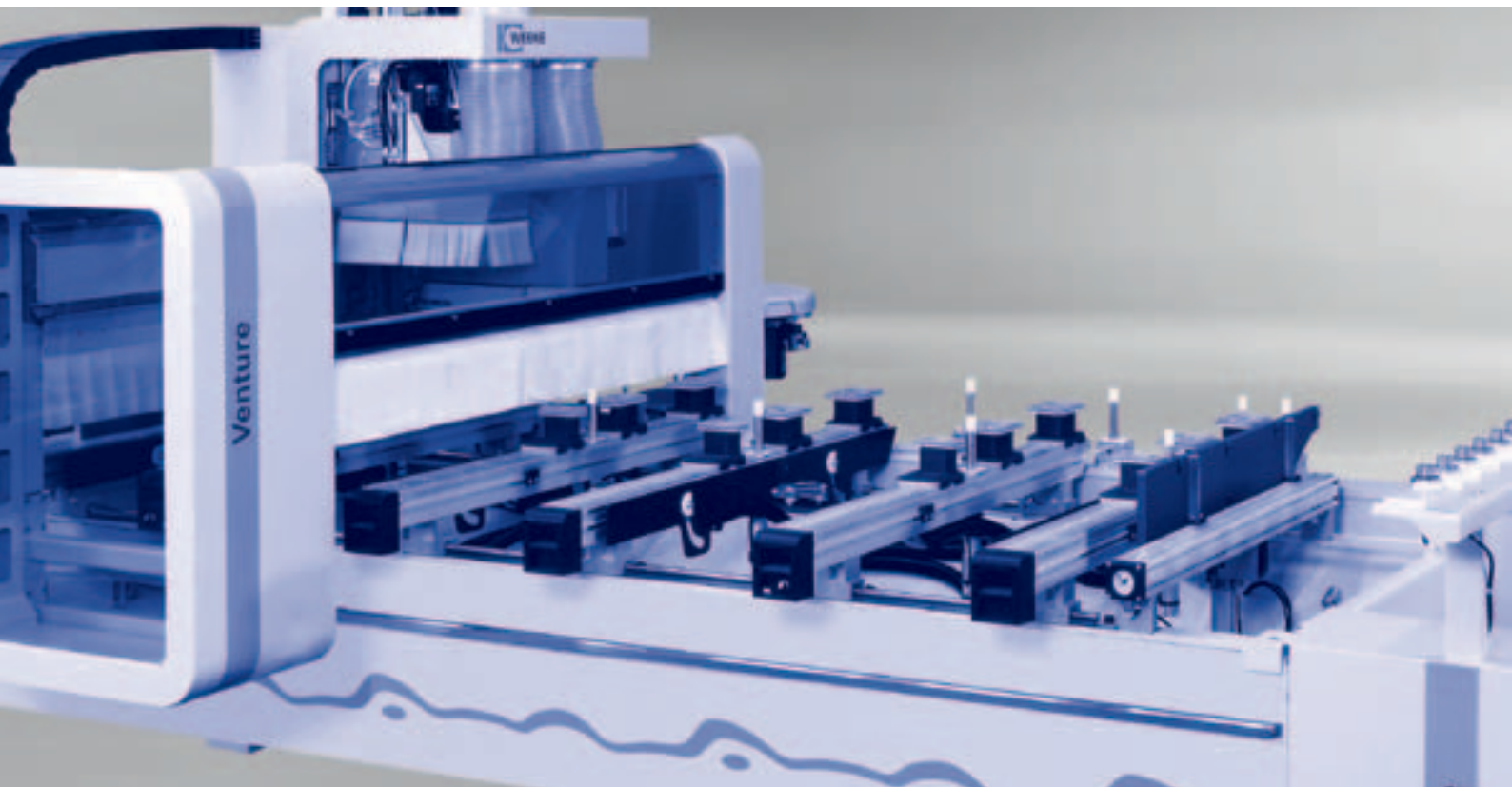


CNC Processing Centers

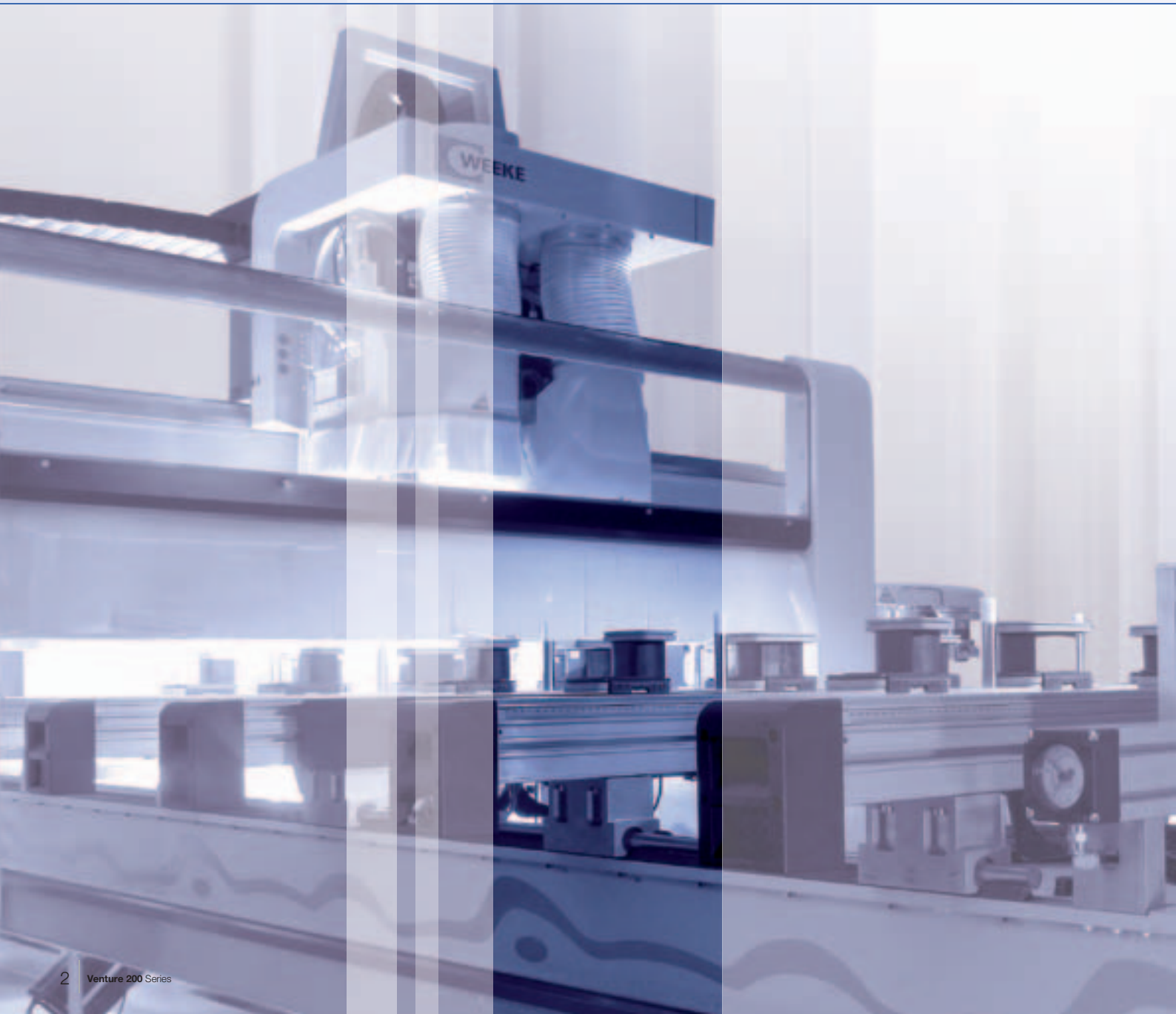
Venture 210 | 220 | 230 | 240



Venture – The 200 Series

The spirit
lies in details.

Mies van der Rohe

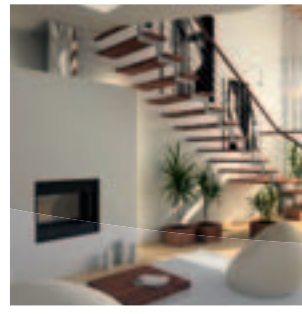




Content

6	Venture 210
8	Venture 220
10	Venture 230
12	Venture 240
14	The Standard Equipment
16	The Software
18	The Options
19	The Table Sizes
20	The Aggregates
24	The Technical Data

Venture – The 200 Series



The ordinary
gives the world its existence,
the extraordinary
its value.

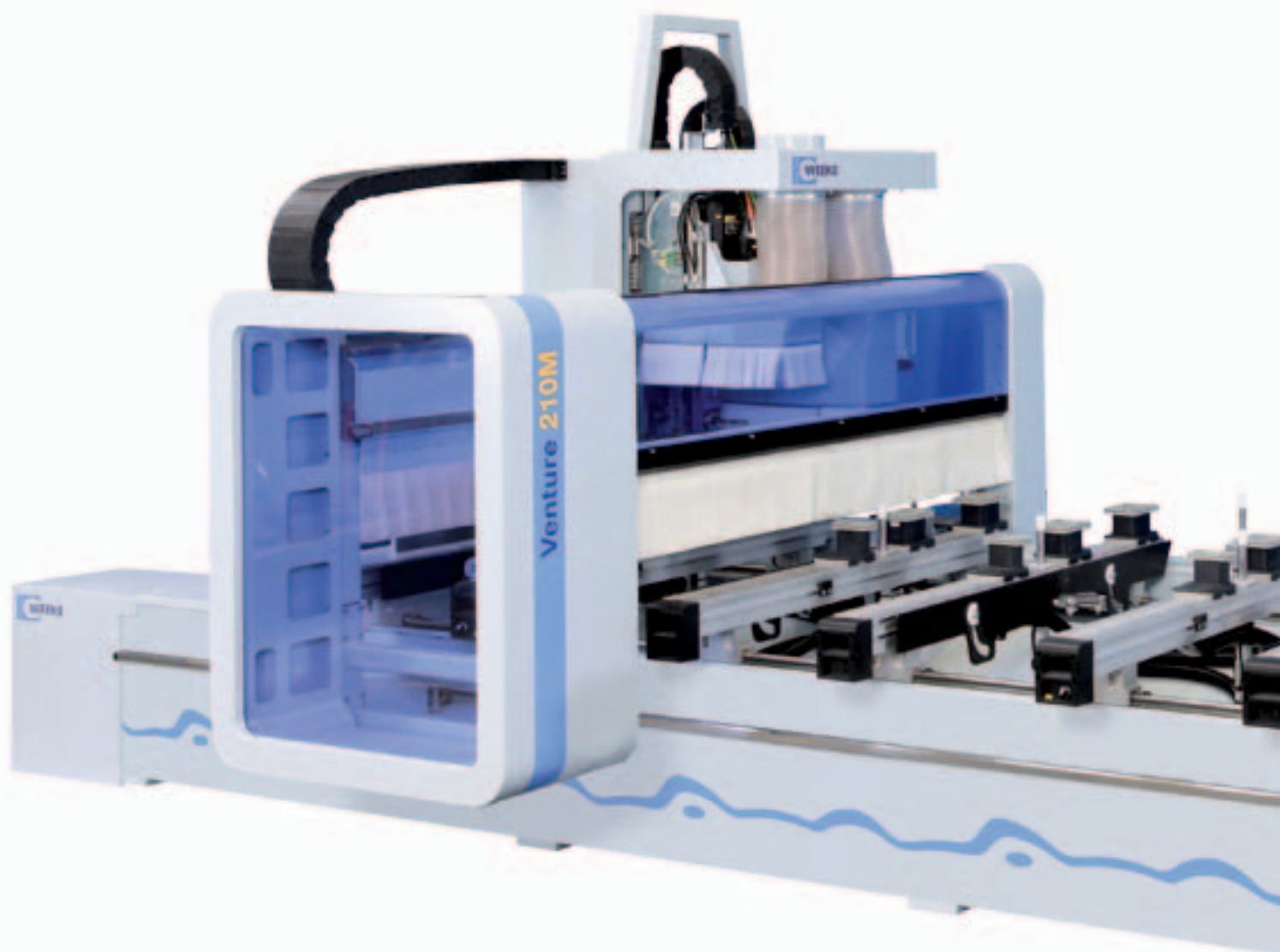
Oscar Wilde



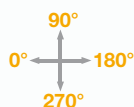
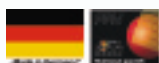
Venture 210M

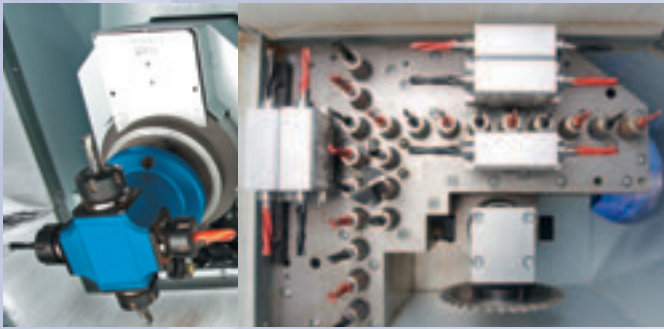
Highlights:

- Changing tools while drilling takes place (background change)
 - significantly reduced setting-up times
- 31 drilling spindles [High-Speed 7500]
- Drilling up to 1600 mm
- 4 processing fields – software for field optimization
- Lateral stop system »PURE STOP«
- 24 vacuum cups included in the standard equipment (4 per console)
- 10 tool change slots (8+2) included in the standard equipment



wood loves **Venture**
// German Technology





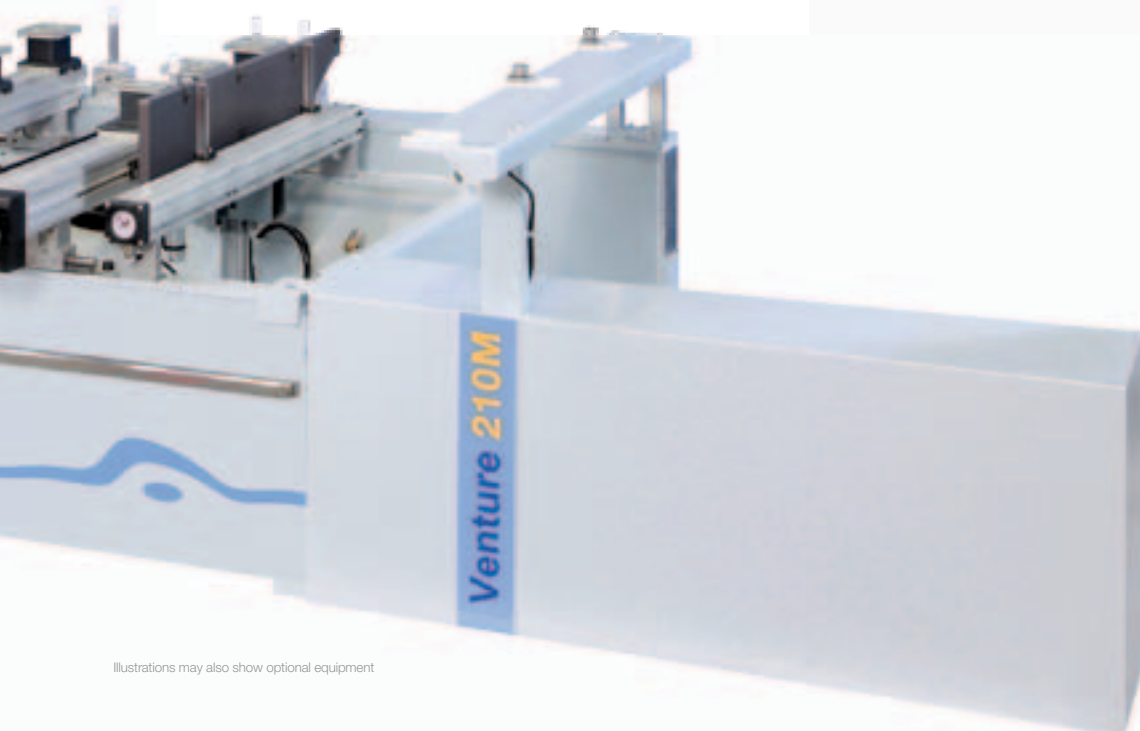
Configuration

- 1 routing motor with 9 kW HSK
- 1 torque support
- 31 drilling spindles [High-Speed 7500] (21 vertical | 10 horizontal)
- 1 grooving saw Ø 125 mm (0° / 90°)

10 tool change slots included in the standard equipment

- 8-fold tool changer moving in X- and Y-direction
- 2-fold tool changer (pick-up) located at the side of the machine

Changing tools while
drilling takes place

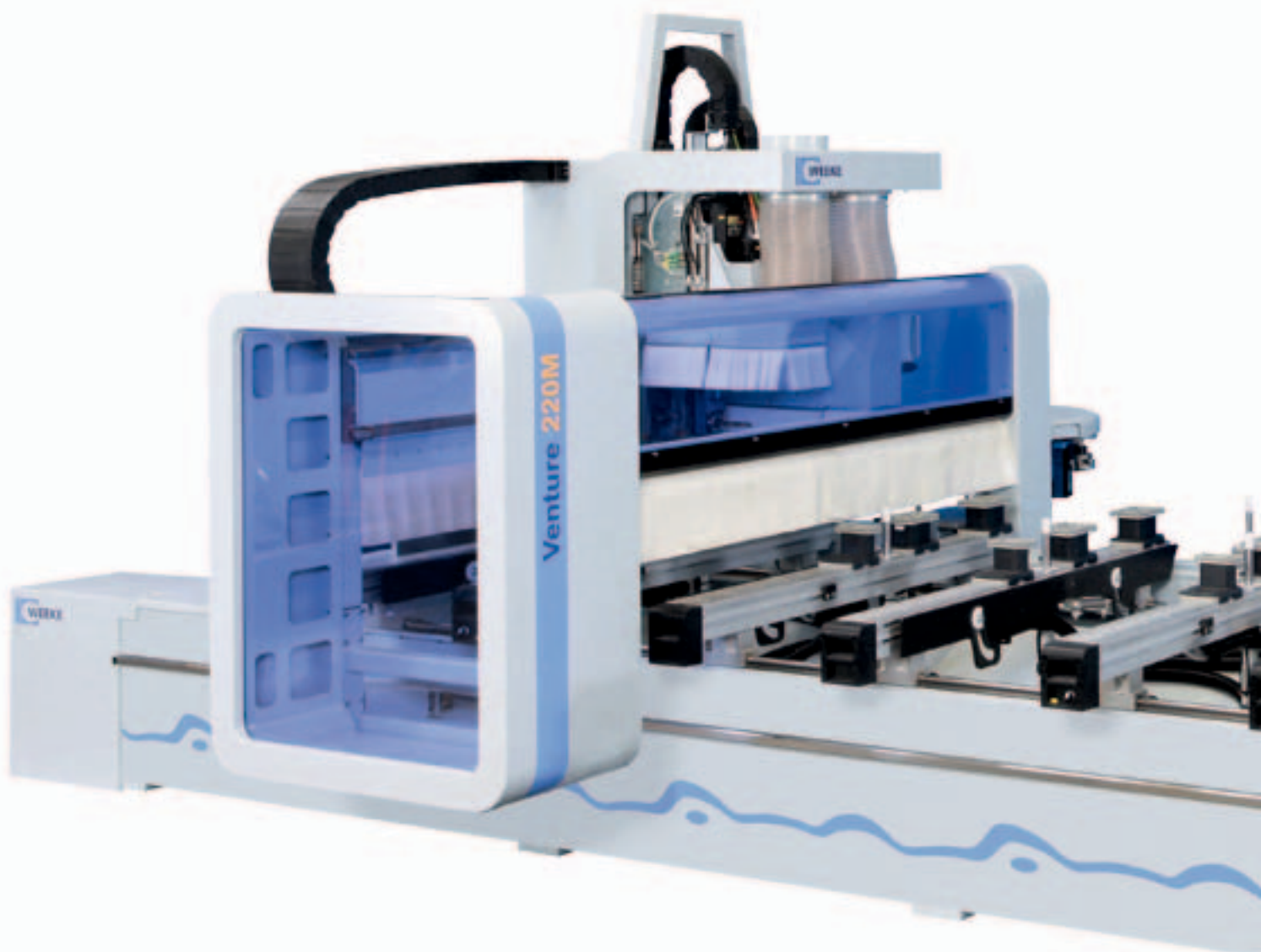


Illustrations may also show optional equipment

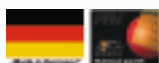
Venture 220M

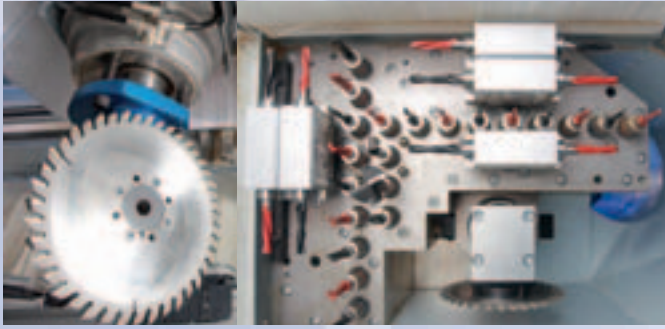
Highlights:

- Routing up to 1600 mm
- Interpolating C axis
- 31 drilling spindles [High-Speed 7500]
- FLEX5 interface (option)
- Lateral stop system »PURE STOP«
- 24 vacuum cups included in the standard equipment (4 per console)
- 22 tool change slots (14+8) included in the standard equipment



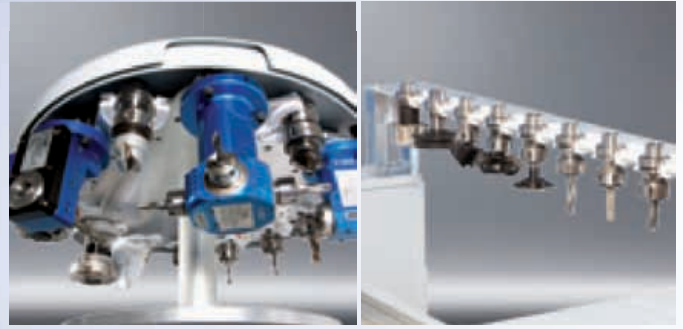
wood loves **Venture**
// German Technology





Configuration

- 1 routing motor with 12 kW HSK
- 1 C axis 360° – interpolating
- 31 drilling spindles [High-Speed 7500] (21 vertical | 10 horizontal)
- 1 grooving saw Ø 125 mm (0° / 90°)



22 tool change slots included in the standard equipment

- 14-fold tool changer moving in X-direction
- 8-fold tool changer (pick-up) located at the side of the machine

Routing up to 1600 mm



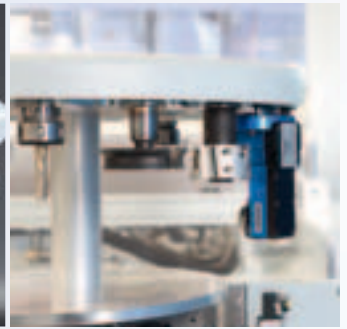
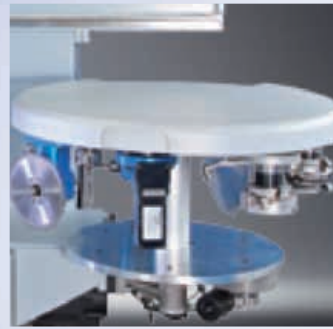
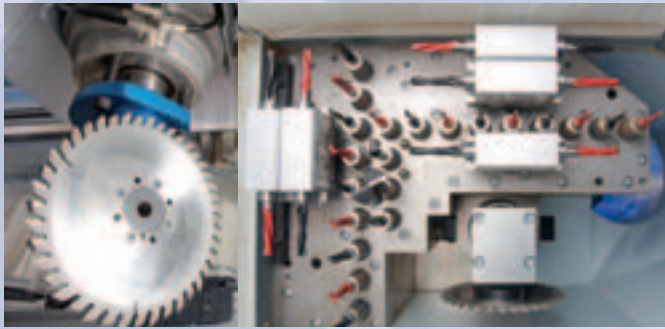
Illustrations may also show optional equipment

Venture 230M

Highlights:

- Routing up to 1600 mm
- LED positioning system
- 31 drilling spindles [High-Speed 7500]
- Interpolating C axis
- Lateral stop system »PURE STOP«
- 24 vacuum cups included in the standard equipment (4 per console)
- 28 tool change slots (2x14) included in the standard equipment
- FLEX5 | FLEX5+ interface (option)



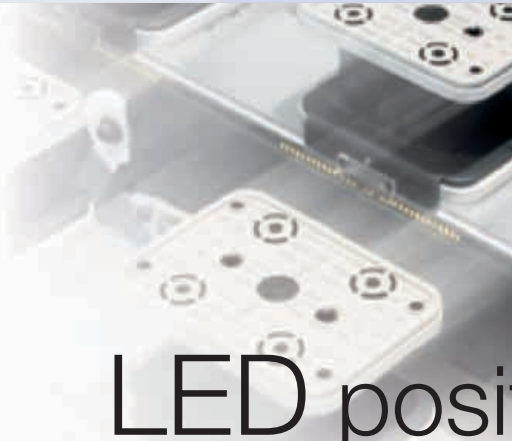


Configuration

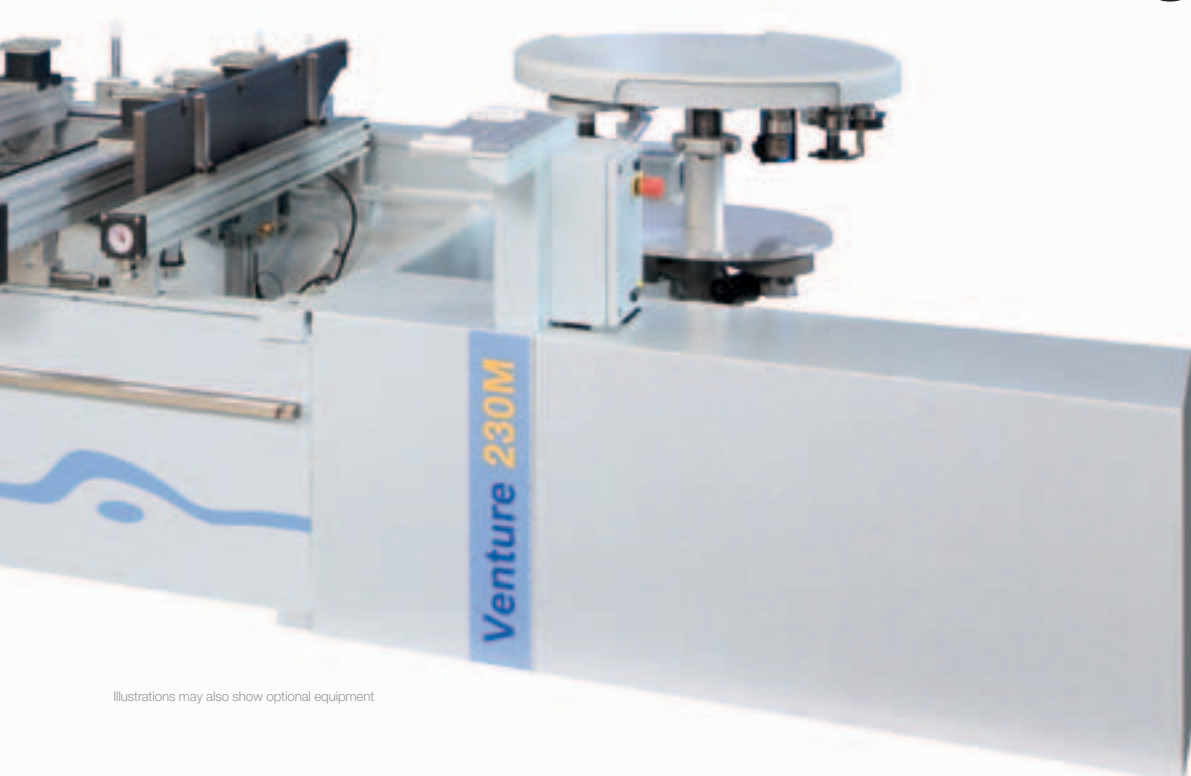
- 1 routing motor with 12 kW HSK
- 1 C axis 360° – interpolating
- 31 drilling spindles [High-Speed 7500] (21 vertical | 10 horizontal)
- 1 grooving saw Ø 125 mm (0° / 90°)

28 tool change slots included in the standard equipment

- 14-fold tool changer moving in X-direction
- 14-fold tool changer located at the side of the machine



LED positioning system and 28 tool change slots



Illustrations may also show optional equipment

Venture 240M

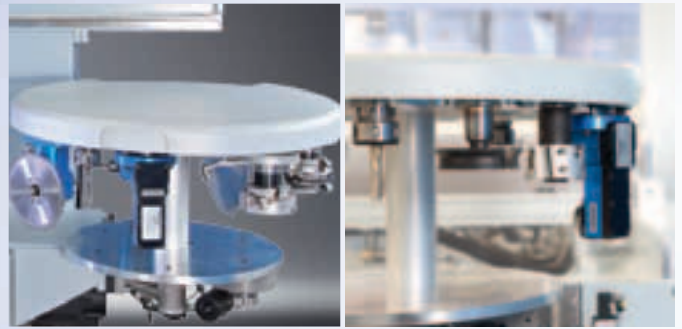
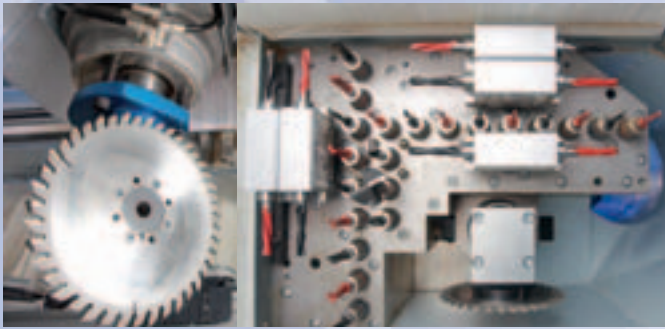
Highlights:

- FLEX5axis aggregate included in the standard equipment (replaces up to 5 adapter aggregates)
- Routing up to 1600 mm
- LED positioning system
- 31 drilling spindles [High-Speed 7500]
- Interpolating C axis
- Lateral stop system »PURE STOP«
- 24 vacuum cups included in the standard equipment (4 per console)
- 28 tool change slots (2x14) included in the standard equipment



wood loves **Venture**
// German Technology





Configuration

- Routing motor with 12 kW HSK
- 1 C axis 360° – interpolating
- 31 drilling spindles [High-Speed 7500] (21 vertical | 10 horizontal)
- 1 grooving saw Ø 125 mm (0° / 90°)

28 tool change slots included in the standard equipment

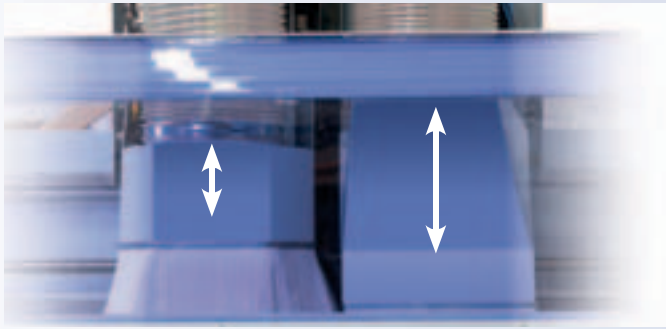
- 14-fold tool changer moving in X-direction
- 14-fold tool changer located at the side of the machine

FLEX5axis
included in the
standard



Illustrations may also show optional equipment

All inclusive – Your standard equipment in the 200 Series



2 CNC-controlled Z axes

- Increased extraction efficiency and wider range of application of processing aggregates
- Weight distribution of the mass (processing aggregates) to the two Z-axes → more stability, higher processing quality



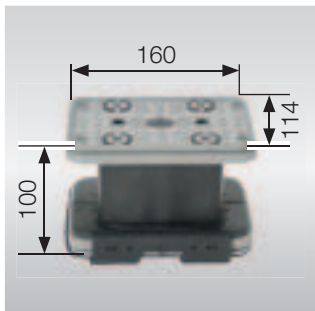
Program-controlled extraction connection

Ensures optimum extraction behavior



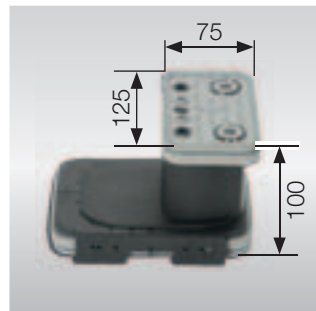
Electronic cylinder surveillance

Improved safety by electronic surveillance of all stop cylinders



Vacuum cups – wide

18 vacuum cups



Vacuum cups – narrow

6 narrow vacuum cups



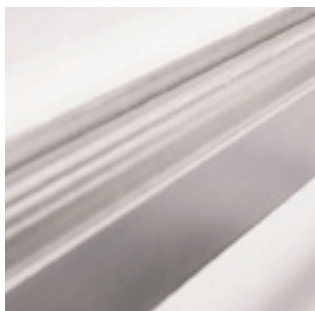
Workpiece feeding rail

4 solid feeding rails to ease placing of heavy workpieces



Sealed cable drag chains

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



Linear guiding system

Sealed »long-life« linear guiding system



Tool pick-up station

Safe and quick fitting of the tool changer



Tool box »STARTER KIT«

Top equipment – from the very start



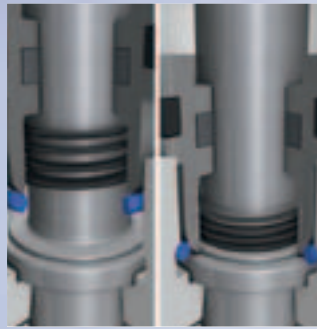
ecoPlus – energy saving function

- Simple activation of the stand-by mode
- Vacuum pump is switched off (savings of up to 12%)
- Reduction of compressed air (savings of up to 6%)



High-Speed 7500

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



Automatic spindle clamping system

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



Lateral stop system »PURE STOP«

Made of anodized aluminum and guided by sealed linear guides »PURE STOP« provides an exact and solid stop edge



Stops for veneer overhang

Ensures easy positioning in the case of veneer overhang



powerControl

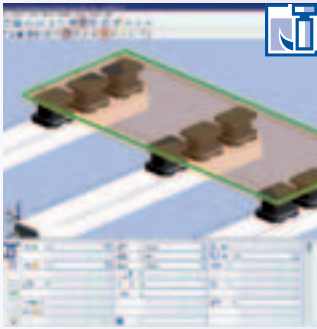
- 17" TFT monitor
- Intel®Core™ 2 Duo processor
- Provision of teleservice capability
- USB frontside bus
- Ethernet connection 10/100 Mbit
- Ergonomic hand terminal
- Position of switch cabinet freely selectable (right/left)



Illustrations may also show optional equipment

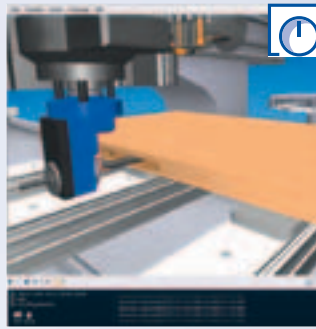
Software – High-End already included in the standard

Software | Machine



woodWOP

- Modern software based on Windows®
- More than 17.000 installations worldwide



3D CNC-Simulator

- Simulates the processing acc. to the order set in the NC program
- Allows time calculation
- Collision check of the vacuum cups



MCC

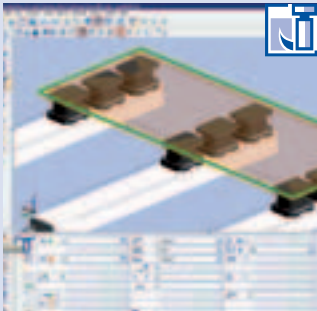
- Simple control of the machine functions via softkeys
- Graphical loading



Machine Data Recording

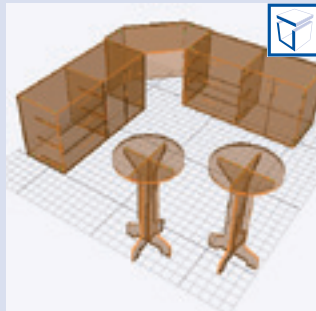
Collecting and evaluating machine states via time meter and event meter

Software | Office



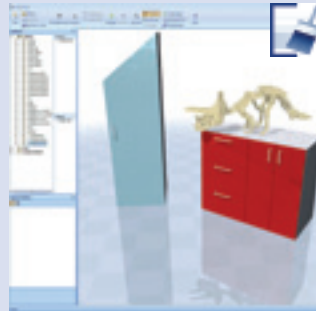
woodWOP

- Modern software based on Windows®
- More than 17.000 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 displayed in a free-standing position

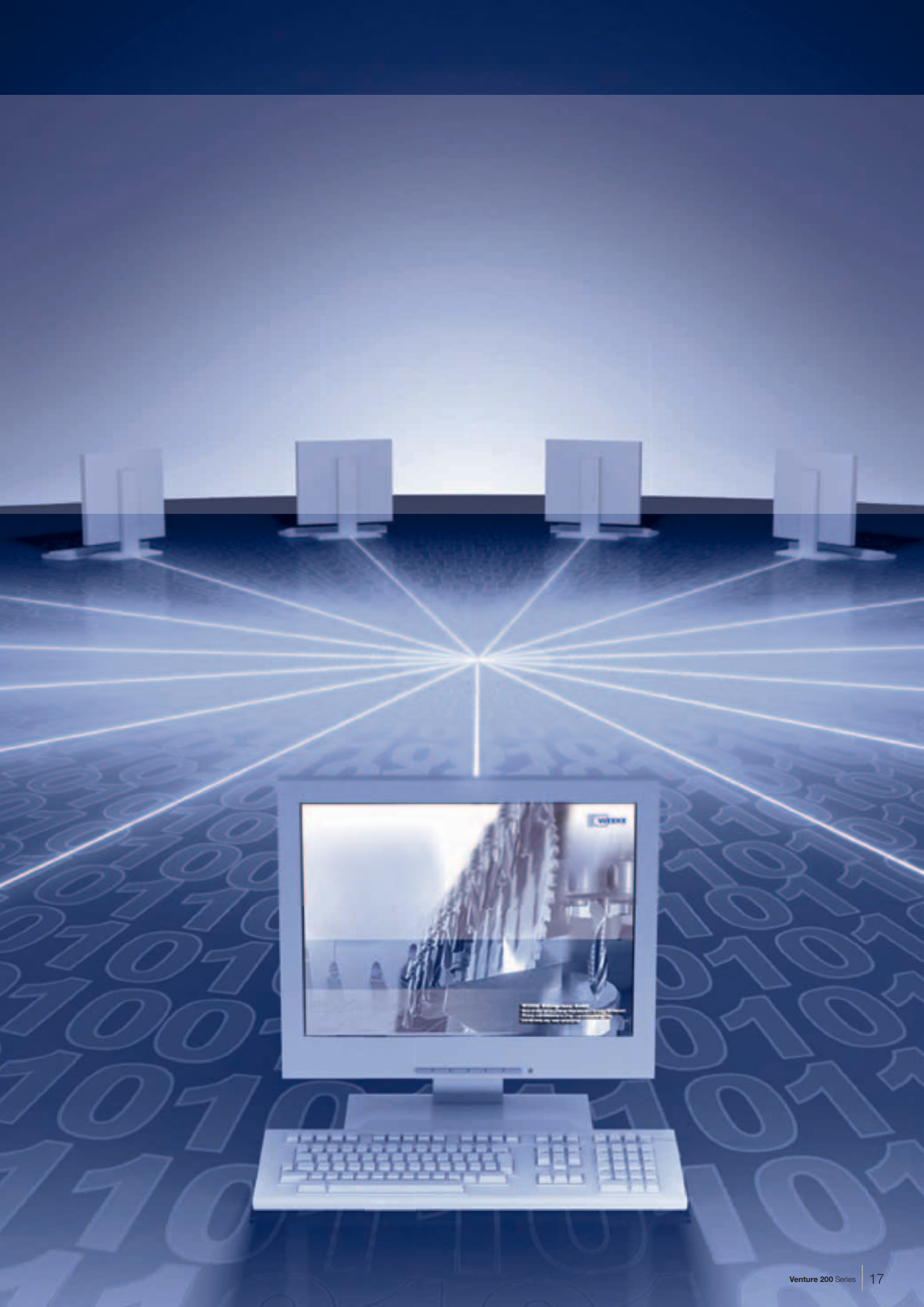


woodWOP DXF Basic

- Interface for CAD data import
- Basis to generate woodWOP programs

Illustrations may also show optional equipment





Options



Air-conditioning

Air-conditioned switch cabinet



Multi clamping system

e. g. for frames and small parts



PowerClamp

e. g. for processing of solid wood components on 6 sides (lowerabe base plate)



Software

- woodWOP DXF Professional
- Machine Data Recording Professional



woodCAD/CAM

Creates reliability in the order and manufacturing process from the first sketch to the final product



Barcode connection

Barcode scanner / software



Barcode connection – Basic

Barcode reading system Basic including software and scanner

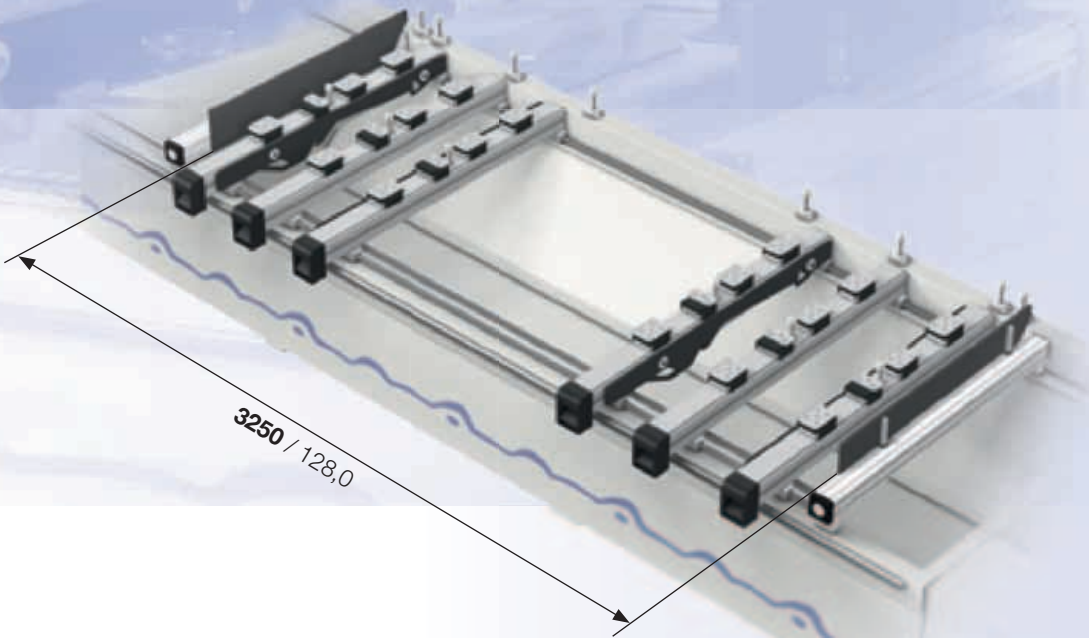


Barcode connection – Professional

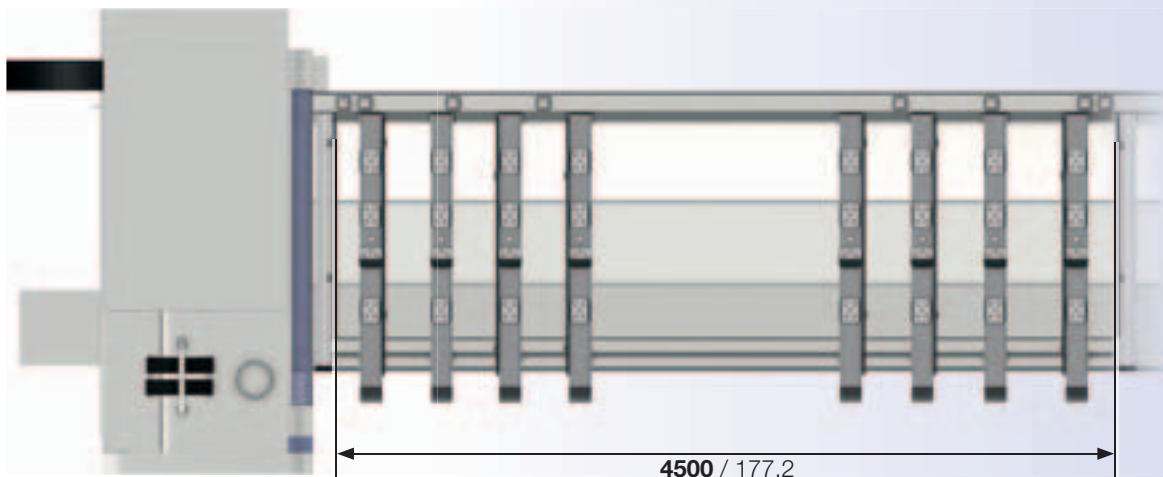
Barcode reading system Professional including software and scanner

Table Sizes

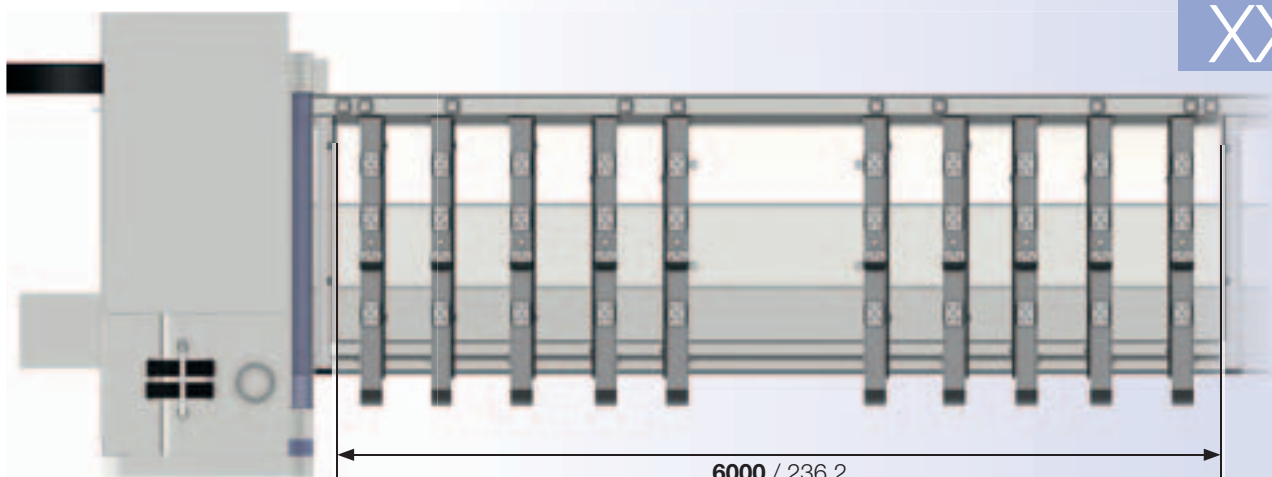
„As individual as your production“



M



L



XXL

Options | Aggregates

Venture 210



Tracing routing aggregate with tracing ring*



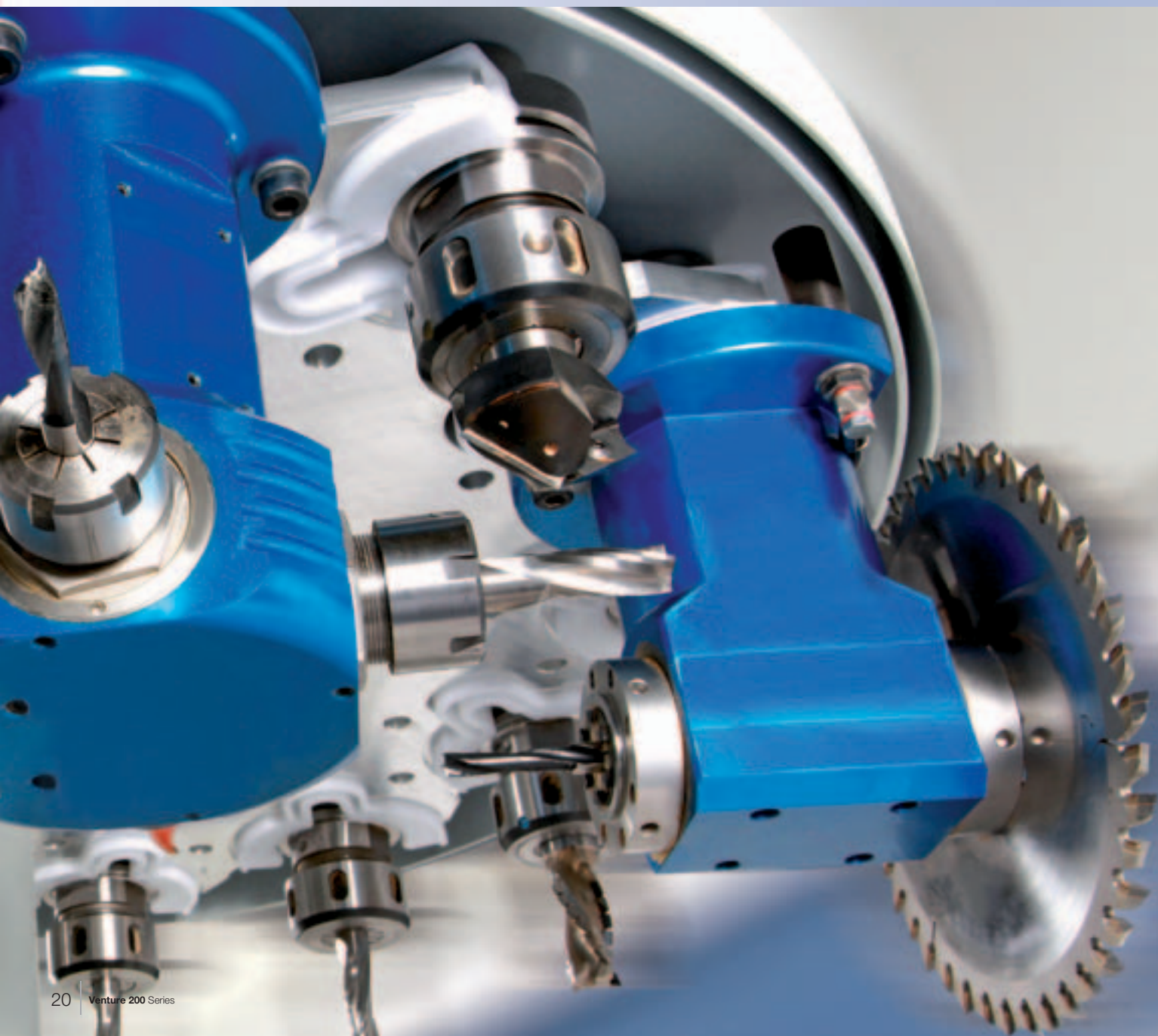
Cam box router*, 2 spindles



Drilling/Sawing, swivelling*, cranked – (0° - 90°)



Drilling/Routing, 4 spindles*, for torque support



Options | Aggregates

Venture 220 | 230 | 240

HIGH PERFORMANCE



High Performance Planing*



High Performance Sawing*



High Performance Drilling/Sawing/Routing*, 2 spindles



High Performance Cam box router*, 2 spindles



High Performance Drilling/Sawing*, swivelling, (0° - 90°)



FLEX5 | FLEX5+ Drilling/Sawing/Routing*

FLEX5

FLEX5+

Venture 220 | 230 | 240



Drilling/Routing/Sawing*, 2 spindles



Drilling/Routing*, 4 spindles



Cam box router*, 2 spindles



Drilling/Sawing, swivelling*, (0° - 90°)



Drilling/Routing, swivelling, cranked*, (0° - 90°)



Tracing routing aggregate with tracing ring*



Corner notching*



Horizontal routing aggregate*



Fitting drilling head*, 3 spindles



Cutting aggregate*



Underfloor aggregate*



Flush routing - aggregate*

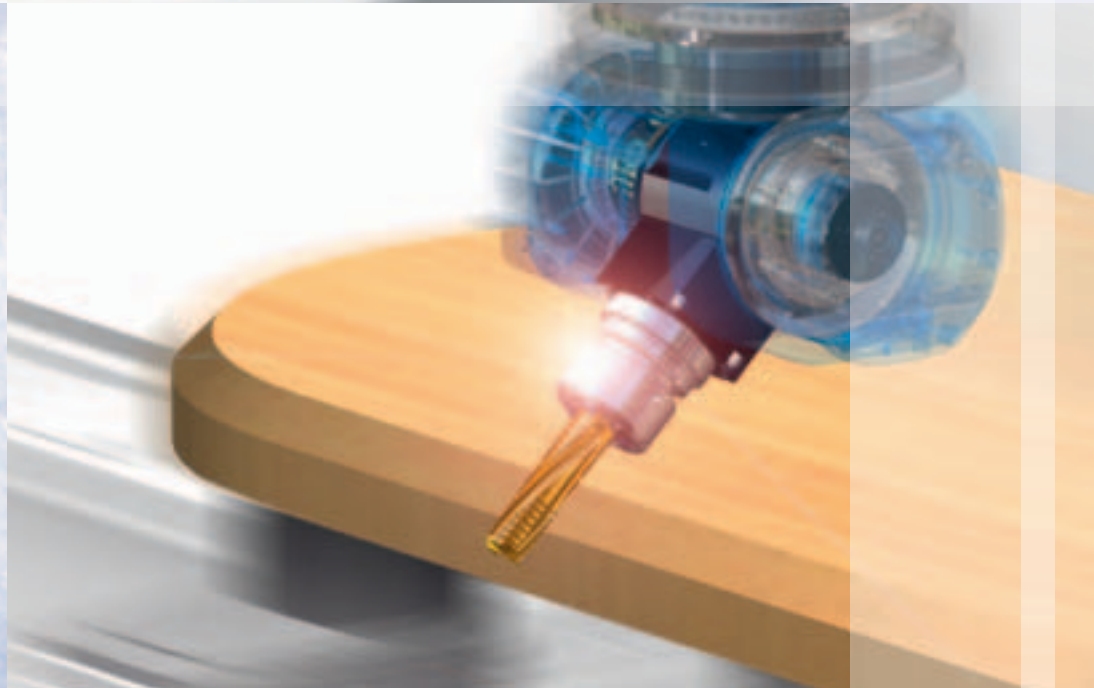
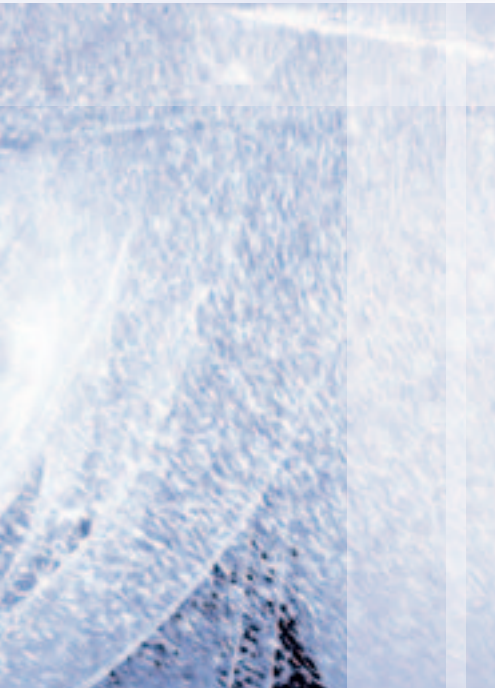
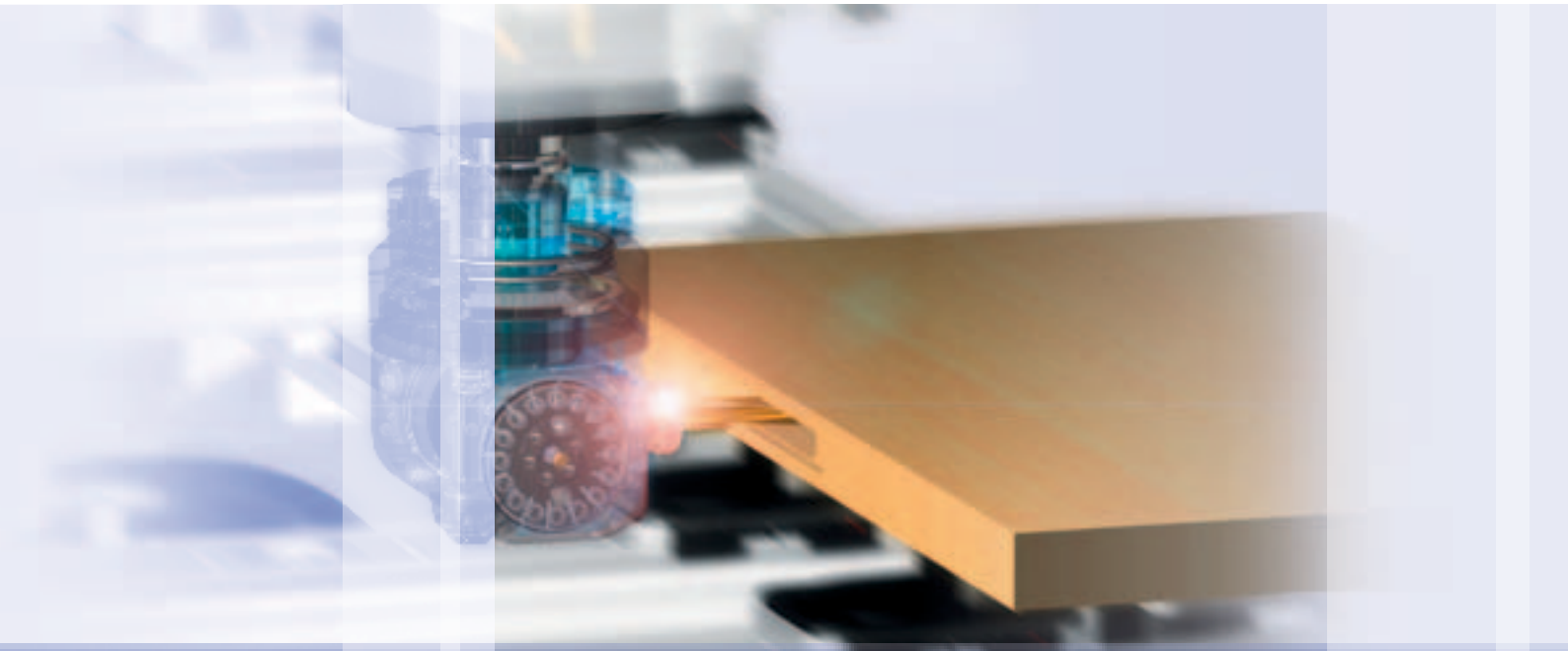
* For maximum tool lengths and diameters see the respective technical data sheet

FLEX5axis

Quality is the result
of passion for detail.

Andreas Tenzer





- Replaces up to 5 adapter aggregates
- Oil mist lubrication
- Durable connection to A axis
- Up to 18.000 min⁻¹

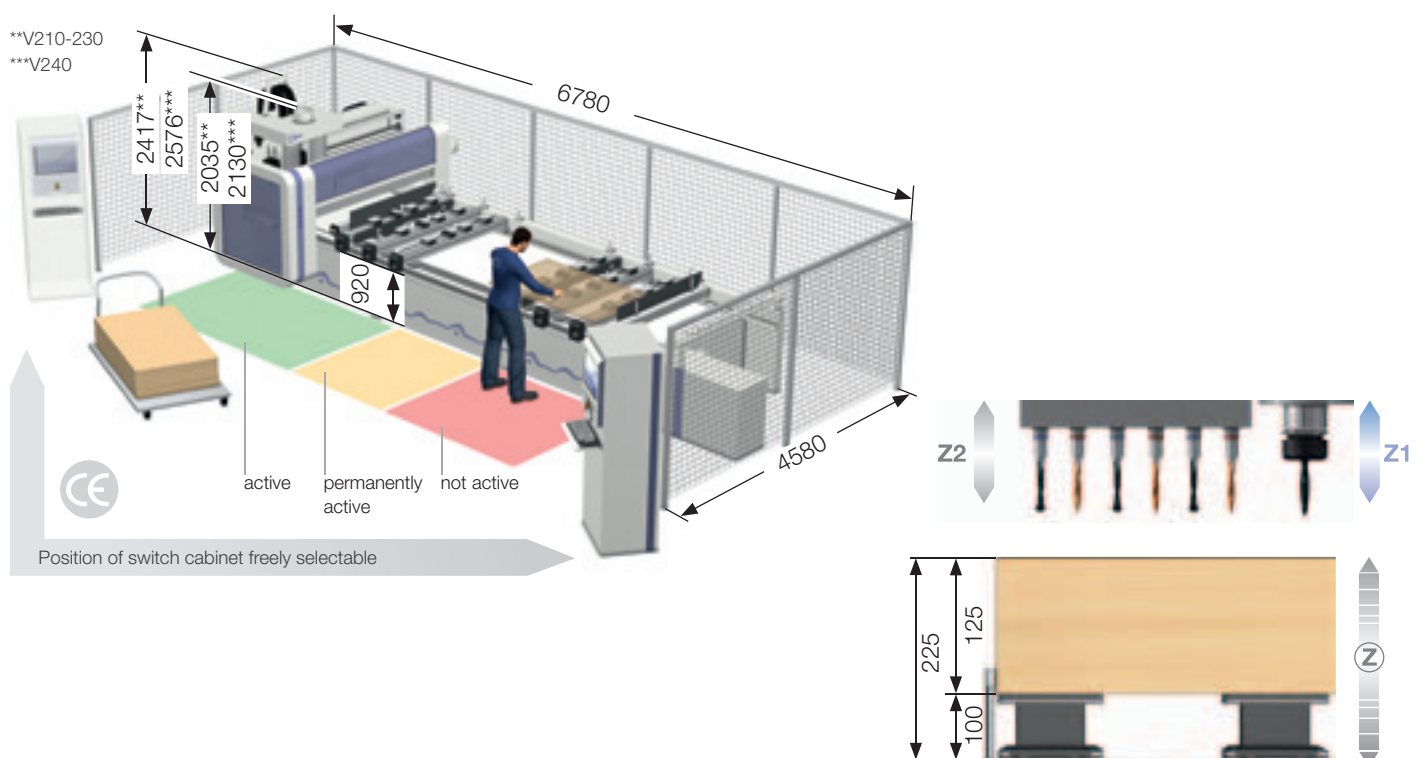
Technical Data – Overview

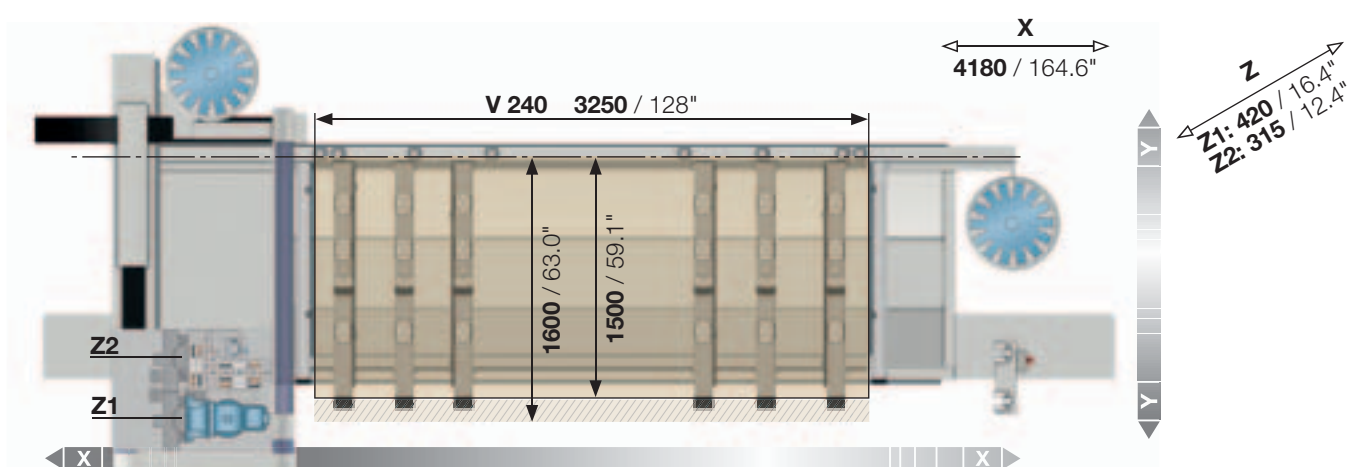
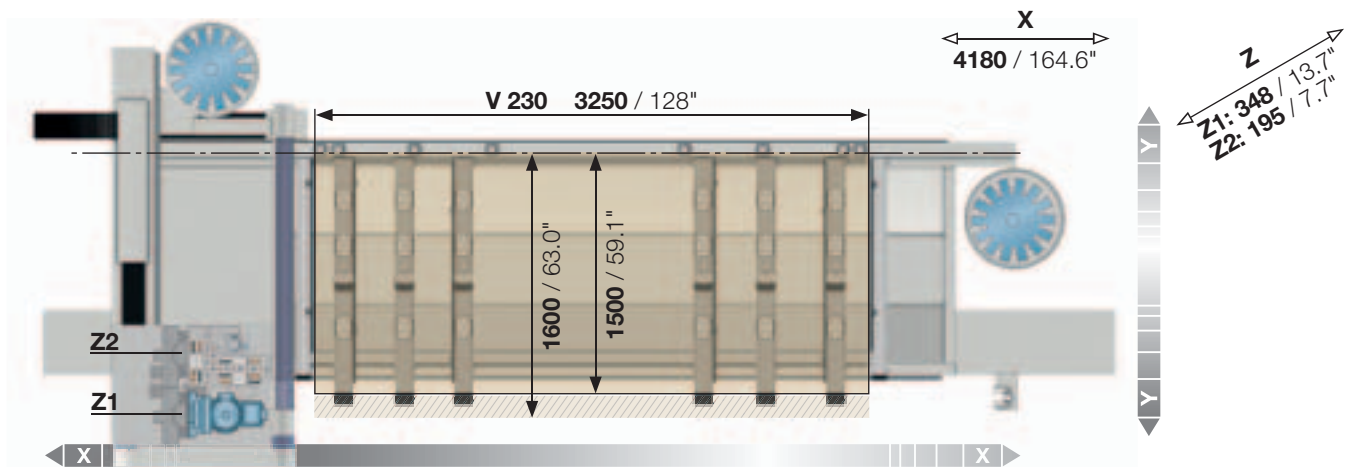
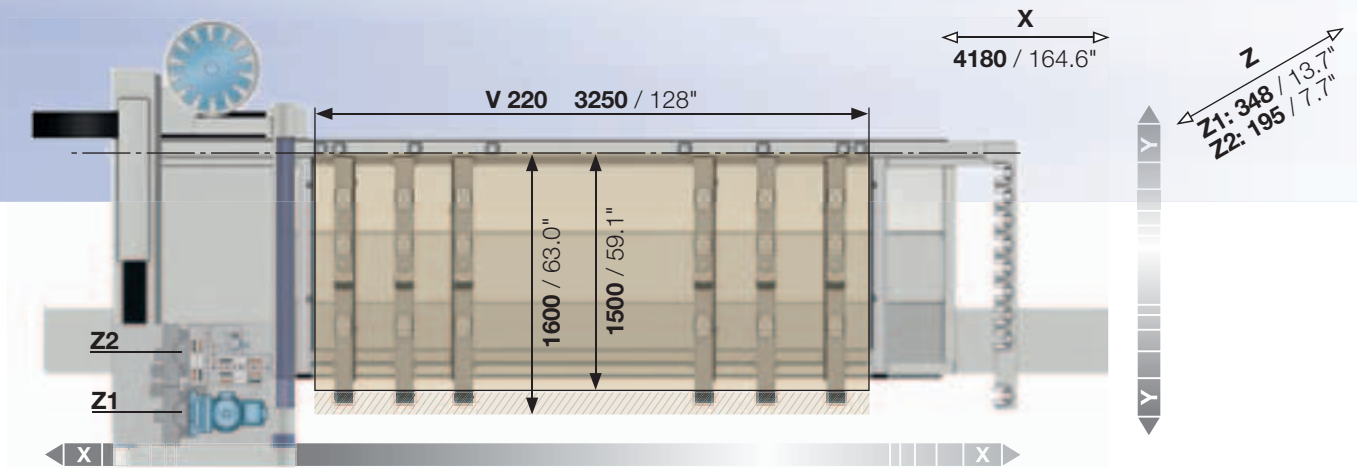
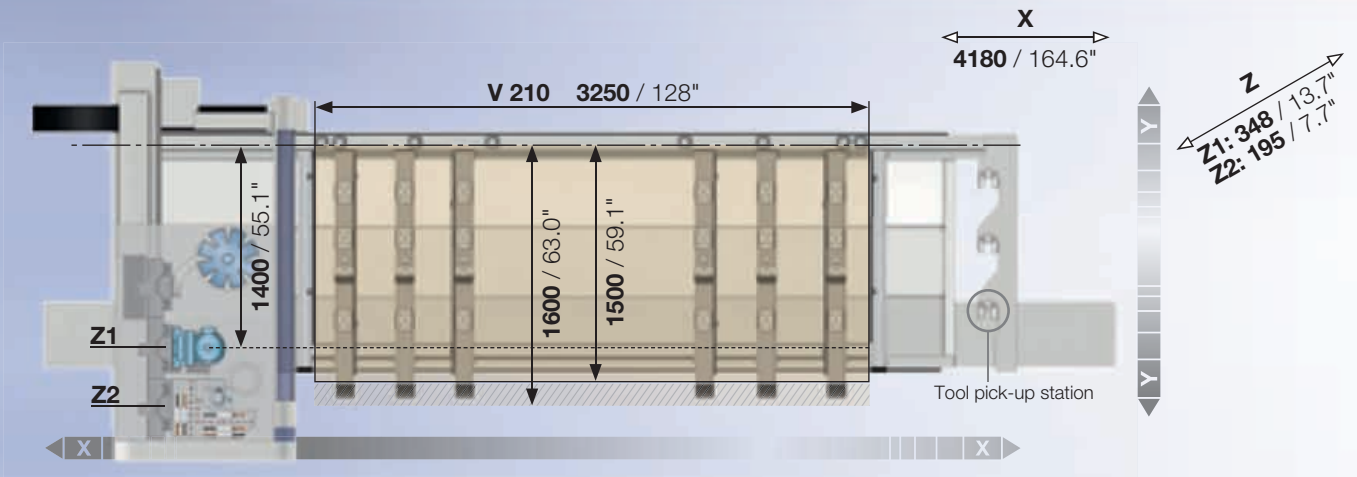
		V 210M	V 220M	V 230M	V 240M
Working field					
Working length	X	mm / inch	3250 / 128	3250 / 128	3250 / 128
Workpiece clearance	Y	mm / inch	1600 / 63	1600 / 63	1600 / 63
Routing dimension	Y	mm / inch	1400 / 55.1	1600 / 63	1600 / 63
Vertical drilling	Y	mm / inch	1600 / 63	1500 / 59	1500 / 59
Workpiece thickness	Z	mm / inch	125 / 4.9	125 / 4.9	125 / 4.9
Travel range	X	mm / inch	4180 / 164.6	4180 / 164.6	4180 / 164.6
	Y	mm / inch	1860 / 73.2	2180 / 85.8	2180 / 85.8
	Z	mm / inch	Z1: 348 / 13.7 Z2: 195 / 7.7	Z1: 348 / 13.7 Z2: 195 / 7.7	Z1: 348 / 13.7 Z2: 195 / 7.7
Alternating operation		mm / inch	1100 / 41.3	1100 / 41.3	1100 / 41.3
Assignment of working fields		mm / inch	1250 / 49.2	1250 / 49.2	1250 / 49.2

Technical data					
Vector speed	X-Y		110	110	110
	Z		20	20	20
Compressed air connection	inch		R ½	R ½	R ½
Compressed air	bar		7	7	7
Extraction connection	mm		Ø 200	Ø 200	Ø 200
Total extraction capacity	m³/h		min. 3170	min. 3170	min. 3170
Total machine weight	approx. kg		approx. 4500	approx. 4500	approx. 4700
Connected load	kW		17,5	23,5	23,5
Switch cabinet L - W - H	mm		800 - 800 - 1970	800 - 800 - 1970	1000 - 800 - 1970

Installation dimensions					
M Version	L / W / H	mm	6780 / 4580 / 2417	6780 / 4580 / 2417	6780 / 4580 / 2417
					6780 / 4580 / 2576

*depending on the configuration



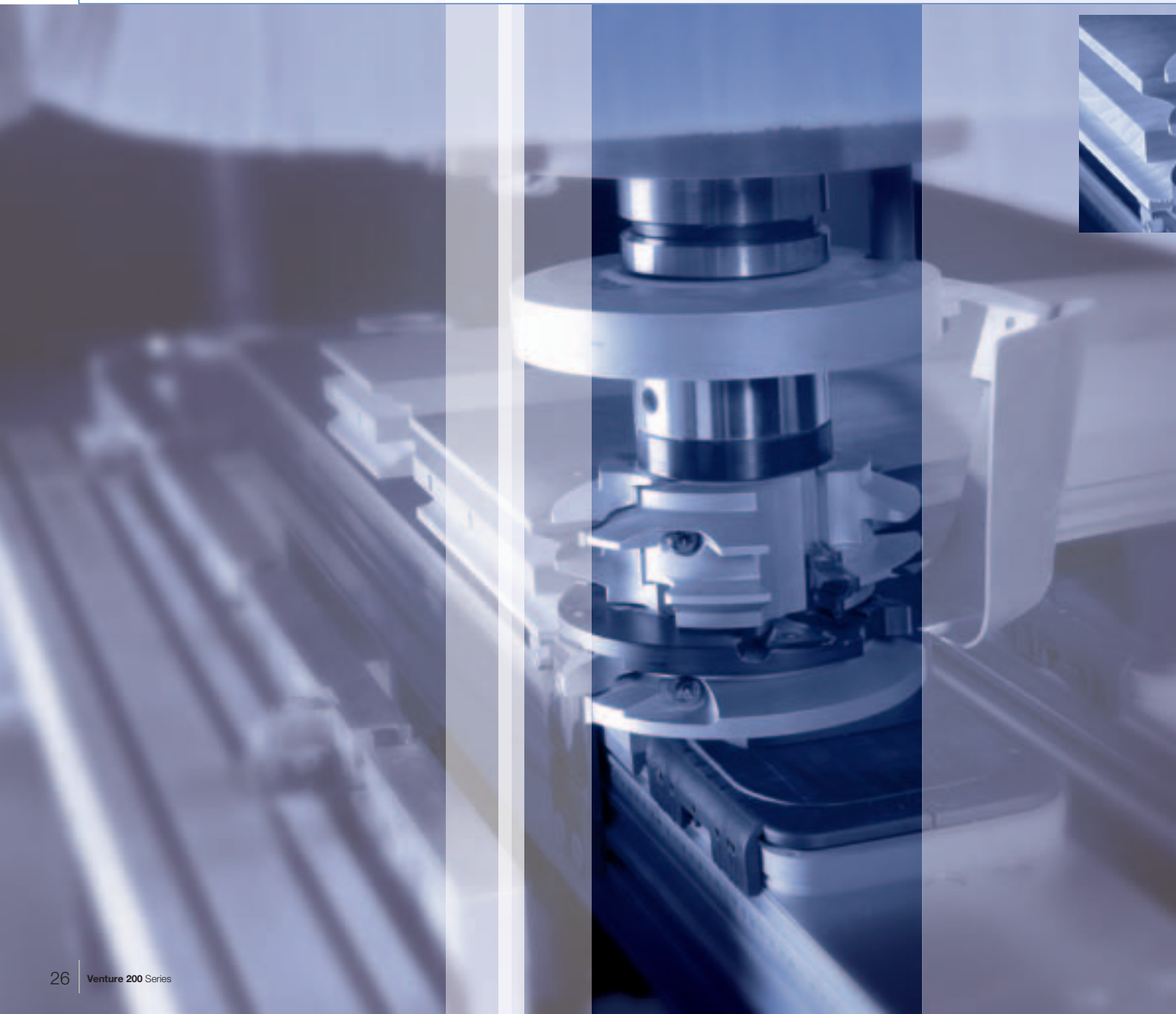


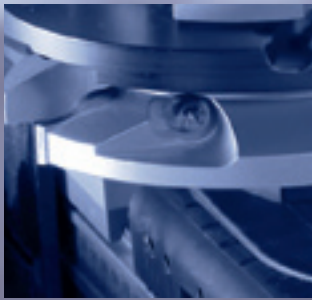
mm / inch

Venture – The 200 Series

The magic
always lies
in the detail

Theodor Fontane







**Choose the Original
Choose Success!**



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Teleservice possibility via basic internet connection (TSN possibility)

Competent spare parts service

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www.weeke.com

Any questions, new ideas,
criticism & praise to:

info@weeke.de



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