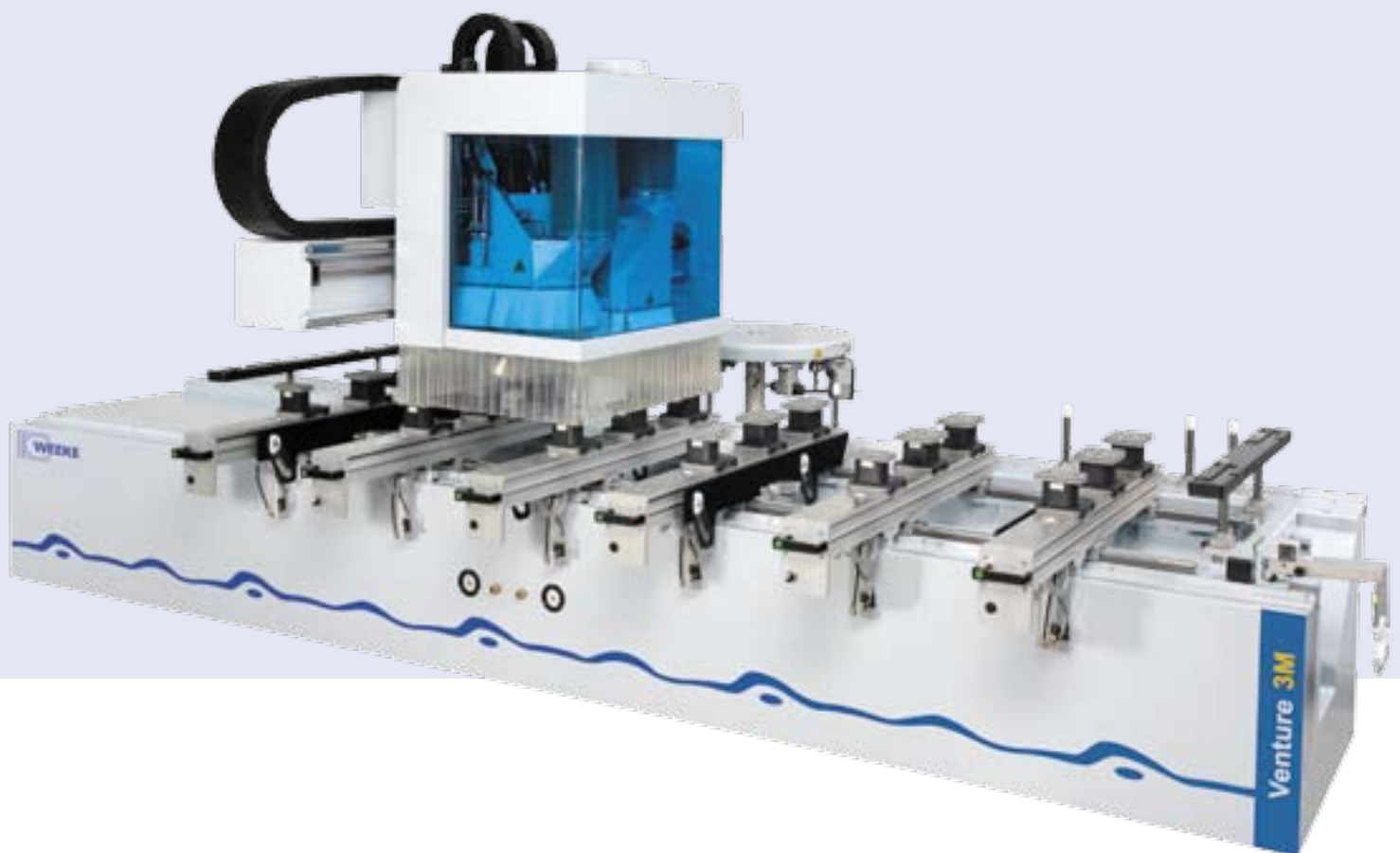
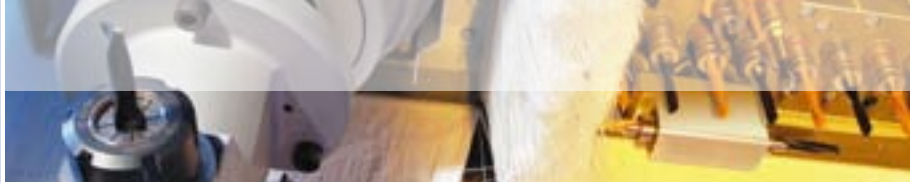


# CNC-Processing Center Venture 3M



2007/2008





### Highlights:

- The heaviest machine in its class - 4.300 kgs
- Vector speed X/Y 110 m/min
- LED-positioning system - up to 70% faster positioning
- K-table - tubeless vacuum clamping system
- Electronic surveillance of all stops
- High-Speed 7500 - 25 drilling spindles (19 vertical / 6 horizontal)
- Patented quick change system for the vertical spindles
- Patented automatic spindle locking system
- High-Speed grooving saw - 0/90°
- Powerful 9 kW HSK routing spindle
- C-axis 360°
- 14-fold tool changer inclusive tool pickup station
- 2 CNC-controlled Z-axes
- Software bundle for machine and PC
- UPS »uninterrupted power supply« is standard
- Toolbox »STARTER KIT«

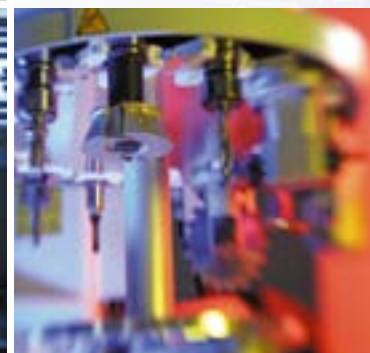


**»Quality is the result of skill, motivation – and location«**

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.



**LED**  
inside



**Electronic cylinder surveillance**



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

**LED-positioning system**



The LED-lights display the correct position of the cups to the operator. Up to 70 % faster positioning.

**2 CNC-controlled Z-axes**



- Optimal dust extraction and bigger operative range for
- Weight distribution of the mass (processing aggregate) more stability, higher processing quality

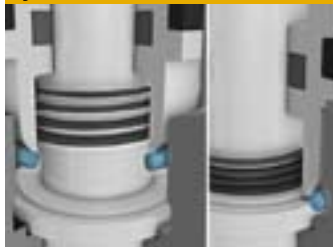
# All inclusive – »Standards«

## High-Speed-7500



Spindles with 1500 - 7500 RPM incl. the patented quick change system

## Automatic spindle locking system



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

## Workpiece feeding rail



4 solid feeding rails to ease »sheeting« of heavy workpieces



wood loves **Venture**  
// German technology



for processing tools  
(as) to the two Z-axes →

## Konfiguration



- 19 vertical drilling spindles
- 6 horizontal drilling spindles
- 1 routing spindle with 9 kW with HSK F 63
- 1 C-axis 360°
- 1 grooving saw Ø 125 mm (0 / 90°)



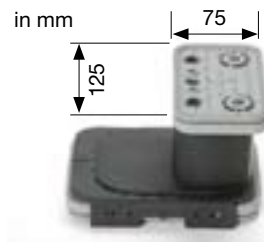
- 14-fold tool changer in X-direction

### Tilting stops for laminate overhang



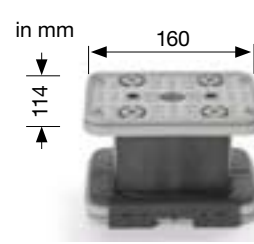
Guarantee simple positioning of panels with laminate overhang

### Vacuum cups



6 narrow vacuum cups

### Vacuum cups



12 standard vacuum cups

### Linear guiding system



Sealed »long-life« linear guiding system

### Sealed energy cable



Secure and protected cable guide (X-Y-Z)

### UPS



Protects the computer against damages in case of mains interruption

### Tool pick-up station



Secure and quick fitting of the tool changer

### Toolbox »STARTER KIT«



Top equipment - from the very start

### 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)

### woodWOP



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

### woodDesign



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

### woodWOP DXF Basic



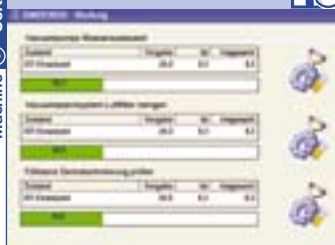
- Interface for CAD-Data Import
- Basis to generate woodWOP programs

### MCC



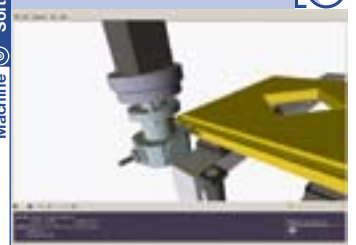
- Modern and simple control of main machine functions through soft keys
- Graphical loading

### MDE Basic



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

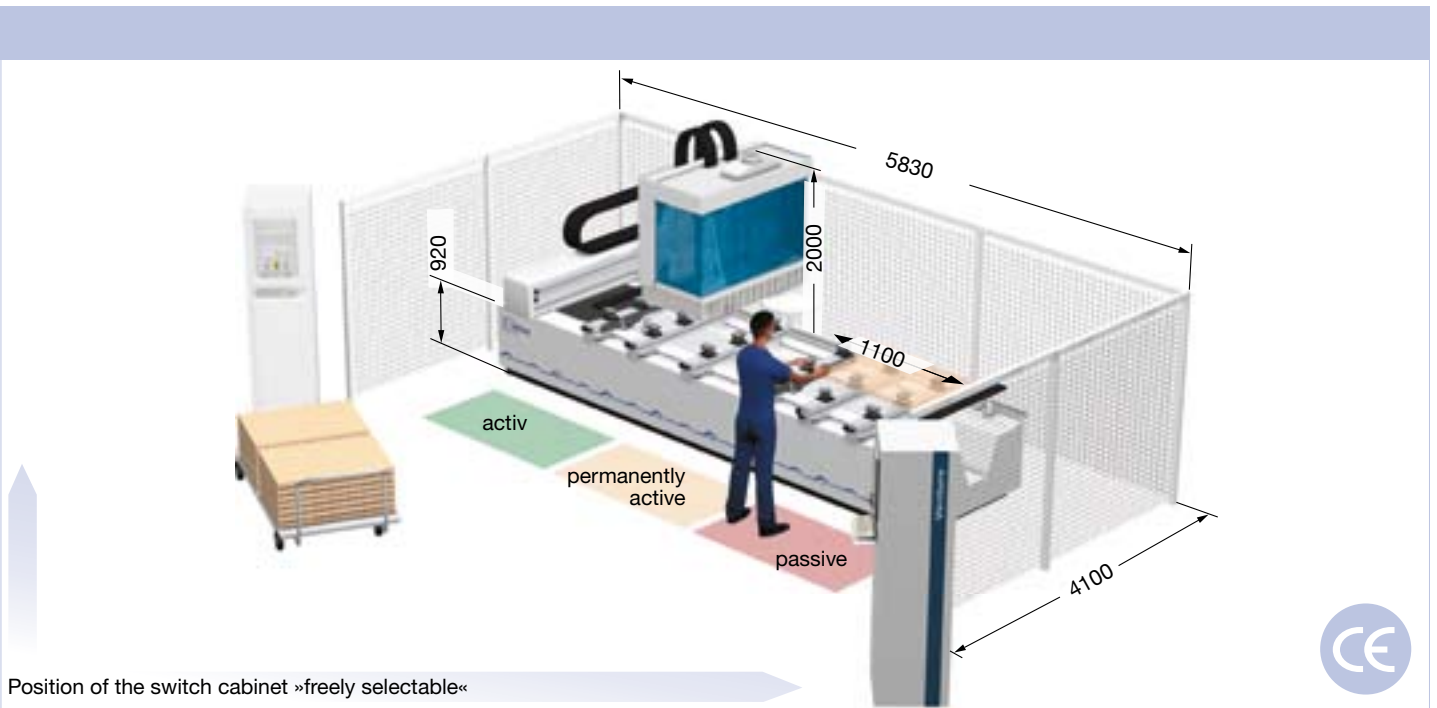
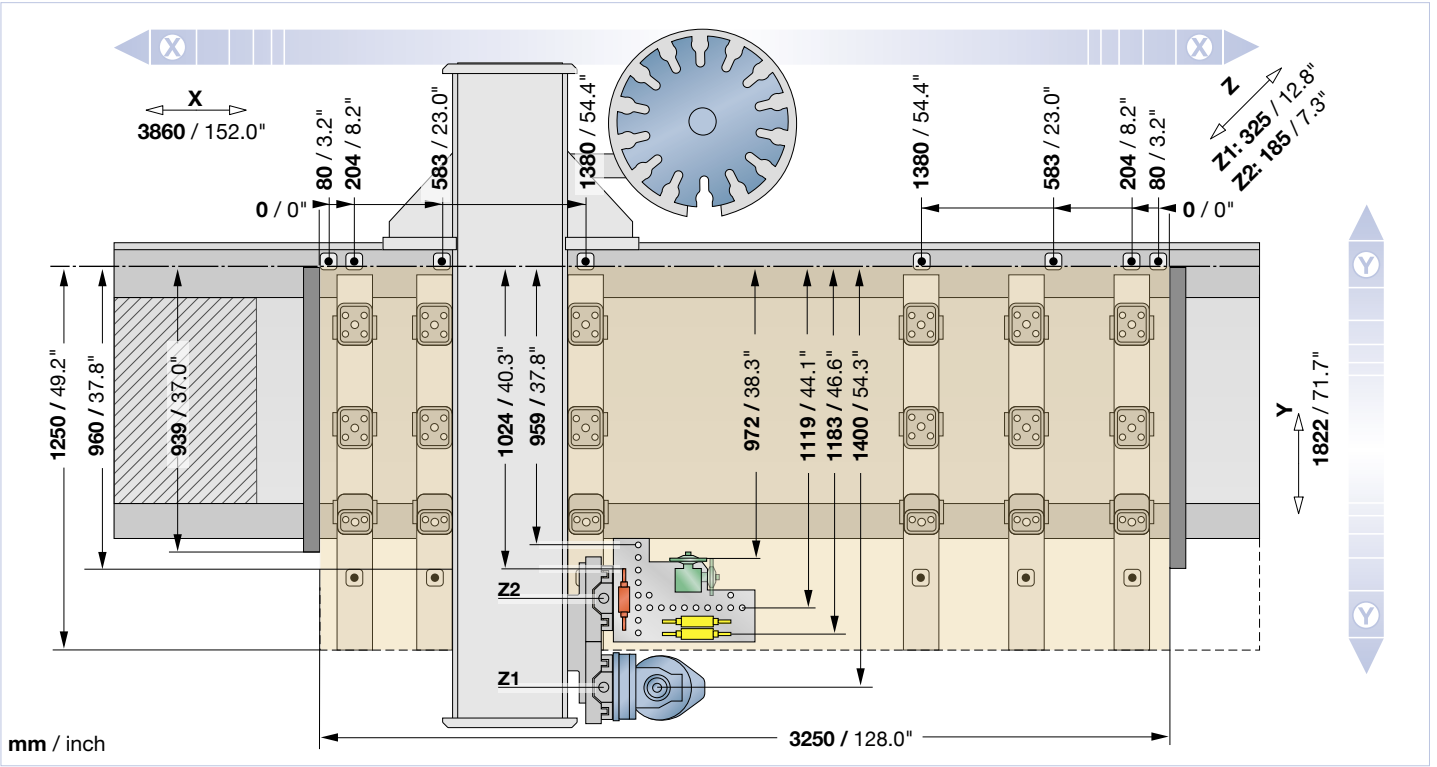
### 3D CNC-Simulator



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

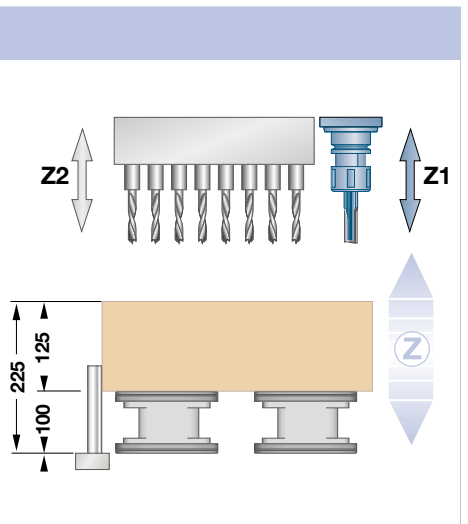
Software  Machine for the machine  
 Software  Office for the office PC

# Technical data



Position of the switch cabinet »freely selectable«

	X	Y	Z
Working field	3250 / 128.0	1250 / 49.2	125 / 4.9
Travel range	3860 / 152.0	1822 / 71.7	Z1: 325 / 12.8 Z2: 185 / 7.2
Routing	3595 / 141.5	1400 / 55.1	125 / 4.9
Alternating operation	1450 / 57.0		
Two-field operation	1100 / 43.3		
			mm / inch
Vector speed	m/min (X - Y) 110 - (Z) 20		
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	kg appr. 4300		
Electrical power – total connection load	kW 17,5		
Switch cabinet L - W - H	mm 800 - 800 - 1970		



# Options

## Air-conditioning



Air-conditioned cabinet

## Multi clamping system



E.g. for frame and narrow parts

## Chip conveyor



Chip conveyor integrated in the machine frame for disposing of the chips and waste parts

## Software



- woodWOP DXF Professional
- MDE Professional
- Barcode Software

## Pneumatical Service Device



Adapted for the left and right working field

## Drilling/Routing/Sawing, 2 spindles



1603

## Routing, 4 spindles



1605

## Cam box router, Ø 16 mm, 2 spindles



1626

## Routing, 2 spindles



1610

## Drilling/Sawing, man. inclinable – (0° - 90°)



1615

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



1617

## Routing vertical with tracing bell



1650

## Corner notching



1656

## Drilling, 7 spindles – 25 mm pitch



1680

## Fitting drilling head, 3 spindles



1695

# Handling example: Venture and ABD 100



Venture 3M 052007

Furniture pictures by kind permission of Möbel Wöstmann, Gütersloh

## OPTIMAT ABD 100



## Highlights ABD 100

- 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](http://www.weeke.com)
- Any questions, new ideas, criticism & praise to: [info@weeke.de](mailto:info@weeke.de)

## Part of the Homag Group

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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.