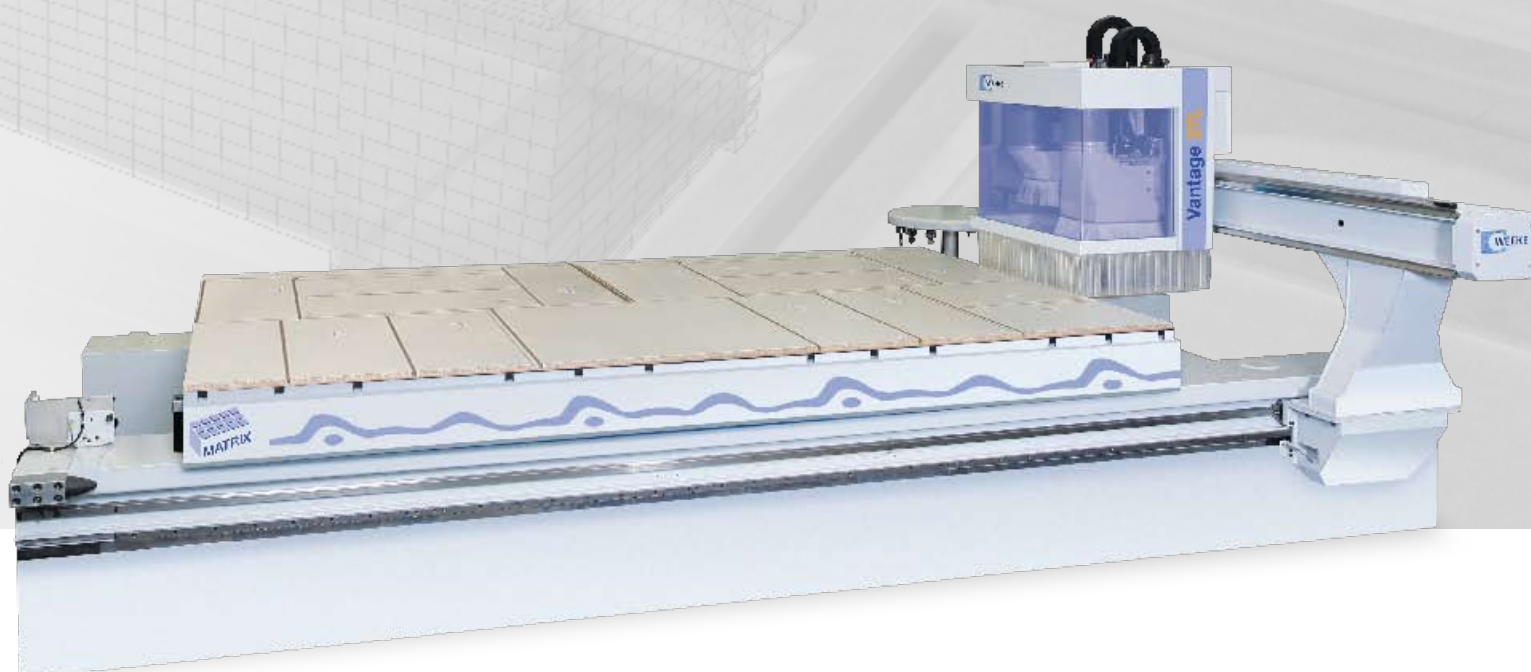


CNC Gantry-Processing Center Vantage 37L

Nesting Solutions



Optimat | profi line | power line

Vantage 37L

CNC-TECHNOLOGY



Highlights:

- The fastest and heaviest machine in its class
 - ➔ 105 m/min vector speed
 - ➔ 5.900 kgs (Total machine weight)
- The whole working field is reachable with all processing tools
- 500 m³/h vacuum pump on standard
- High-Speed drilling (1500-7500 RPM)
- Automatic spindle clamping system - patented
- 9 kW HSK- routing spindle
- 14-fold tool changer
- C-axis
- Electronic surveillance of all stops
- Sealed »long-life« linear guiding system
- Software bundle for machine and PC
- Toolbox »STARTER KIT«



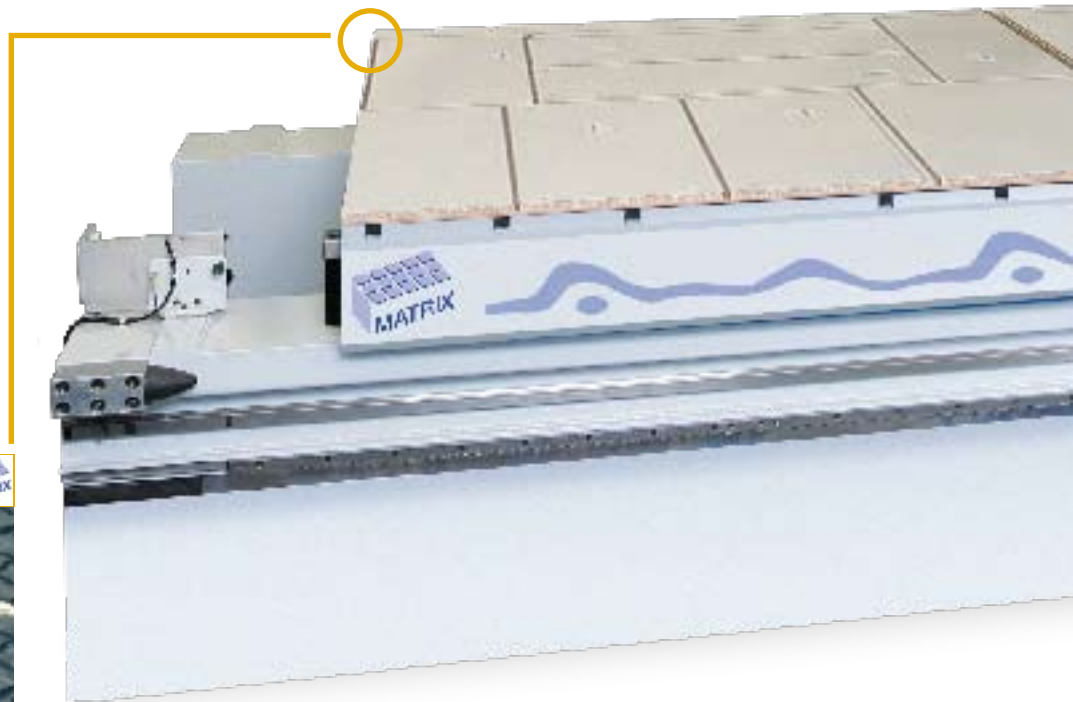
»Quality is the result of skill, motivation – and location«

Our CNC processing centers are already offering the technology of the future.

Why? – Tradition. »Made in Germany« is our motivation and our commitment. Customers around the world have come to expect the highest standards from this quality label.

And we meet those expectations.





MATRIX table



Electronic cylinder surveillance



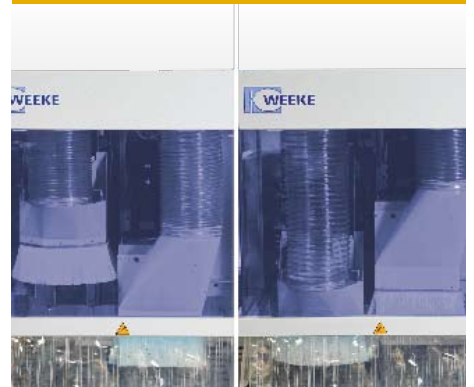
Enhanced security with the electronic surveillance of lower cylinder positions at all integrated stops

Standard configuration | V10



- 10 vertical drilling spindles
- 9 kW HSK routing spindle
- Horizontal drilling in X + Y (optional)
- Swivelling grooving saw (Ø 125 mm/90°) (optional)

2 Z-axes



Efficient dust extraction - the dust extraction is separated to each working unit (router or drilling unit)



Standard



Option

Tool changer



14-fold tool changer in X-direction

Tool pick-up station



Secure and fast feeding of the tool changer magazine

Gear Rack System



Ensures highest quality and up to 105 m/min vector speed

All inclusive – »Standards«

power control PC-85T



- 17" TFT-monitor
- CD-RW device & Modem
- USB frontside bus
- Ethernet connection 10/100 Mbit
- Ergonomic hand terminal
- Position of the remote terminal »freely selectable« (left/right)

UPS



Protects the computer against damages in case of mains interruption

Linear guiding system



Sealed »long-life« linear guiding system

Toolbox »STARTER KIT«



Top equipment - from the very start

Gantry style



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

Automatic spindle locking system



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

C-axis



0-360° - more flexible processing possibilities

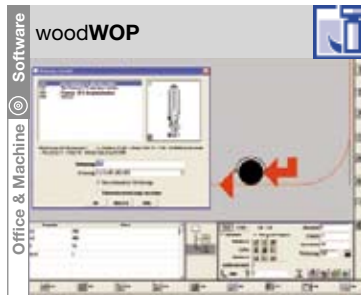
Powerful vacuum generator



500/600 m³/h - 50/60Hz



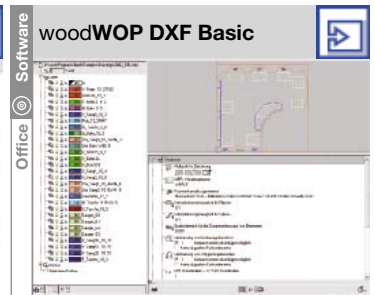
Simple 3D construction of furniture including a parts list output and export of cut plans



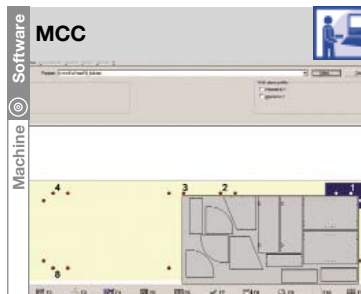
- Modern software based on Windows®
- More than 15.000 installations worldwide



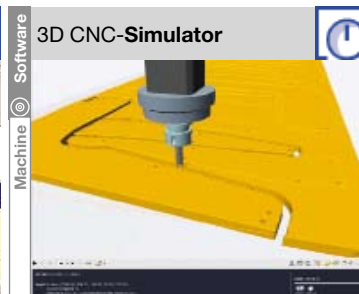
- Entry nesting software - simple & easy
- woodWOP-programs (individual parts) can be directly nested manually (drag and drop)



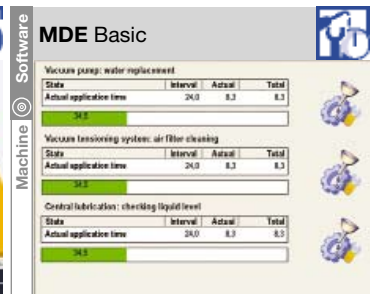
- Interface for CAD-Data Import
- Basis to generate woodWOP programs



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



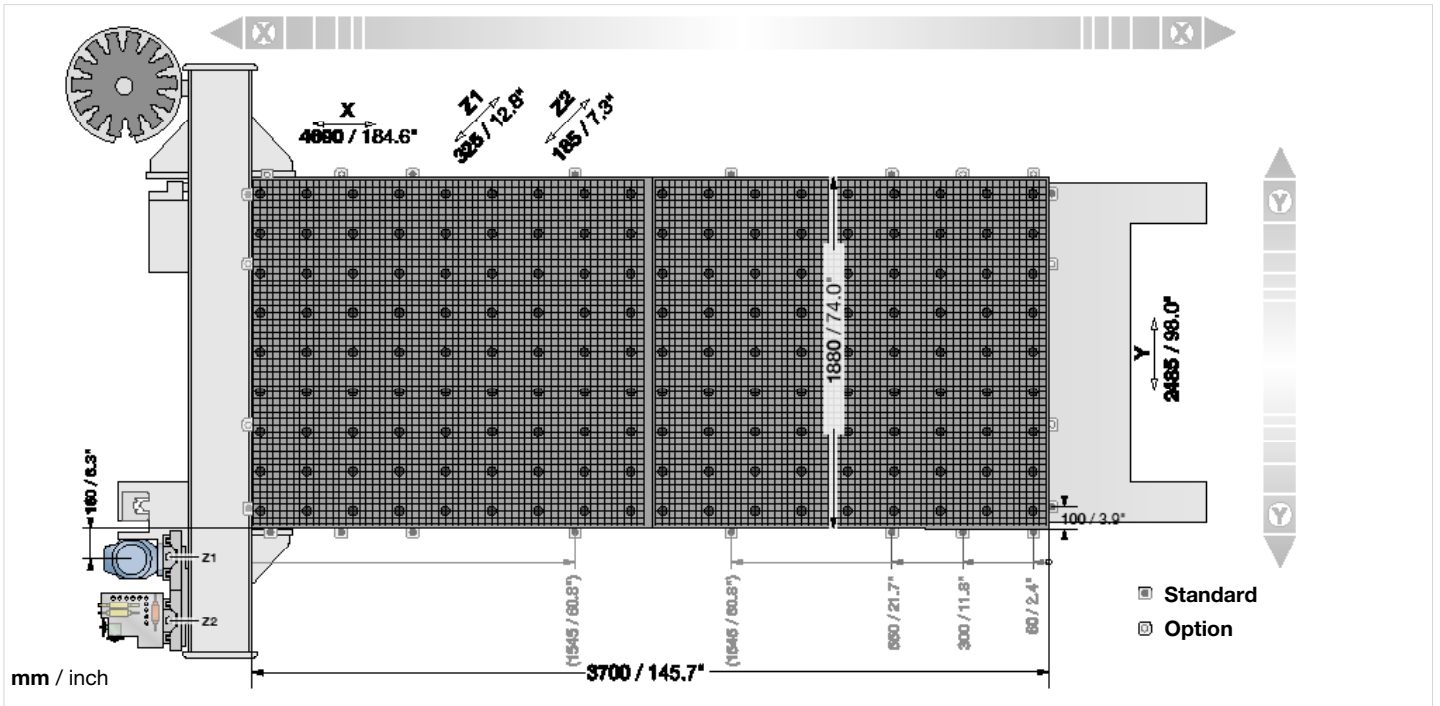
- Simulates the processing in the order it is stored in the NC-program
- Allows time calculation
- Collision check of the vacuum cups



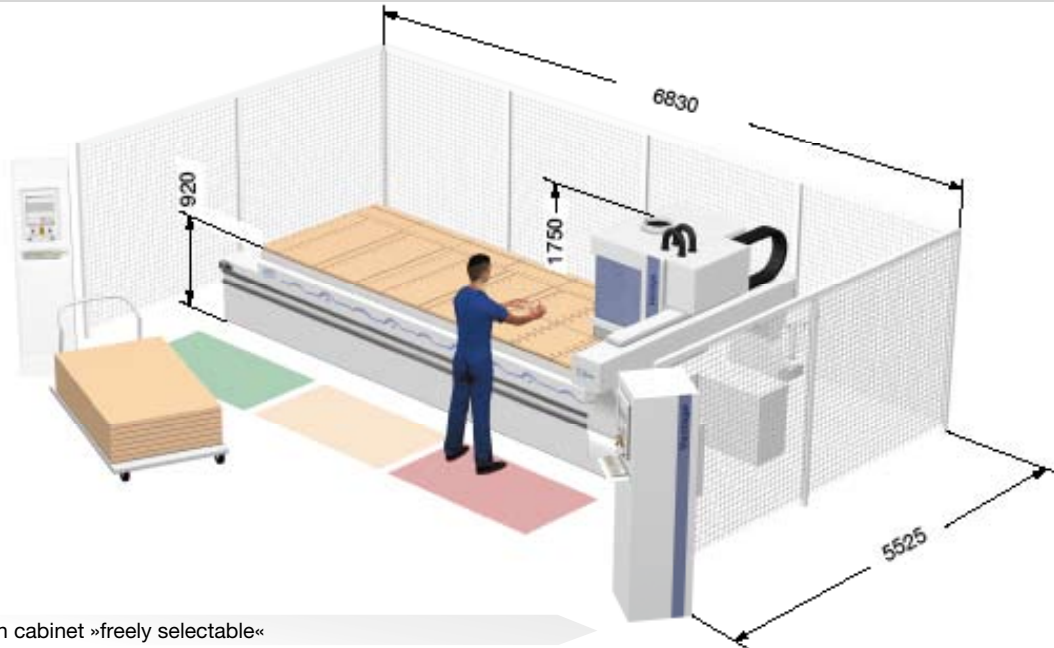
- Machine Data Recording - collecting and evaluating maintenance intervals via time meter

Software Machine for the machine
 Software Office for the office PC

Technical data



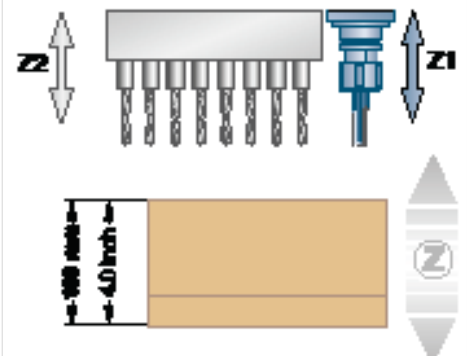
mm



Position of the switch cabinet »freely selectable«

| | X | Y | Z |
|---------------|--------------|-------------|---------------------------------|
| Working field | 3700 / 145.7 | 1880 / 74.0 | 100 / 4.0 |
| Travel range | 4690 / 184.6 | 2485 / 98.0 | Z1: 325 / 12.8 Z2: 185 / 7.3 |
| | | | mm / inch |

| | | |
|--|-------|------------|
| Vector speed X/Y - Z-axis | m/min | 105 / 20 |
| Compressed air connection | inch | R ½ |
| Compressed air required | bar | 7 |
| Dust extraction port | mm | Ø 200 |
| Dust extraction volume | m³/h | min. 3170 |
| Electrical power – total connection load | kW | 29,5 |
| Total machine weight | kg | appr. 5900 |



Options

Horizontal High-Speed



- Horizontal drilling spindles 2X*1/2Y²
- Swivelling grooving saw (90°)³

Tool length control



After tool change a control of the length is carried out and checked with the tool data file

Additional powerful vacuum generator



- 500/600 m³/h - 50/60 Hz

Air-conditioning



Air-conditioned cabinet

Vacuum cups | MATRIX



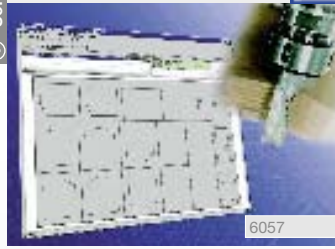
- 0230: Vacuum cups 168 x 78 x 26 mm
- 0232: Vacuum cups 198 x 168 x 26 mm

O-TRIX table



Optionally the O-TRIX table is available. The MATRIX table of the basic machine is abolished.

woodNest professional



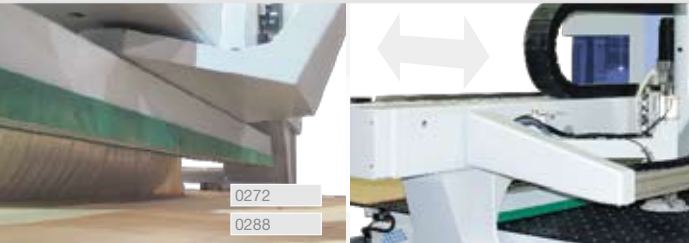
- True shape nesting software
- Generates complete woodWOP programs and optimizes all processing steps
- Cost reduction by material optimization

»OfficetoMachine« Nesting



- Creation and mangement of production lists
- Import interface can be configured as required
- Versatile editor for layout of the barcode label

Push-off device and air cushion function for O-TRIX



- To push off workpieces and coverboard inclusive extraction. The pushing off in both directions is possible.

Examples of processing



Drilling/Routing/Sawing, 2 spindles



1603

Routing, 4 spindles



1605

Routing, 2 spindles



1610

Drilling/Routing, man. inclinable – (0° - 45°)



1617

Cam box router, Ø 16 mm, 2 spindles



1626

Routing vertical with tracing bell



1650

Handling example: Vantage / ABD / KDF



Optimat ABD 100



Highlights ABD 100

- CNC-controlled drill- and dowel inserting machine
- Addition to the processing center or stand-alone solution
- Easy software programming with woodWOP
- Simple and rapid material handling
- No set-up times

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

Part of the HOMAG Group

Contact



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Furniture pictures by kind permission of Möbel Wöstmann, Gütersloh

NOTE: Equipment as described in this brochure is subject to technical changes and further developments. Some photos show options which are not included in the standard machine configuration. Technical data refer to standard equipment and are not binding for the order.