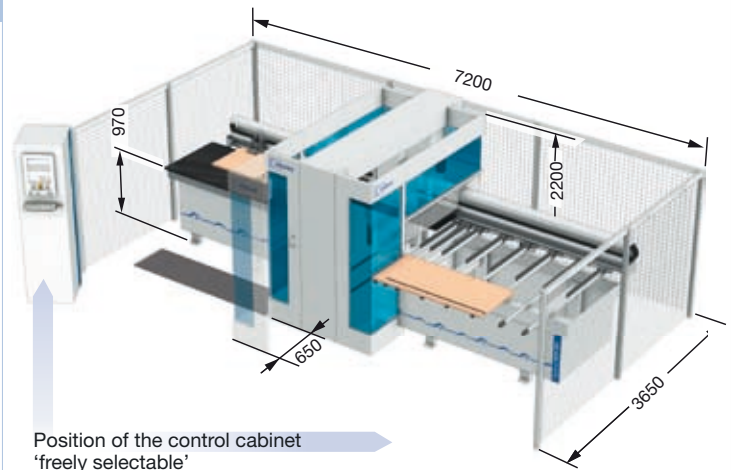
Example of configuration 2



Contact us!



- Teleservice possibility via basic modem connection
- 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

| | | |
|------------------------------------------|-------------------|---------------|
| Travel range X - Y - Z-axis | mm | 2500 x 1300 |
| Rapid traverse speed X - Y - Z-axis | m/min | 138 - 80 - 50 |
| Compressed air connection | inch | 1" |
| Compressed air required | bar | 7 |
| Dust extraction port | mm | Ø 280 |
| Dust extraction volume | m ³ /h | min. 5500 |
| Workpiece dimension | mm | 2500 x 1000 |
| Electrical power – total connection load | kW | 19 |
| Total machine weight | kgs | appr. 4000 |



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