Nested Based Router
Vantech Series
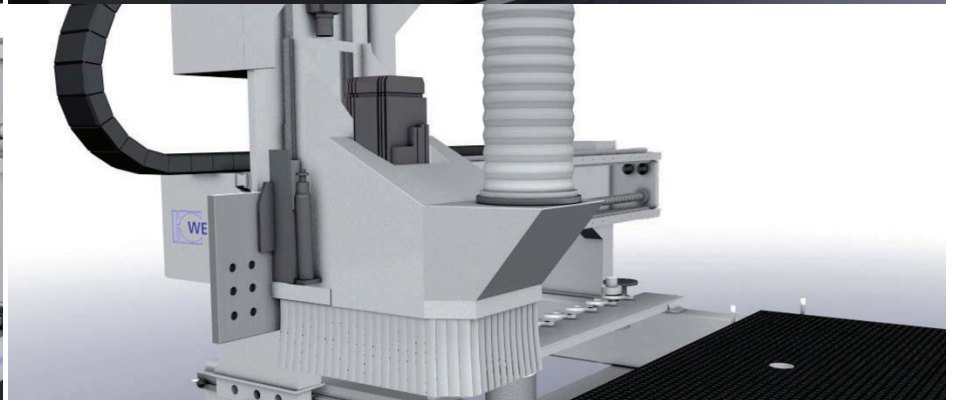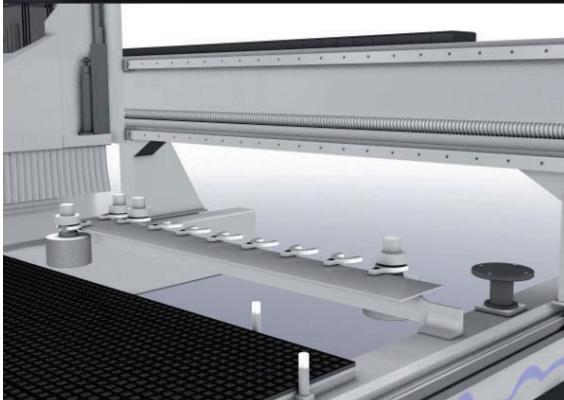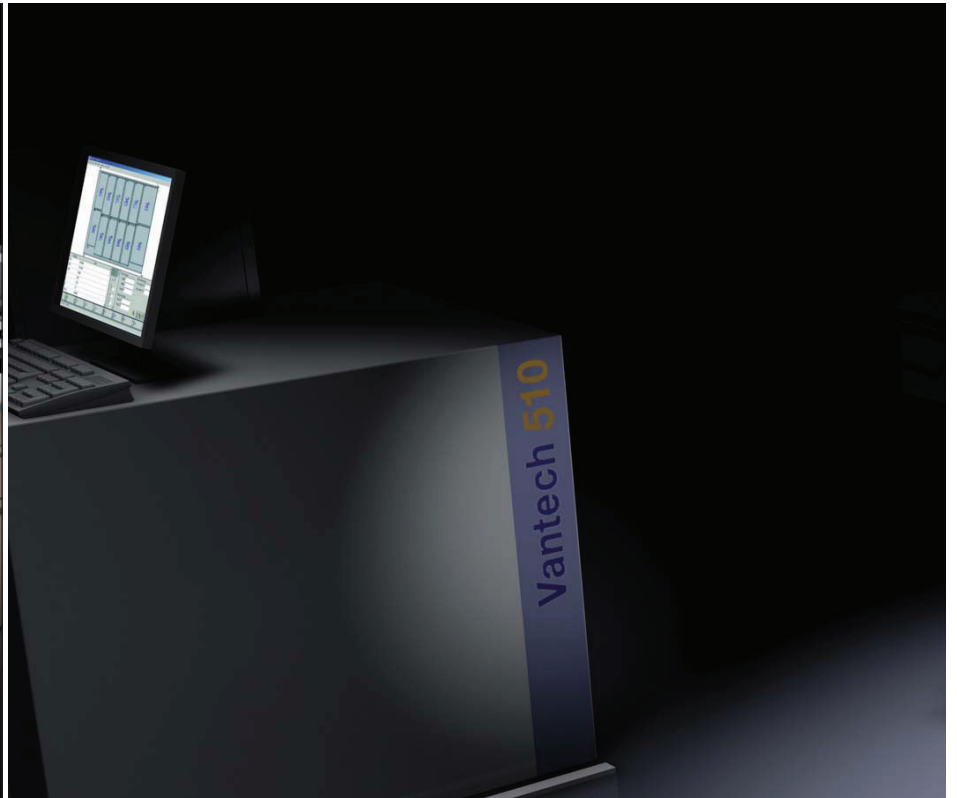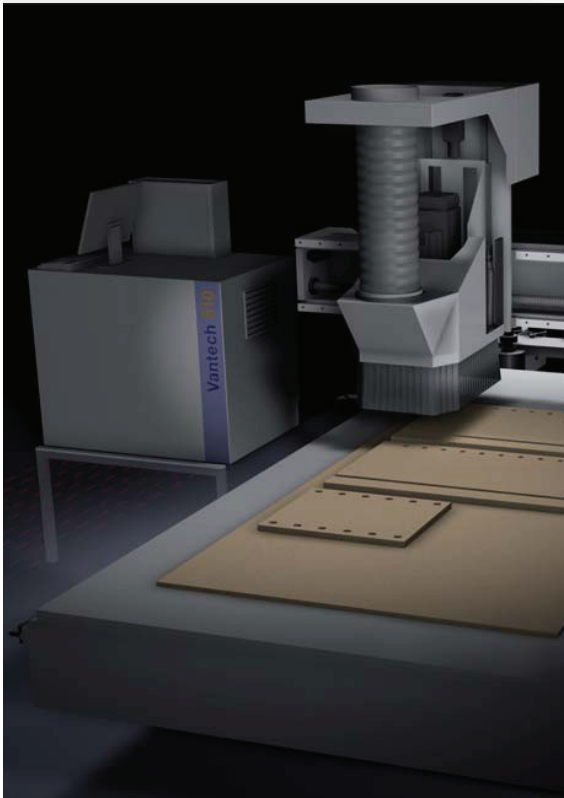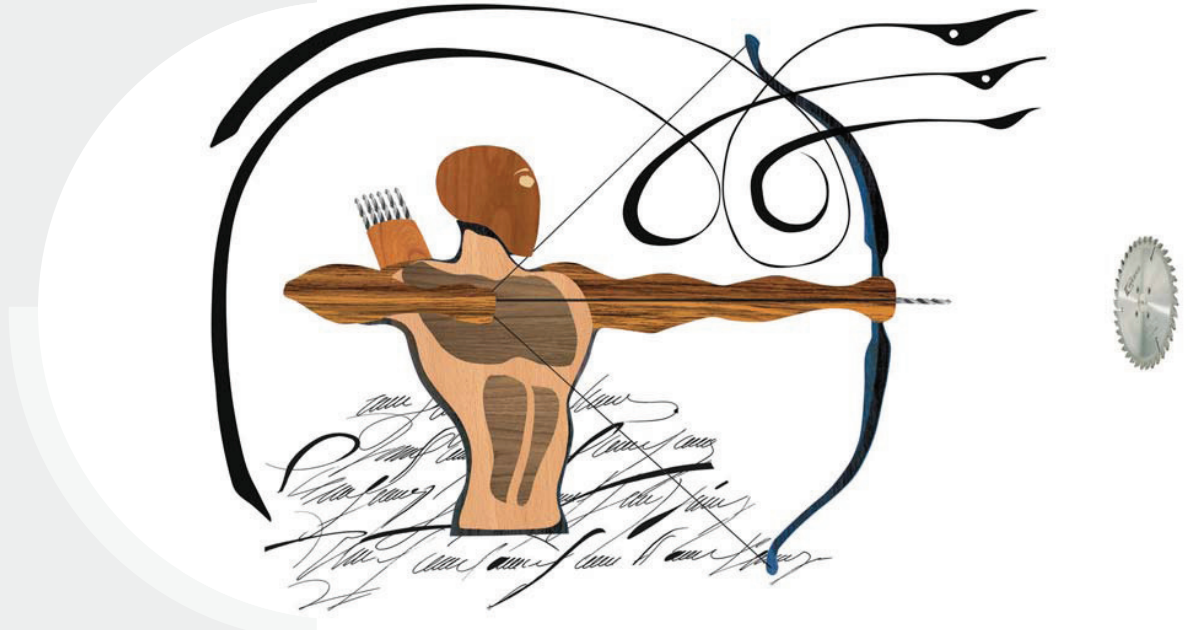
Vantech Series

»The confidence you place in us is an obligation we take seriously«

Our machines are built to last. This is guaranteed by the overall quality of WEEKE – delivering excellence for a machine's lifetime.
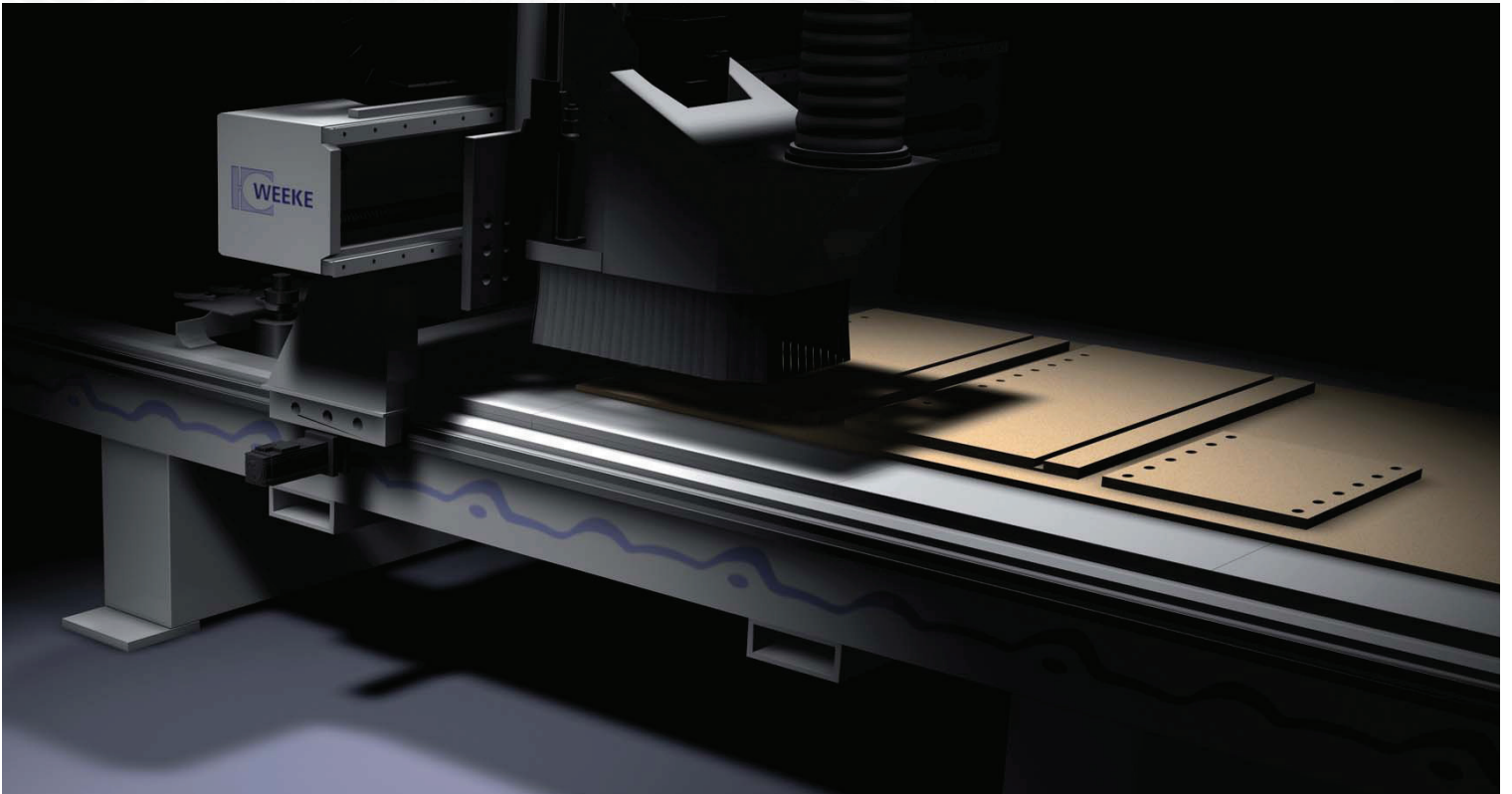
Vantech Series – Standard Features

Vantech **480**

Vantech **510**

Vantech **512**
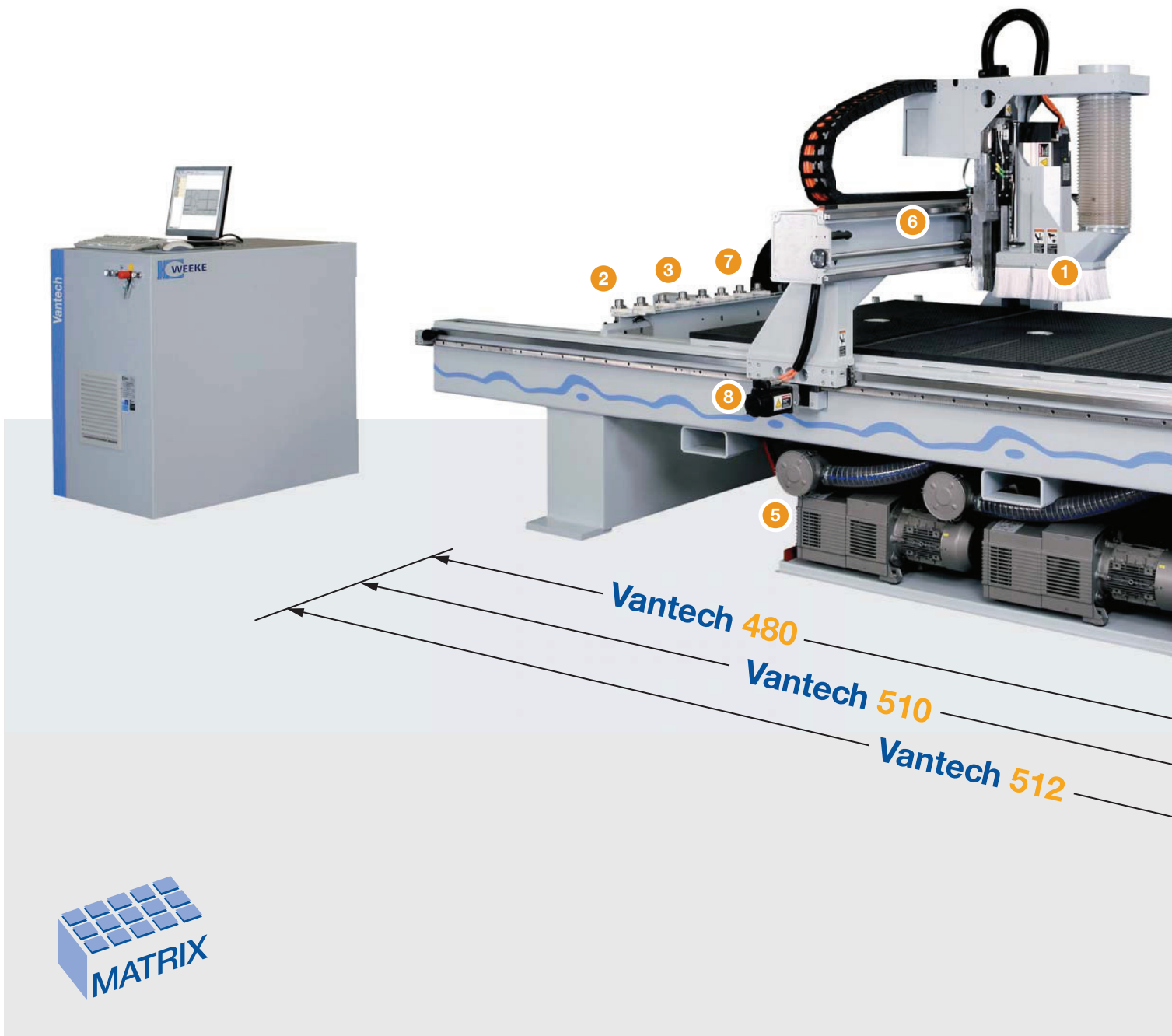
MATRIX

Configuration

■ 12 HP (9 kW) HSK-routing spindle

Tool pick-up station

■ Secure and fast feeding of the tool changer magazine
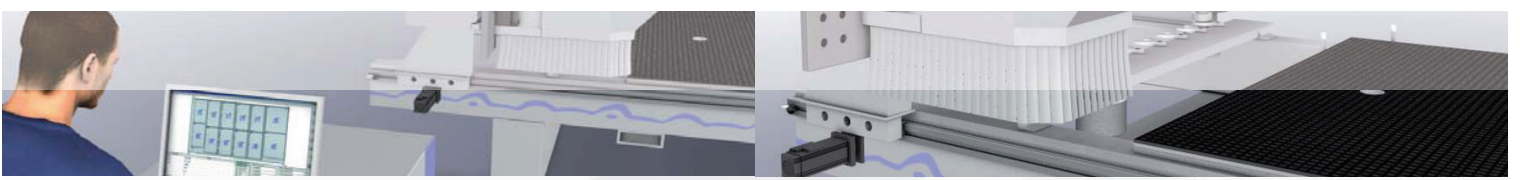
8 position tool changer

■ Secure and quick fitting into the routing spindle

MATRIX table with »Quik Pod« system

■ Very flexible table system
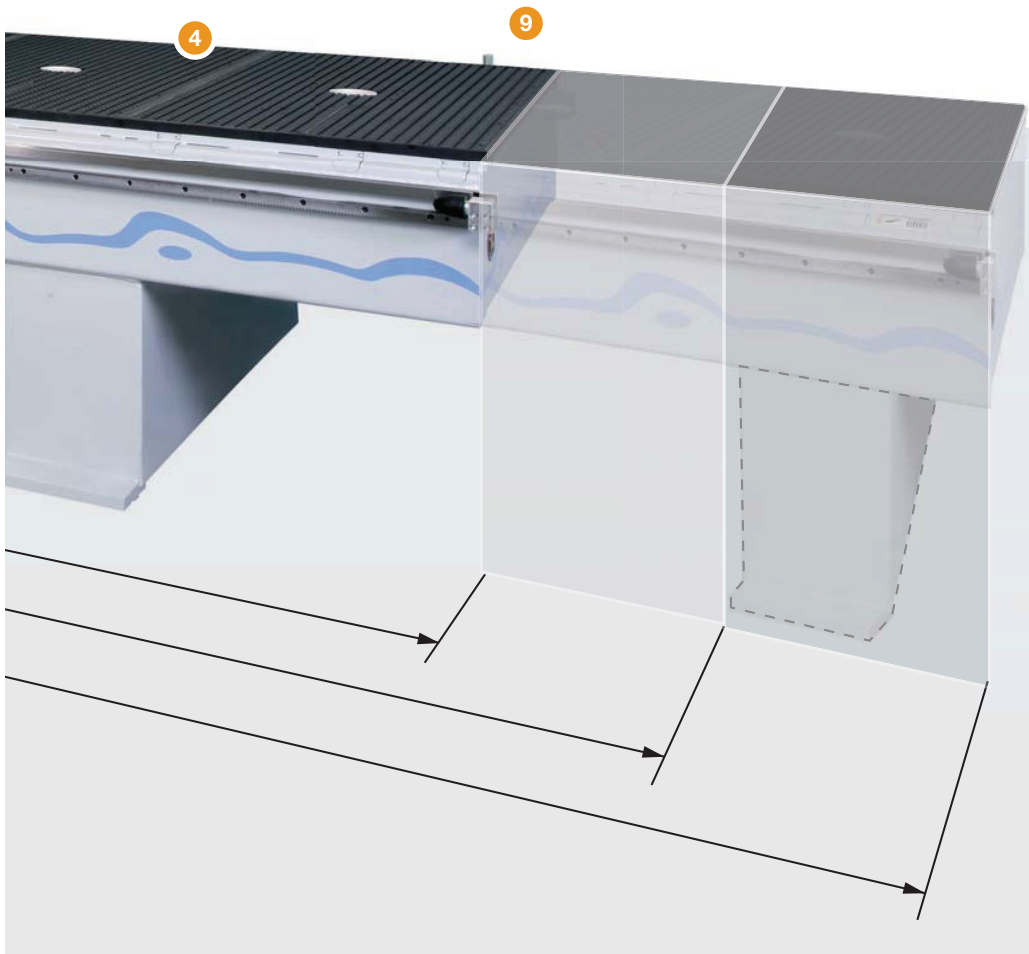
Program controlled positioning pins
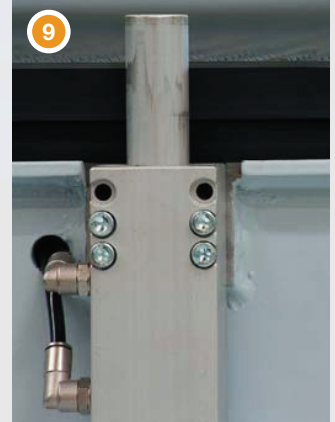
9

Vacuum pumps

5

■ 4 vacuum pumps with a total vacuum capacity of 360/432 m³/h, 50/60 Hz (4 x 90/108 m³/h, 50/60 Hz)

Linear guiding system

6

■ Sealed »long-life« linear guiding system

Tool length control

7

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

Dual drive gantry

8

■ Guarantee for highest quality

Optional extras

Vertical drilling block

- 7 vertical drilling spindles
- Not in combination with the additional tool changing system

Automatic spindle locking system
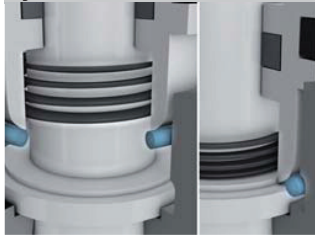
- Patented system to ensure correct drilling depth

Voltage transformer

- Transformer for 210/220/230 voltage available
- Prewired for 460/480 voltage

Air-conditioning

- Air-conditioned cabinet

Expandable tool changing system

- 7 additional tool changing places
- Not in combination with the vertical drilling aggregate

»Quik Pods«

- »Quik Pod« 168 x 78 x 41 mm
- »Quik Pod« 198 x 168 x 41 mm

Extention stop system

- 4 pneumatically lowerable Aluminium stop cylinders

High volume vacuum pump

- More volume – more power

Notes:

Included software bundle

Software package / Control panel

- woodWOP
- MCC
- 3D CNC-Simulator
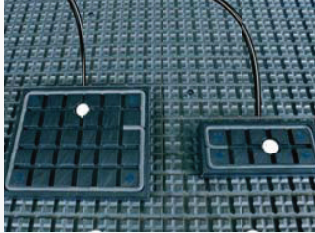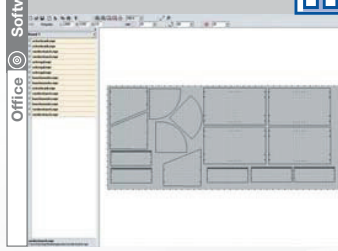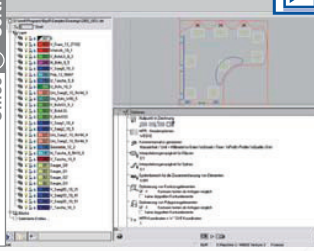- woodWOP DXF Basic
- MDE Basic

Office | **Software** | woodNest Basic

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

Office | **Software** | woodWOP DXF Basic

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

Machine | **Software** | 3D CNC-Simulator

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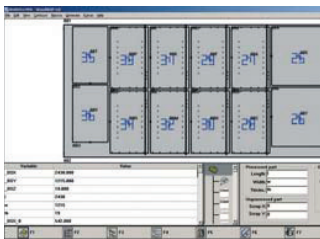- Allows time calculation
- Collision check of the vacuum cups

Office & Machine | **Software** | woodWOP
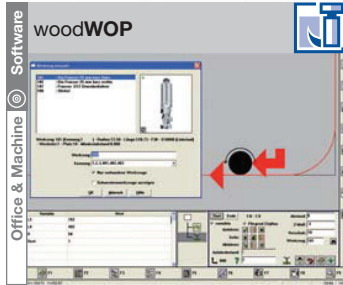
- Modern software based on Windows©
- More than 15.000 installations worldwide

| ◎ | **Software** | Machine | for the machine |
| ◎ | **Software** | Office | for the office PC |

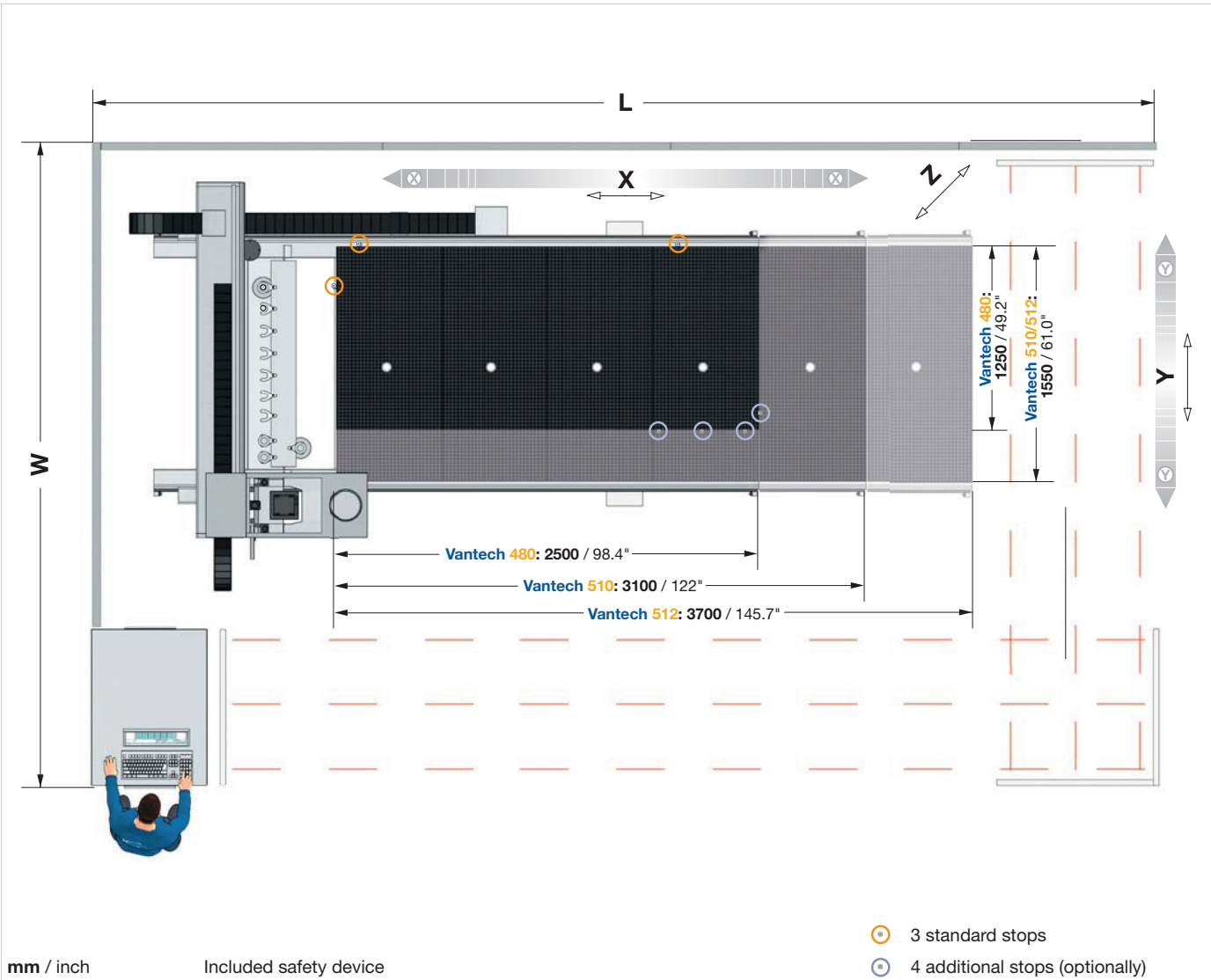# woodWOP – The HOMAG Group programming system

woodWOP
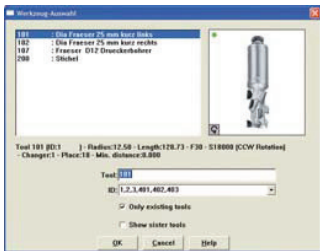
Tool Selection

woodWOP is a CNC programming system that has been specially designed for the machines of the HOMAG Group. woodWOP is a Workshop-Oriented Programming system (WOP). Rather than programming the machine directly, the workpiece and its machining steps are described. This makes programming considerably easier and programs remain versatile.

woodWOP offers high levels of convenience by using familiar Windows applications such as cutting, copying and pasting machining steps, and zooming. It is possible to very quickly and easily generate the contour of the workpiece using numerous drawing functions. Furthermore, each machining step has its own macros. This means that routing, drilling or sawing, for example, can be programmed quickly and easily by entering the machining parameters. Variant programs can be easily generated by using variables in woodWOP.

Highlights

- Graphic tool selection
- Automatic suction cup recommendation
- Automatic generation of machining steps for edge gluing
- File Preview and MPR Browser (optional)
- Context-sensitive online help
- Interfaces: DXF, MPR, PRJ (optional)
- Extensive program library with sample programs for contours, cabinet furniture, countertops and doors
- On the Internet:
  www.woodWOP-Forum.de
  → Help, information and discussion by woodWOP users for woodWOP users
- Global sales of more than 15,000 machines with woodWOP

Vantech **480**: 2500 / 98.4"

Vantech **510**: 3100 / 122"

Vantech **512**: 3700 / 145.7"

Vantech **480**: 1250 / 49.2"

Vantech **510/512**: 1550 / 61.0"

mm / inch   Included safety device

⊙ 3 standard stops

⊙ 4 additional stops (optionally)

		X	Y	Z
Working field	Vantech **480**	**2500** / 98.4	**1250** / 49.2	**100** / 3.9
	Vantech **510**	**3100** / 122.0	**1550** / 61.0	**100** / 3.9
	Vantech **512**	**3700** / 145.7	**1550** / 61.0	**100** / 3.9
Travel range	Vantech **480**	**3338** / 131.4	**1652** / 65.0	**245** / 9.6
	Vantech **510**	**3938** / 155.0	**1952** / 76.8	**245** / 9.6
	Vantech **512**	**4538** / 178.7	**1952** / 76.8	**245** / 9.6
				mm / inch

		L	W
Floor space	Vantech **480**	**5600** / 220.5	**3570** / 140.6
	Vantech **510**	**6100** / 240.1	**3820** / 150.4
	Vantech **512**	**6850** / 269.7	**3820** / 150.4
			mm / inch

100 mm / 3.9 inch

Vector speed X/Y - Z-axis	m/min	96 - 25
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	27,5
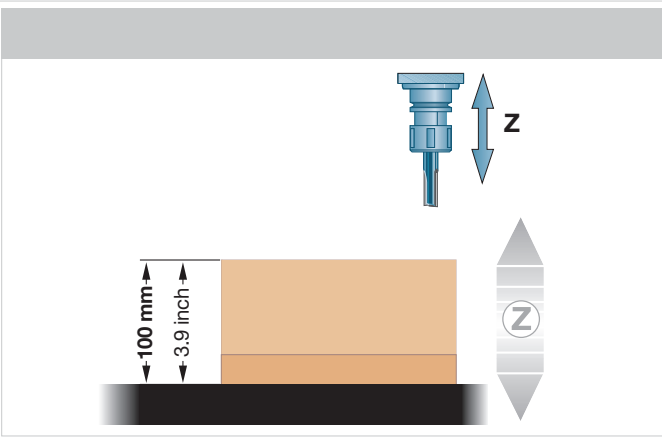
Contact

stiles

Your success is our business.

www.stilesmachinery.com
616.698.7500

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