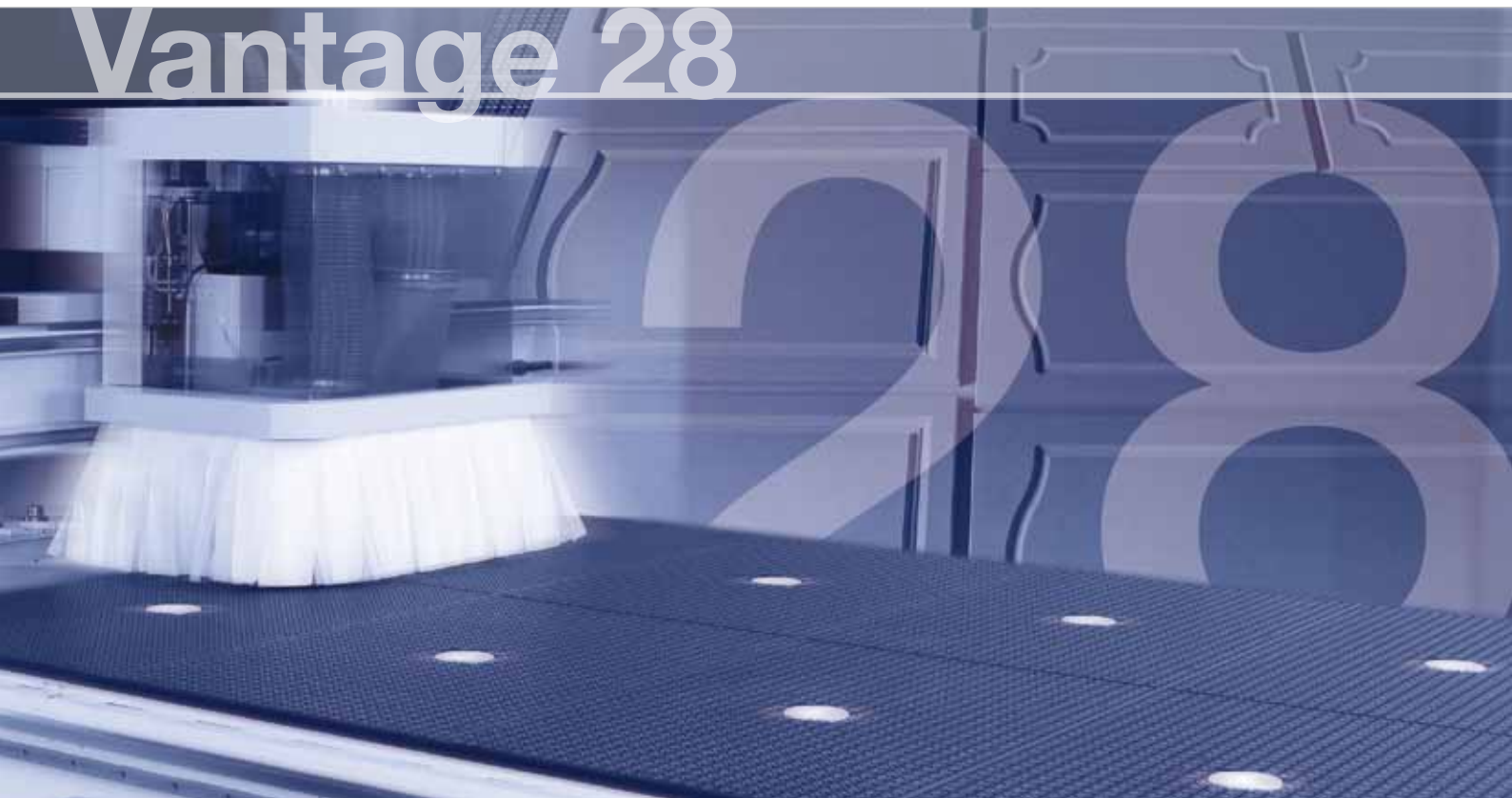
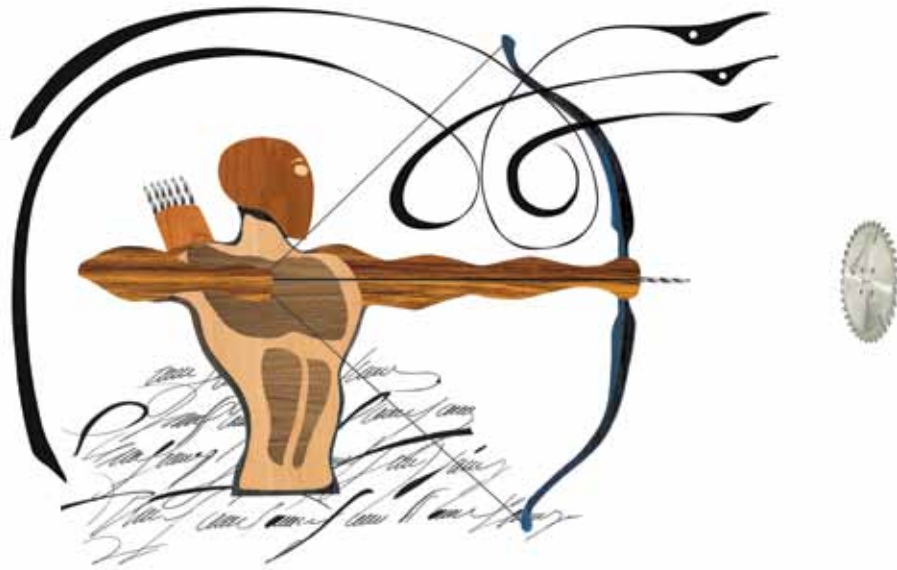


CNC Gantry-Processing Center

Vantage 28





»The market has a continuous demand for new developments.«
The only constant is the desire for quality.



Nesting – it has enormous potential

- **Multifunctional**
- **Powerful**
- **Dynamic**
- **Efficient use of resources**



Vantage 28



Nest & More Vantage
// German Technology



Configuration



12 HP (9 kW) HSK routing spindle

Tool pick-up station



Secure and quick fitting of the tool changer

Tool changing system



12-fold tool changing system

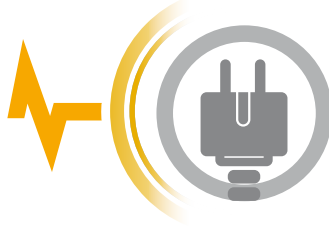
All inclusive – »Standards«

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)

UPS



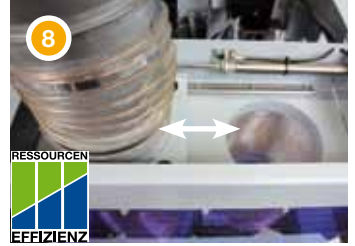
Protects the computer against damages in case of mains interruption

Linear guiding system



Sealed »long-life« linear guiding system

Energy save function: Efficient extraction



Automatic switching between the drill block and main spindle via valve control. Hereby the energy required for extracting is reduced and the extraction efficiency optimized.



Highlights:

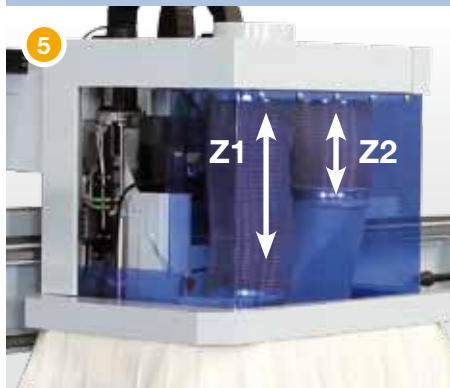
- Gantry style - for highest precision over the total working width
- Vector speed X/Y 96 m/min
- Extremely high acceleration
- Efficient use of energy through high vacuum performances and simultaneously minor power consumption
- 12 HP (9 kW) HSK routing spindle
- 12-fold tool changing system
- 2 synchronised digital servo-drives in X-direction
- Sealed »long-life« linear guiding system
- Software bundle for machine and PC
- 2 CNC-controlled Z-axes

MATRIX table



Very flexible table system for multifunctional clamping systems

2 CNC-controlled Z-axes



- Optimal dust extraction
- Weight distribution of the mass (processing aggregates) to the two Z-axes → more stability, higher processing quality

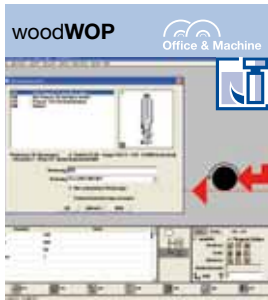
Synchronous drive



2 synchronised digital servo-drives in X-direction guarantee highest processing quality

All inclusive – »Standards«

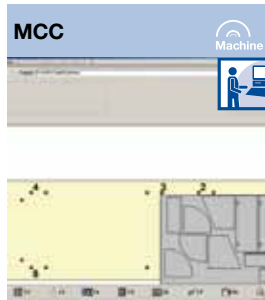
Software | Machine



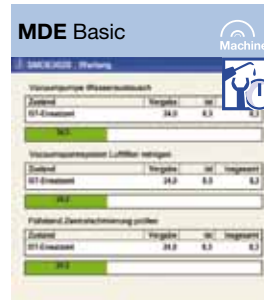
- Modern software based on Windows®
- More than 16.000 installations worldwide



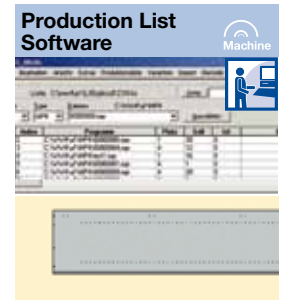
- Simulates the processing in the order it is stored in the NC-program
- Allows time calculation
- Collision check of the vacuum cups



- Simple control of main machine functions through soft keys
- Graphical loading



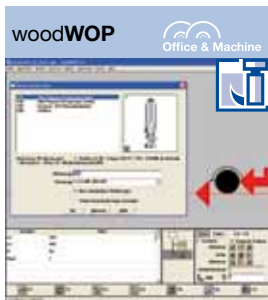
- Machine Data Recording - collecting and evaluating machine states via time meter and event meter



- Managing and creating product lists for individual manufacturing

Pictures may also show options

Software | Office



- Modern software based on Windows®
- More than 16.000 installations worldwide



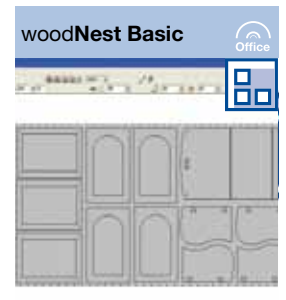
- To visualize woodWOP-programs (MPR) in 3D
- Enables the construction of individual workpieces to finished objects



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



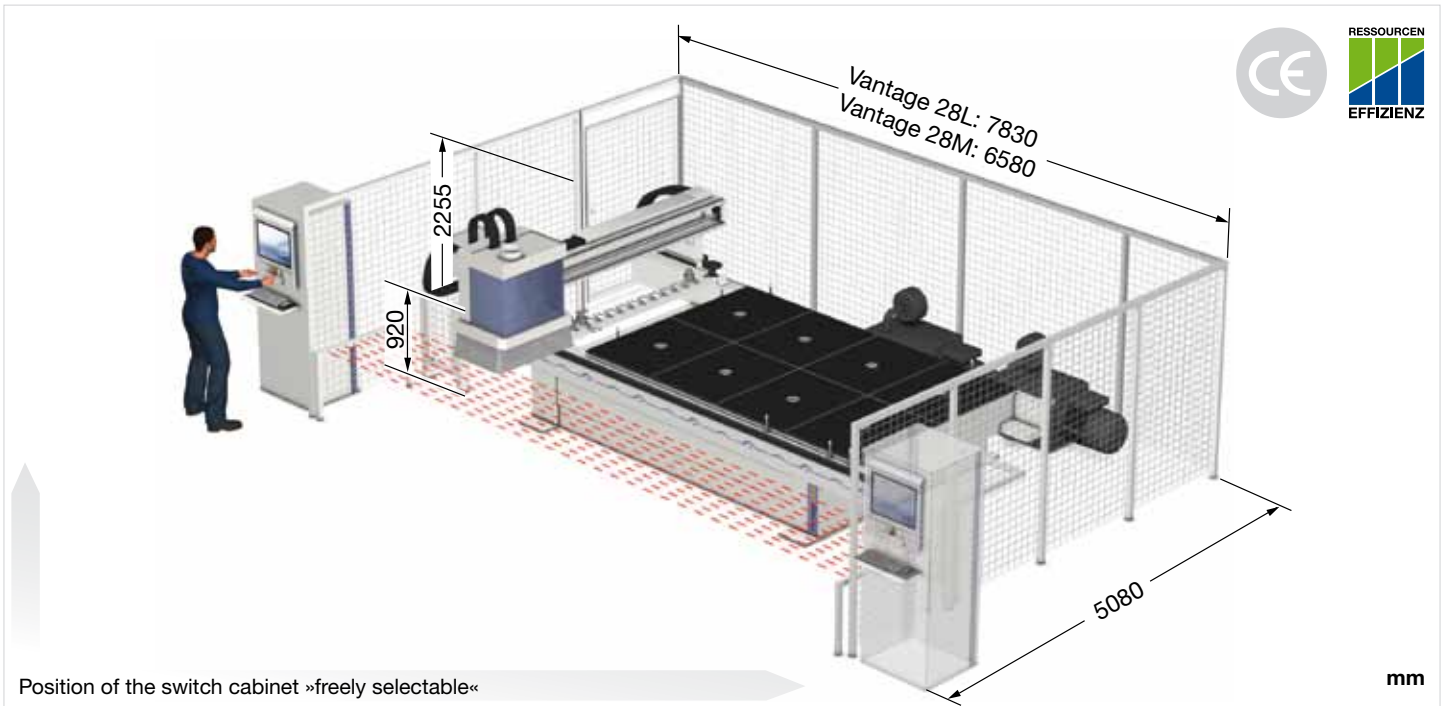
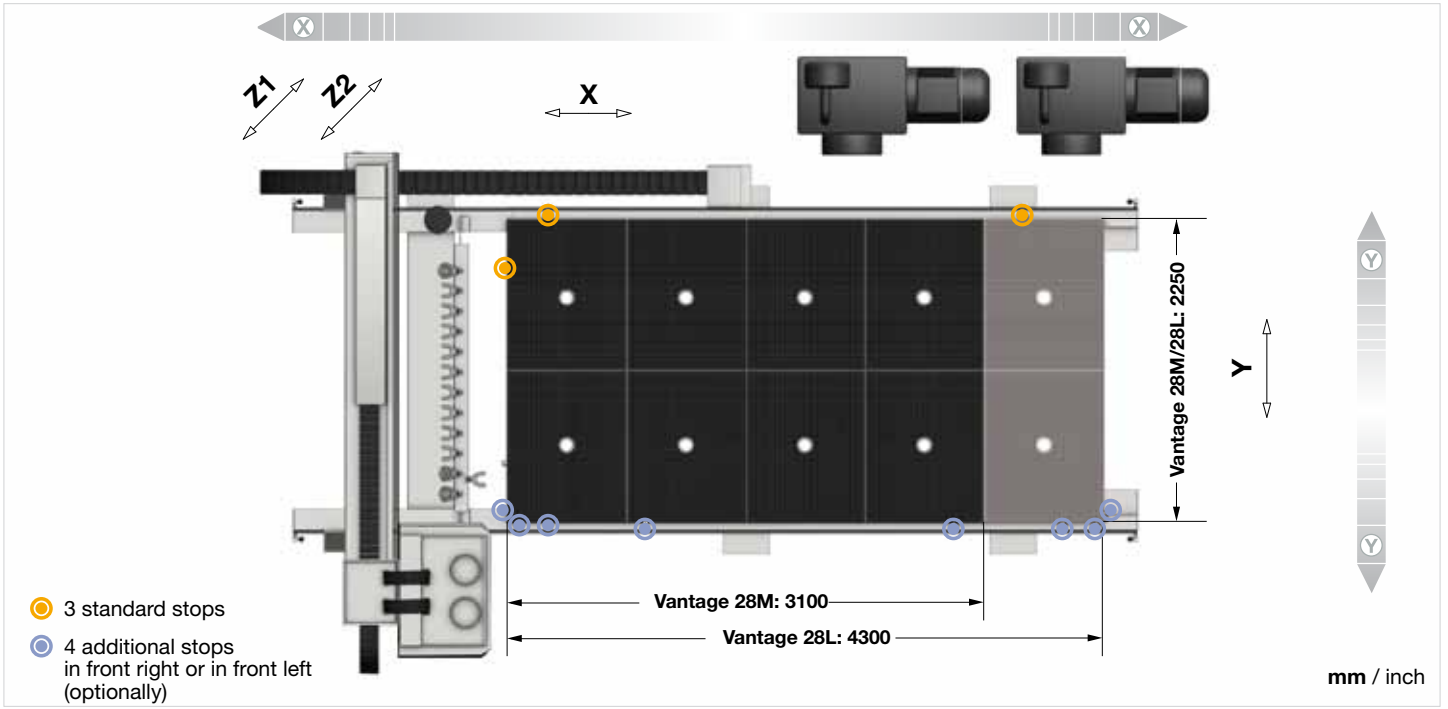
- Interface for CAD-Data Import
- Basis to generate woodWOP programs



- Software for the Nesting of woodWOP-program



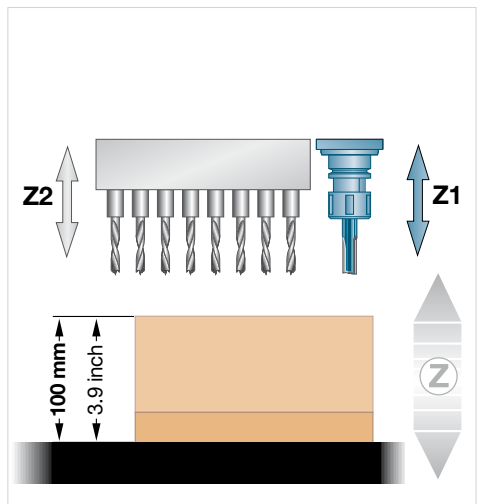
Technical data



	X	Y	Z
Vantage 28M			
Working field	3100 / 122.0	2250 / 88.6	100 / 3.9
Travel range	4290 / 168.9	2826 / 111.3	Z1: 250 / 9.8 Z2: 185 / 7.3
Vantage 28L			
Working field	4300 / 169.3	2250 / 88.6	100 / 3.9
Travel range	5490 / 216.1	2826 / 111.3	Z1: 250 / 9.8 Z2: 185 / 7.3

mm / inch

Vector speed	m/min (X - Y) 96 - (Z) 25
Compressed air connection	inch R 1/2
Compressed air required	bar 7
Dust extraction port	mm Ø 200
Dust extraction volume	m³/h min. 3170
Total machine weight M / L	kg appr. 4500 / 5200
Electrical power – total connection load	kW 28,5

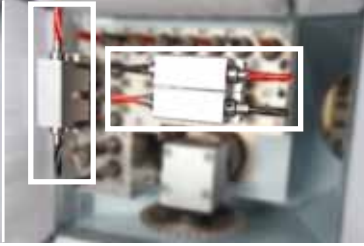


Options

Drilling block | 12 spindles



12 vertical drilling spindles



6 horizontal drilling spindles
(Note: Only in combination with drilling block | 12 spindles)



1 grooving saw \varnothing 125 mm
(0° / 90°)
(Note: Only in combination with drilling block | 12 spindles)

Extendable tool changing system



Upgrade to altogether 23 tool changing places possible (11 additionally)

Tool length control



Following the tool change a tool length control is carried out and compared with the integrated tool data file

CNC set-up trolley



- Processing tools and maintenance aids are centrally available
- Dimensions: appr. 1190 x 600 x 900 mm
- Max. capacity load: appr. 500 kg

Barcode connection



Barcodescanner / -software

Additional vacuum generator



- 300/360 m³/h, 50/60 Hz
- 600/720 m³/h, 50/60 Hz

Central vacuum system



Up to 3 vacuum pumps can be combined

Extension stop system



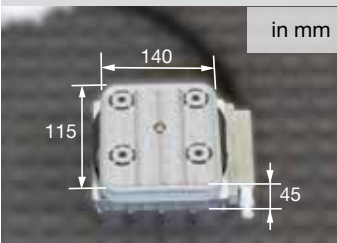
4 pneumatically lowerable aluminium stop cylinders (in front right or in front left)

»Quick Pods«



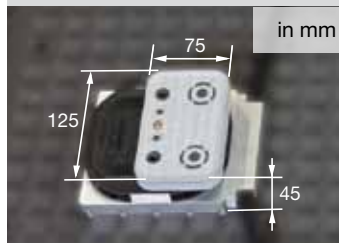
- 2 »Quick Pods« 168 x 78 x 45 mm
- 2 »Quick Pods« 198 x 168 x 45 mm (including stop extensions, vacuum distributor, vacuum tube, retaining rings for vacuum tube)

Vacuum cup for grid table



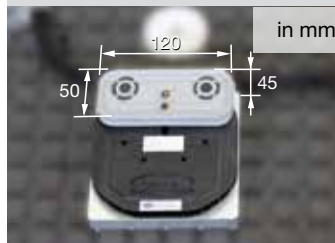
- 115 x 140 x 45 mm

Vacuum cup for grid table



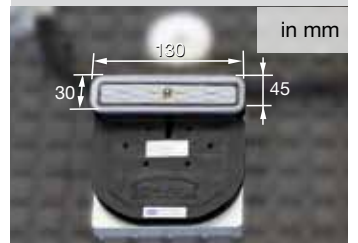
- 125 x 75 x 45 mm

Vacuum cup for grid table



- 120 x 50 x 45 mm

Vacuum cup for grid table



- 130 x 30 x 45 mm

Air-conditioning



Air-conditioned cabinet

Push-Off device for dummy board and workpieces (incl. dust extraction)



The complete Nest is pushed out (e.g. on a transport belt). The integrated dust extraction can carry out additional runs in order to clean the dummy board and workpieces.

Extraction from below



Extraction channel from below to clean the workpieces during exit of the boards

Software



- woodWOP DXF Professional
- MDE Professional
- Barcode Software

woodNest Complete



- »OfficetoMachine« Nesting + woodNest Professional incl. terminal, printer, pc-screen

woodNest Bundle

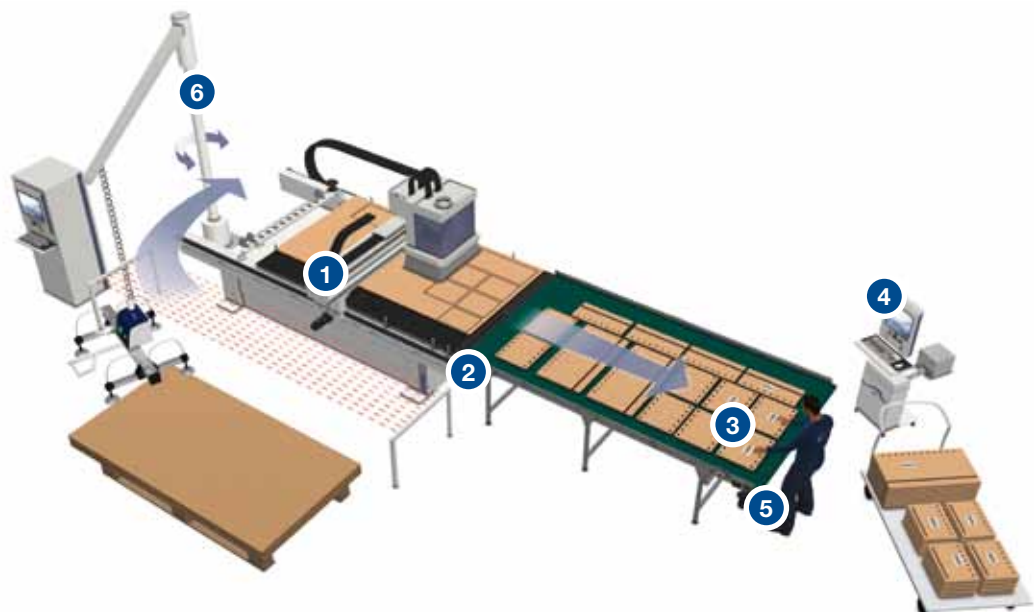
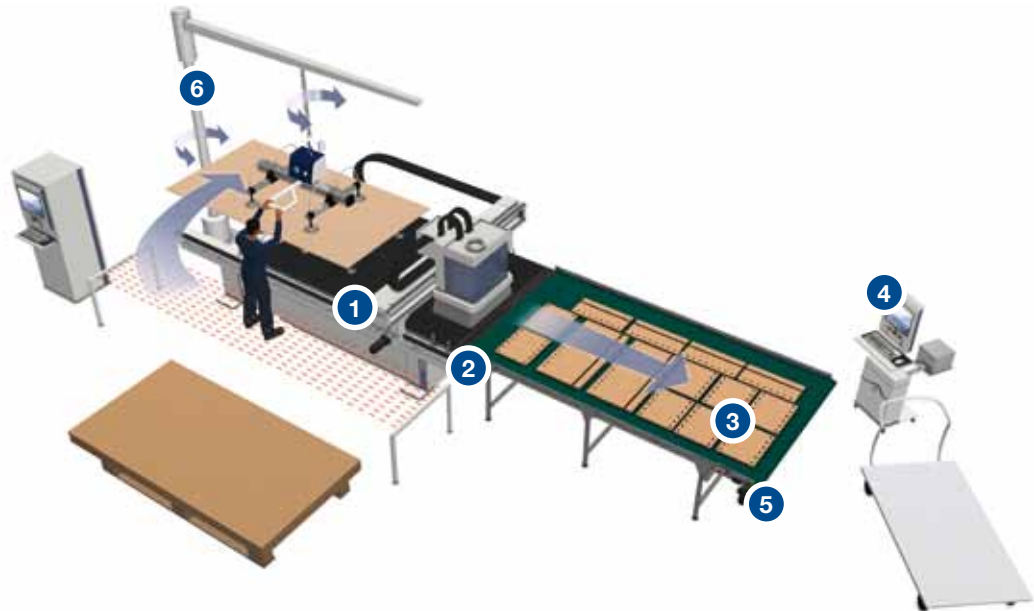
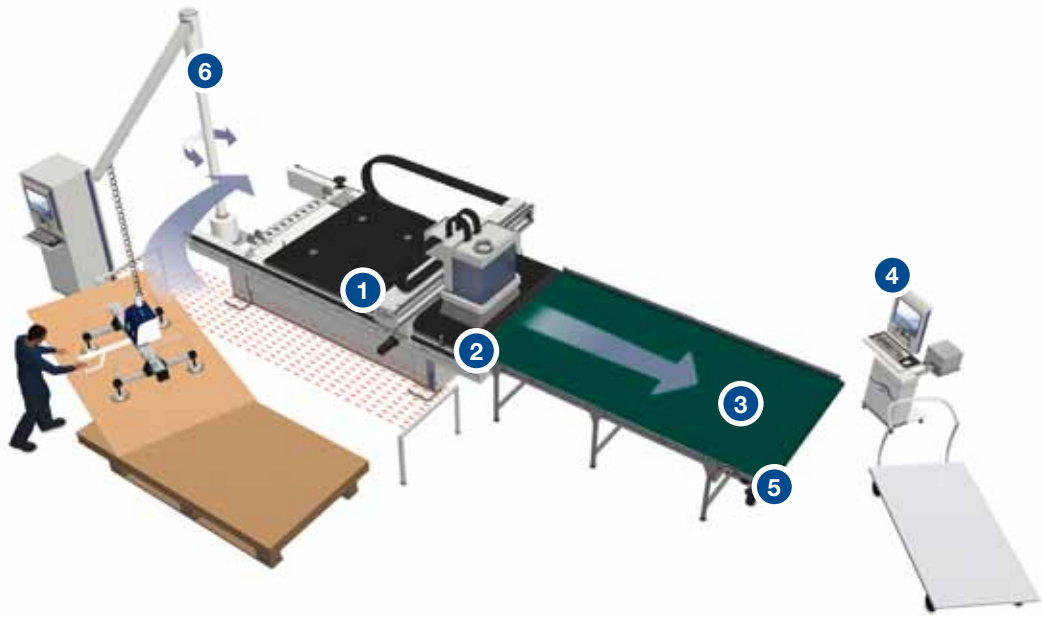


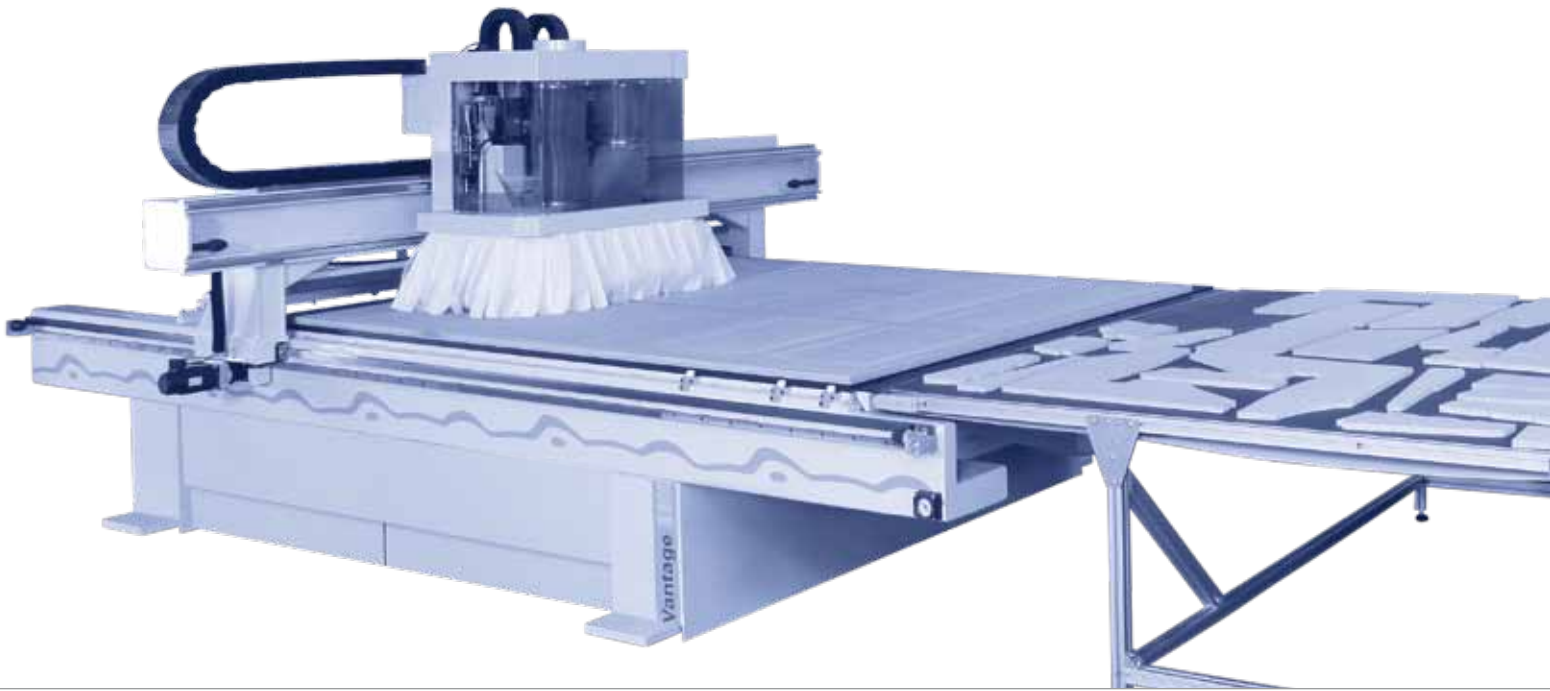
- »OfficetoMachine« Nesting + woodNest Professional



Vantage 28 M
 + Transport belt
 + Vacuum lift
 + Barcode label printer
 → Easy single person operation

- 1 Push-off device with extraction channel to clean the workpiece surface and to push the workpieces onto a conveyor belt.
- 2 Extraction channel from below to clean the workpieces during exit of the boards.
- 3 The transport belt synchronously takes over the workpieces which are pushed out.
- 4 woodNest Complete Terminal, separate TFT screen, PC, label printer with cutting device, for manual application of barcodes).
- 5 Contolled extraction of the workpieces via a safety switch (light barrier, foot switch).
- 6 Vacuum lift to place the workpiece onto the handling table (on site).





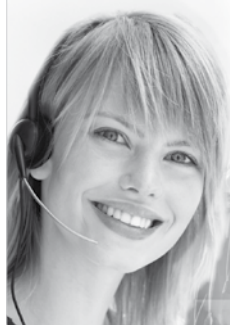


Member of the HOMAG Group



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Choose Success!

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- Any questions, new ideas, criticism & praise to: info@weeke.de

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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.