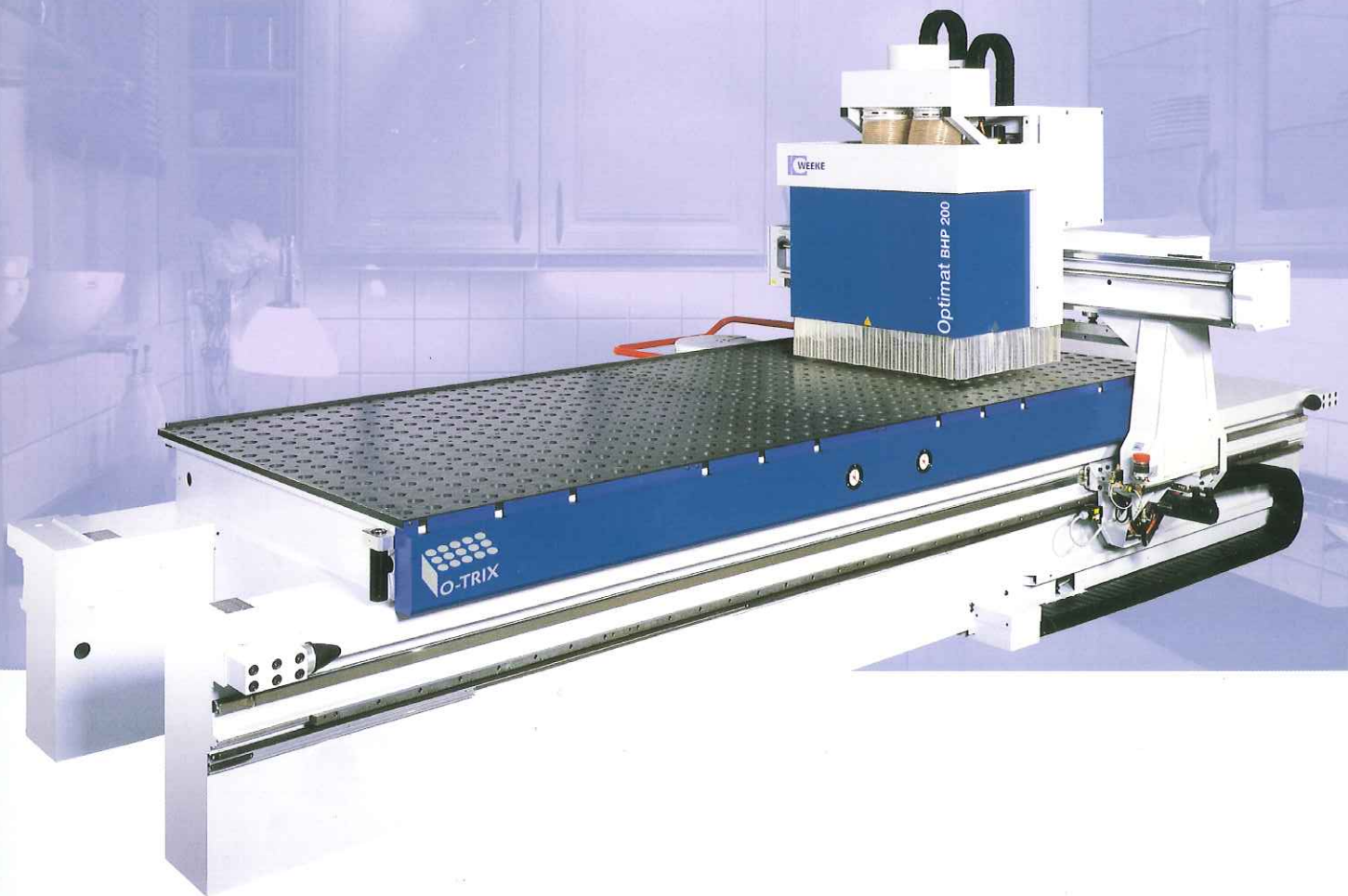


Optimat BHP 200 CNC-Gantry Processing Center



Optimat | profi line | power line



Optimat BHP 200

Working field:
3700 x 1550 x 100 mm

Highlights:

- The whole working field is reachable with all processing tools
- 500 m³/h vacuum pump in standard
- 9 kW HSK- routing spindle
- High-Speed Drilling (1500-7500 RPM)
- Automatic spindle clamping system - patented
- Up to 19 tool changer places possible
standard: 8-fold
option: 14-fold
option: 5-fold
- Sealed "long-life" linear guiding system



Gantry style



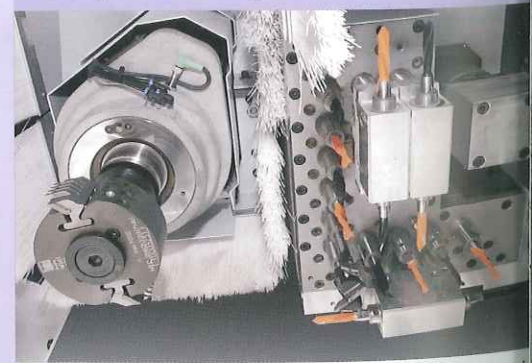
For precise processings - especially for nesting of complete boards / workpieces

Stable Machine Frame

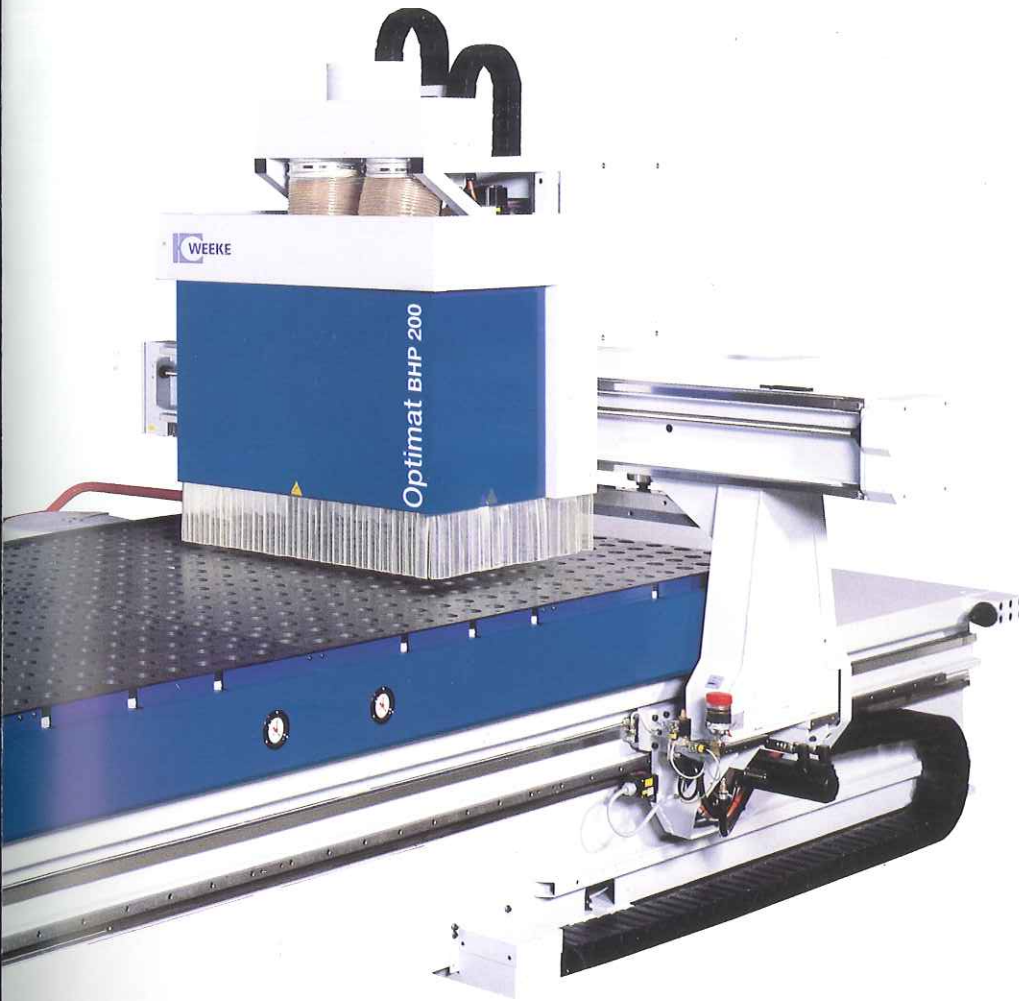


Absorbing any resonance and frame flexing - also under heaviest processing

Example of configuration



- 10 vertical drilling spindles
- 9 kW HSK routing spindle
- Option: grooving saw (Ø 125 mm/90°), horizontal drilling spindles

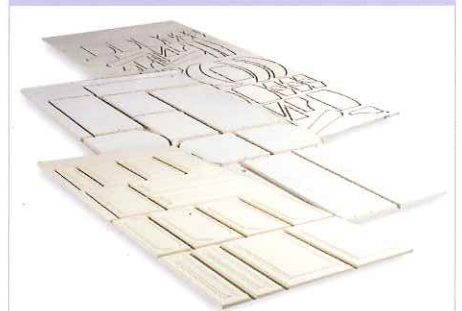


power control



- 15" TFT monitor
- CD-writer
- Modem
- USB frontside bus

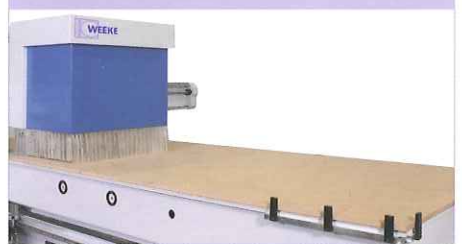
Example for processings



- nesting
- parts and components
- doors



Table version NB



Pictures may also show options

Tool pick-up station



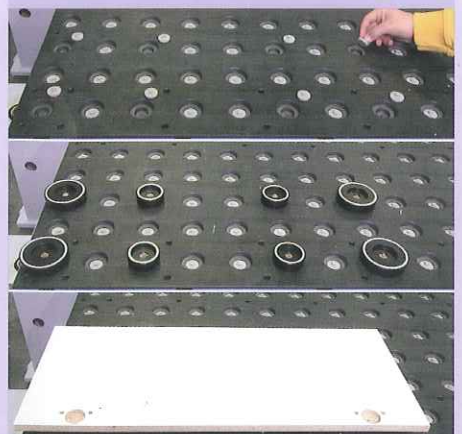
Secure and fast feeding of the tool changer

Efficient extraction



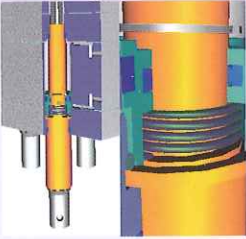
The extraction is separated to each working unit (router or drilling unit)

Option: O-Trix table





Automatic spindle clamping system



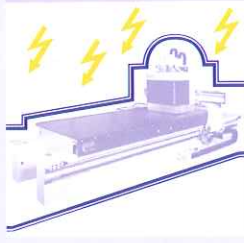
Patented system for exact drilling depth at any time with different materials

Linear guiding system



Sealed "long-life" linear guiding system

UPS



Protects the computer against damages in case of mains interruption

Option: O-Trix Modules



Different vacuum cups available

Option: Tool changer



14-fold tool changer in X-direction

Option: »Office to Machine«



Production list interface

Option: C-Axis



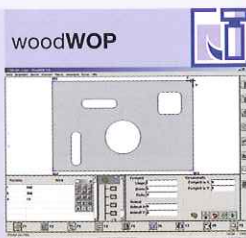
0-360°

Option: Feeding out device and air cushion function for O-Trix



For workpieces or coverboard inclusive extraction

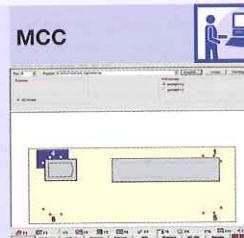
Software



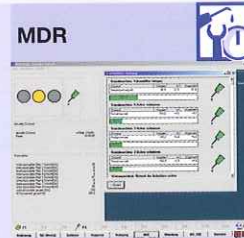
- Modern software based on Windows®
- More than 10.000 installations worldwide



- Simulates the processing in the order it is stored in the NC-program
- Allows time calculation
- Collision check of the vacuum cups



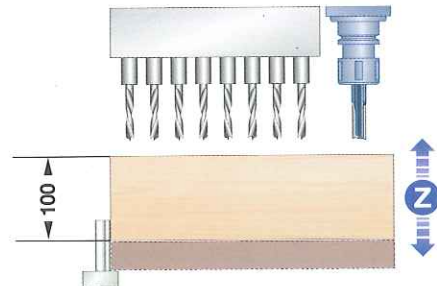
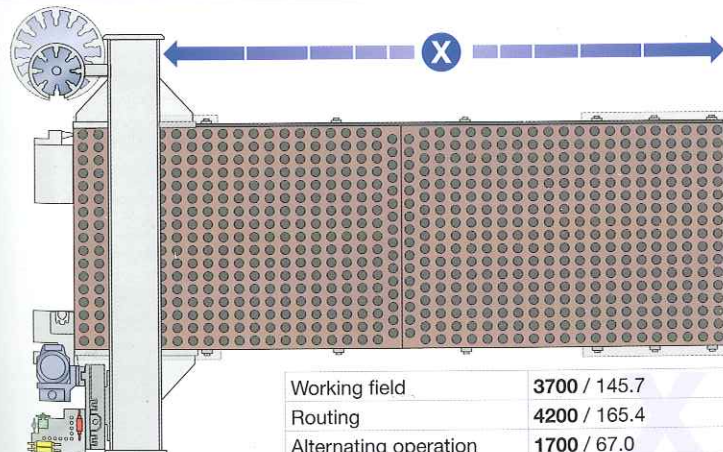
- Modern and simple control of main machine functions through soft keys
- Graphical loading
- Optimized space



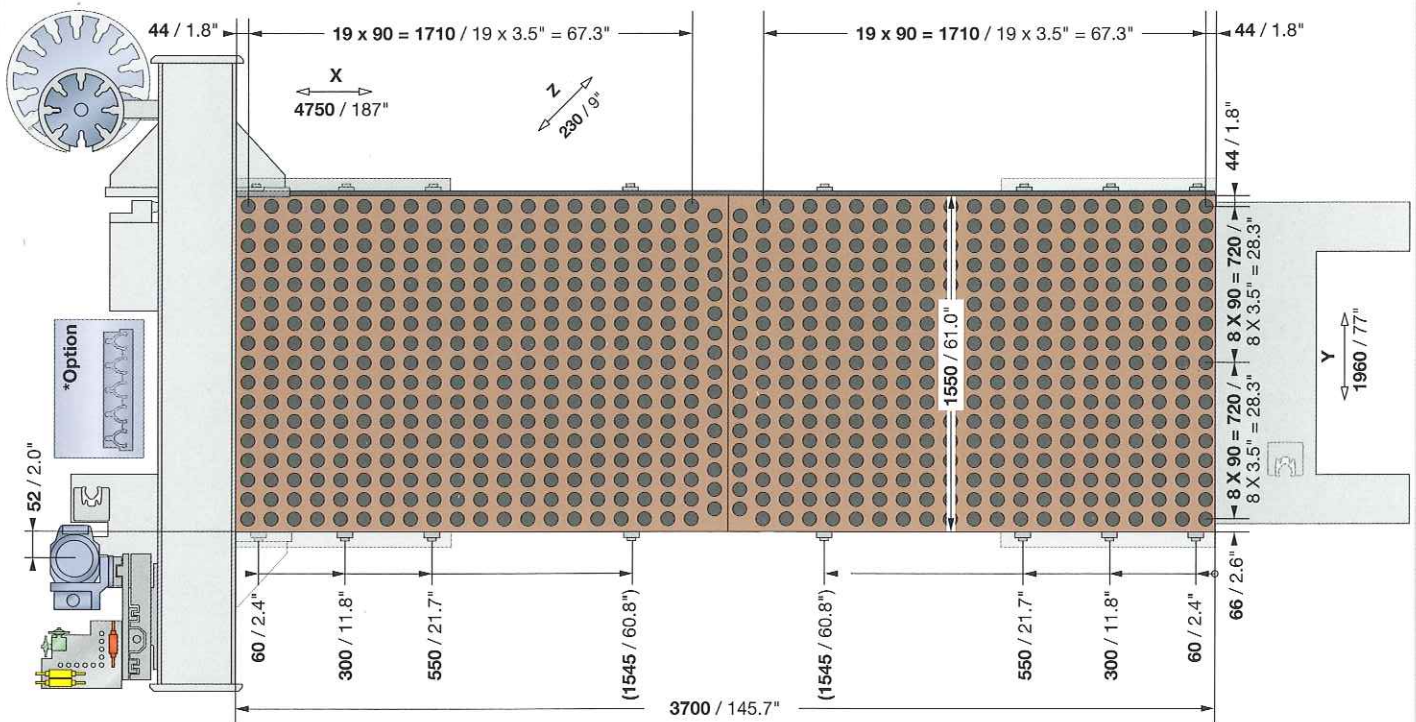
- Machine Data Recording - collecting and evaluating machine states via time meter and event meter®



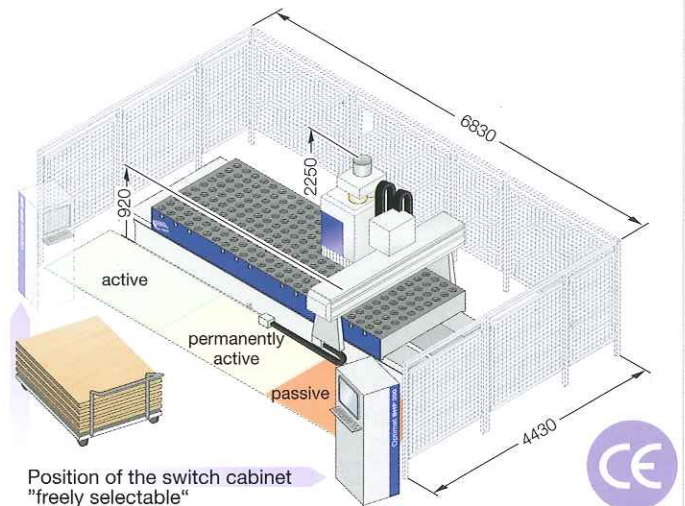
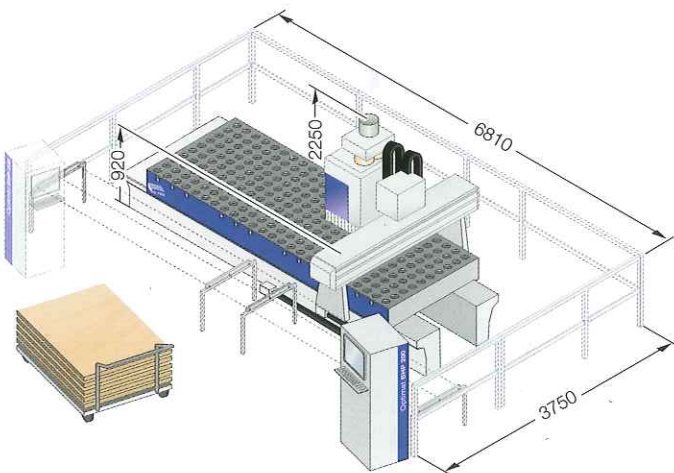
- Cutting and machining optimized in one program
- generate complete woodWOP programs including all machining steps
- Material optimization, as a result cost reduction



| | | | |
|-----------------------|--------------|-------------|-----------|
| Working field | 3700 / 145.7 | 1550 / 61.0 | 100 / 4.0 |
| Routing | 4200 / 165.4 | 1550 / 61.0 | 100 / 4.0 |
| Alternating operation | 1700 / 67.0 | | |
| Two-field operation | 1040 / 41.0 | mm / inch | |



mm / inch



Position of the switch cabinet
"freely selectable"

TECHNICAL DATA

| | | |
|--|-------|-------------------|
| Travel range X - Y - Z | mm | 4750 - 1960 - 230 |
| Rapid traverse speed X - Y - Z | m/min | 50 - 40 - 20 |
| Compressed air connection | inch | R 1/2" |
| Compressed air required | bar | 7 bar |
| Dust extraction port | mm | Ø 250 |
| Dust extraction volume | m³/h | min. 4950 |
| Workpiece length X - Y - Z | mm | 3700 - 1550 - 100 |
| Electrical power - total connection load | kW | 31 |
| Total machine weight | kg | appr. 5100 |



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