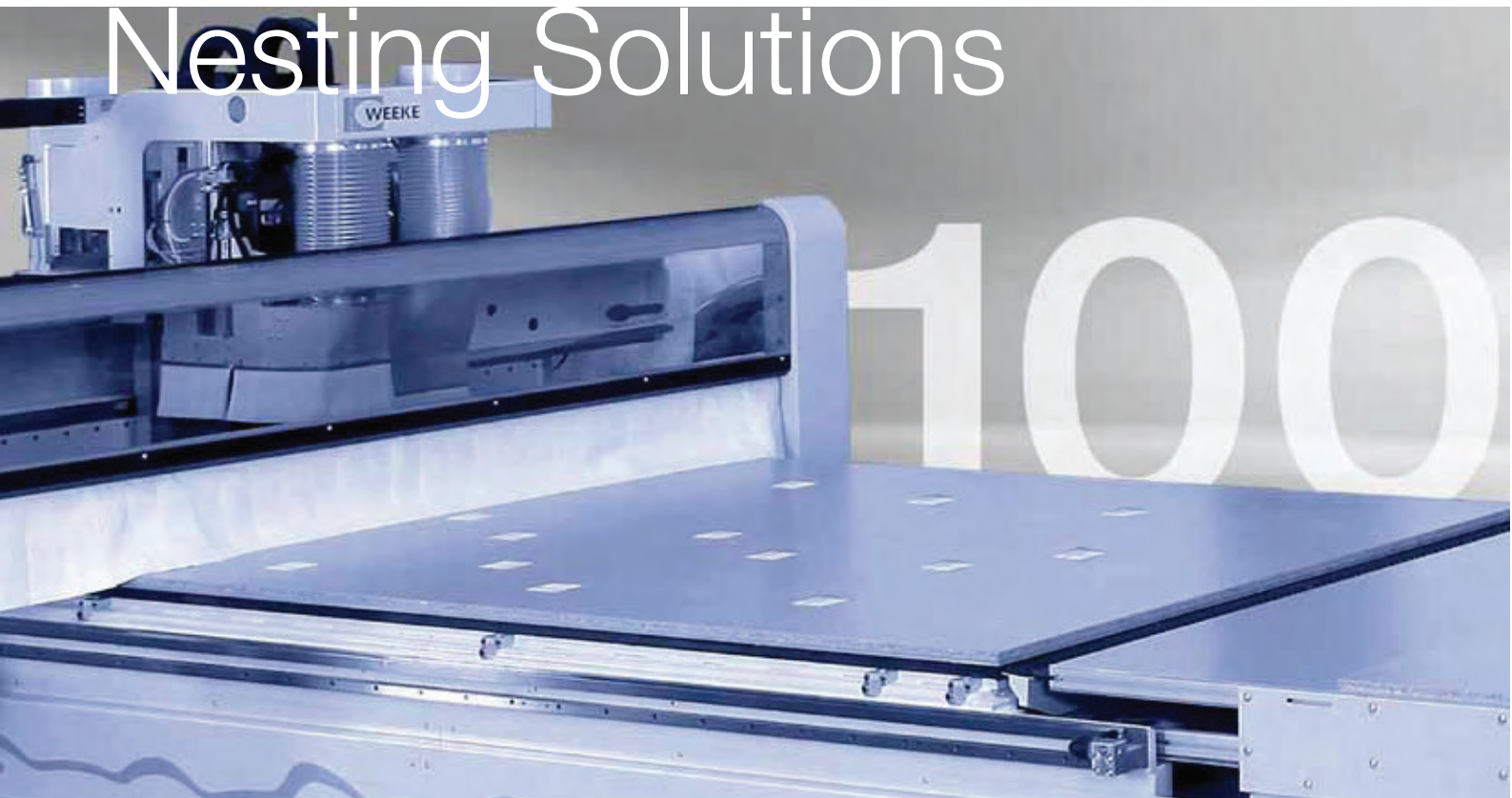


# **CNC Gantry-Processing Centers Vantage 100**

## Nesting Solutions



# Vantage 100

## Highlights:

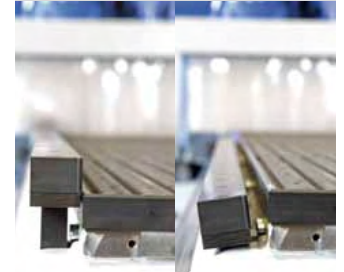
- Gantry style - for highest precision over the total working width
- Vector speed XY 96 m/min
- The whole working field is reachable with all processing tools
- Extremely high acceleration
- Efficient use of energy through high vacuum performances and simultaneously minor power consumption
- 12 HP (9 kW) HSK routing spindle (optionally: 16 HP (12 kW))
- Tool changing system (Pick-Up)
- 2 synchronised digital servo-drives in X-direction
- Sealed »long-life« linear guiding system
- 2 CNC-controlled Z-axes
- Electronic surveillance of all stops
- Software bundle for machine and PC

Option: Push-Out device for workpieces (incl. dust extraction)



The complete Nest is pushed out. The integrated dust extraction can carry out additional runs in order to clean the dummy board and workpieces

Option: Inversible fence guide

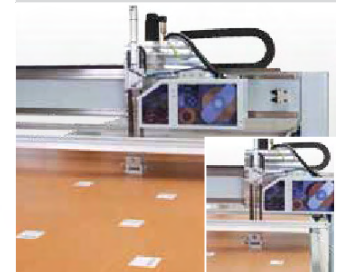


Suitable for accurate outfeed of the workpieces



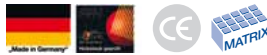
Vantage 100/612  
with optional Barcode Print Station BPS 612

Option: Barcode Print Station (BPS)



Fully-automatic labelling device in complex space-saving construction

**Nest & More Vantage**  
// German Technology



Configuration



Standard: 12 HP (9 kW) HSK routing spindle  
Optional: 16 HP (12 kW) HSK routing spindle

Tool changing system



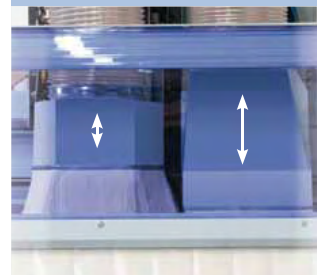
Depending on working field in standard:  
Vantage 100/480 = 7 Places  
Vantage 100/510/512 = 8 Places  
Vantage 100/610/612 = 10 Places  
Vantage 100/710/714 = 12 Places

MATRIX table BASIC



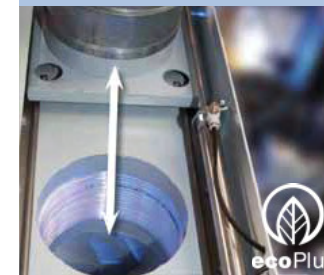
Very flexible table system for multifunctional clamping systems

2 CNC-controlled Z-axes



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

Program-controlled extraction connection



For an optimum extraction behavior and economic use of extraction energy (**ecoPlus**)

Synchronous drive



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



#### power control PC85

- 17" TFT-monitor
- Provision teleservice capability
- USB frontside bus
- Ethernet connection 10/100 Mbit
- Ergonomic hand terminal
- Position of the switch cabinet »freely selectable« (left/right)



#### woodWOP

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



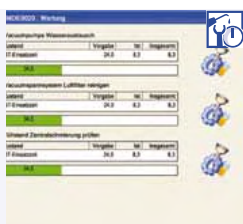
#### 3D CNC-Simulator

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



#### MCC

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



#### Machine Data Recording

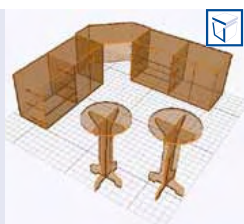
- Machine Data Recording - collecting and evaluating machine states via time meter and event meter

Software | Machine



#### woodWOP

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



#### woodAssembler

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



#### woodVisio

- Objects generated in woodAssembler or Blum Dynalog can be provided with a surface material
- The objects are displays in a free-standing position



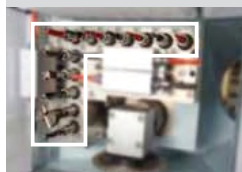
#### woodWOP DXF Basic

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

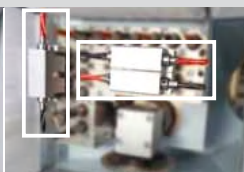
Software | Office

## Options

### Drilling block | 12 spindles



12 vertical drilling spindles



6 horizontal drilling spindles



1 grooving saw Ø 125 mm (0° / 90°)

### High-Speed 7500



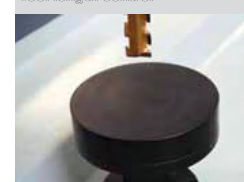
Spindles with 1500 - 7500 RPM incl. the patented quick change system

### Extendible tool changing system



- Further tool changer place available
- Vantage 100/480: +6
- Vantage 100/510/512: +7
- Vantage 100/610/612: +9
- Vantage 100/710/714: +11

### Tool length control



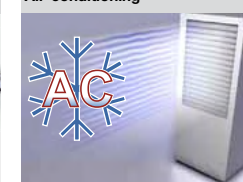
- Following the tool change a tool length control is carried out and compared with the integrated tool data file

### wood Nest Complete



- »OfficetoMachine« Nesting + Nest professional incl. terminal, printer, PC-screen

### Air-conditioning



- Air-conditioned cabinet

### Matrix BASIC (Standard)



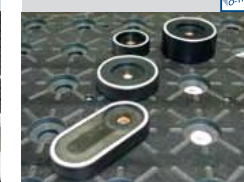
Different clamping elements available as option

### Matrix PRO



Different clamping elements available as option

### O-Trix PRO



Different clamping elements available as option

### Extension stop system



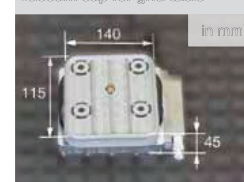
4 pneumatically lowerable aluminium stop cylinders (in front right or in front left)

### Vsccum cup for grid table



• 120 x 50 x 45 mm

### Vsccum cup for grid table



• 115 x 140 x 45 mm

### Vsccum cup for grid table



• 125 x 75 x 45 mm

### Central vsccum system



Up to 3 vacuum pumps can be combined

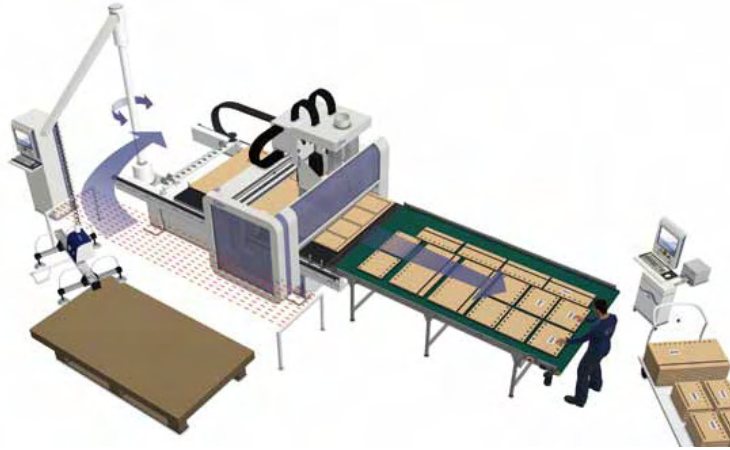
# Vantage 100

## Handling example

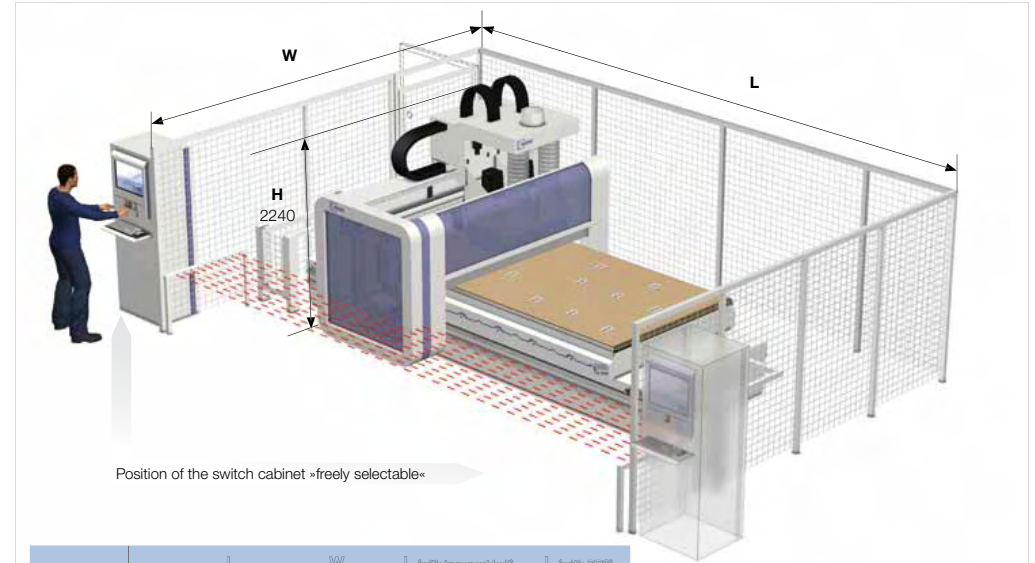
### Vantage 100

- + Push-off device
- + Transport belt
- + Barcode label printer

⇒ Easy single person operation



## Vantage 100



Position of the switch cabinet \*freely selectable\*

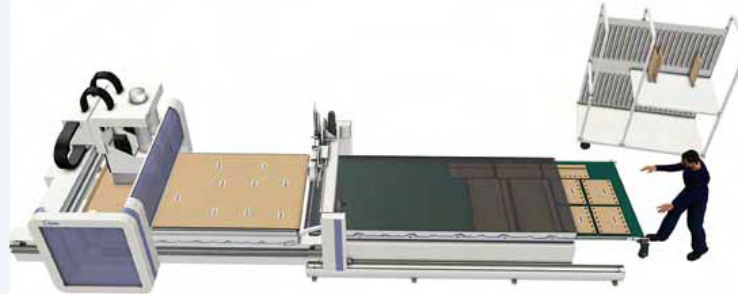
		L	W	L (with transport belt)	L (with BPS)
Vantage 100/	480	6430	4150	7880	9850
	510	6980	4400	9450	11600
	512	7580	4400	10050	12200
	610	6980	4650	9450	11600
	612	7580	4650	10050	12200
	710	6980	5150	9450	11600
	714	8180	5150	11650	13400



### Vantage 100

- + Barcode-Print-Station (BPS)

⇒ Easy single person operation



Vantage 100 Series -- working fields								
		Width (R)	Length (R)	Thickness (inch)	Width (mm)	Length (mm)	Thickness (mm)	Vacuum capacity
Vantage 100/	480	4	8	3,94	1250	2500	100	300/360 m3/h 50/60 Hz
	510	5	10	3,94	1550	3100	100	600/720 m3/h 50/60 Hz
	512	5	12	3,94	1550	3700	100	600/720 m3/h 50/60 Hz
	610	6	10	3,94	1850	3100	100	600/720 m3/h 50/60 Hz
	612	6	12	3,94	1850	3700	100	600/720 m3/h 50/60 Hz
	710	7	10	3,94	2250	3100	100	900/1080 m3/h 50/60 Hz
	714	7	14	3,94	2250	4300	100	900/1080 m3/h 50/60 Hz

Vector speed	m/min	(X - Y) 96 - (Z) 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
Total machine weight 480 - 714	kg	appr. 2800 - 5200
Electrical power -- total connection load	kW	19,5 - 32,5
Switch cabinet	mm	800 x 800 x 1970