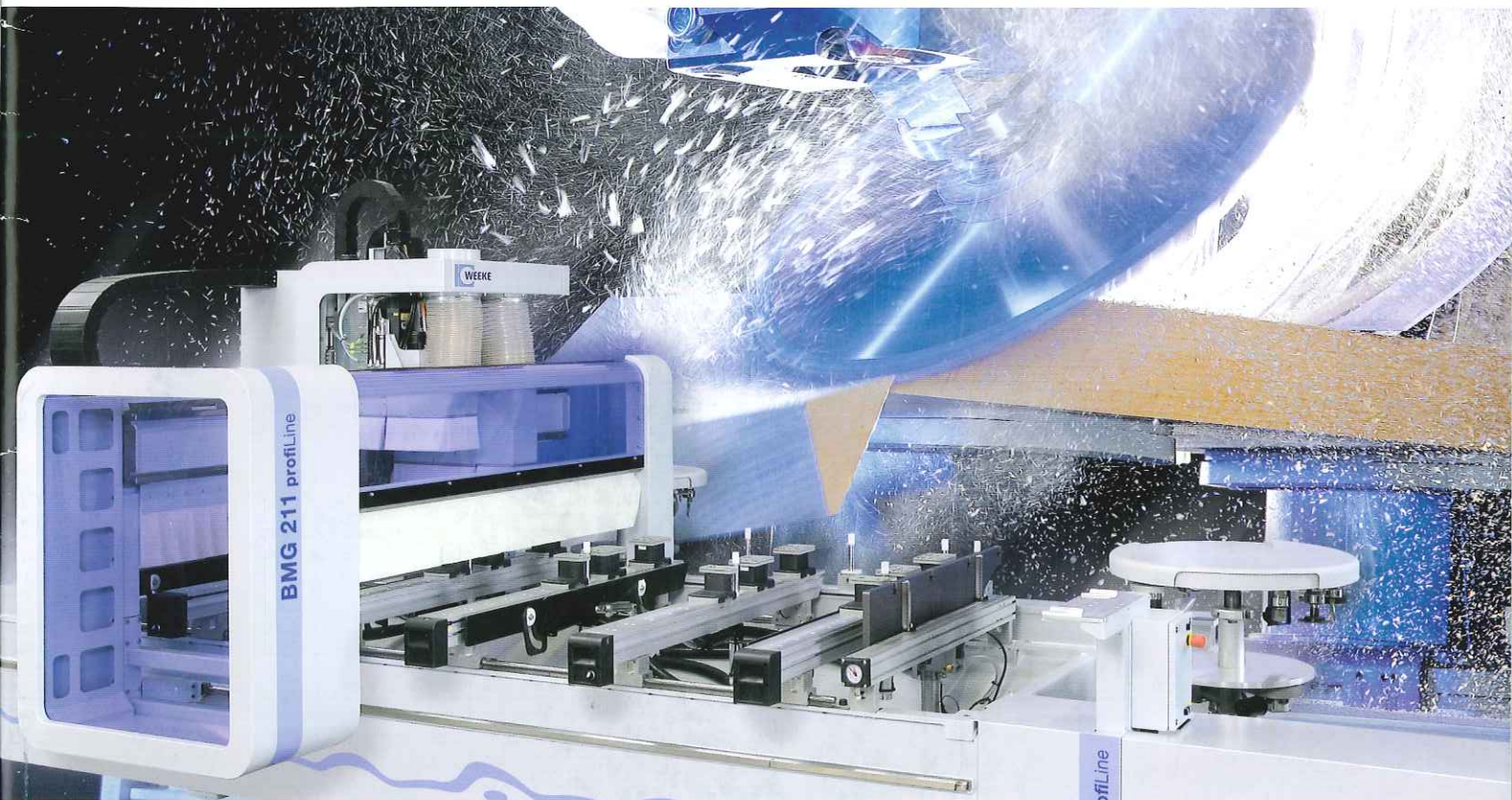


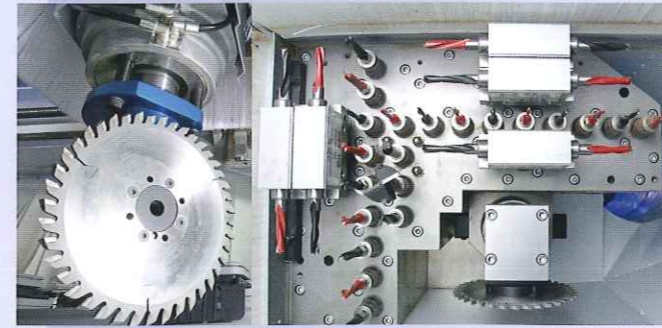
CNC Processing Centers BMG 211 series



BMG 211 series

Highlights:

- 3 rows of workpiece stops included in standard
- Lateral stop system »PURE STOP« in standard
- Routing up to 1600 mm possible
- LED positioning system available
- Interpolating C-axis available
- Up to 31 drilling spindles [High-Speed 7500] available
- Up to 28 tool change slots available
- Automatic positioning system available



Example configuration [V 230]

- 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°)



Optional: Tool changing systems

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



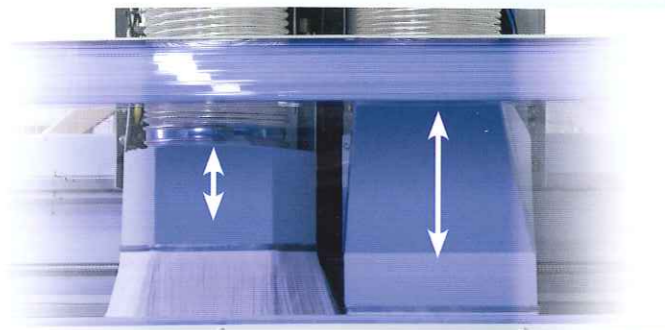
The magic
always lies in the
detail

Theodor Fontane



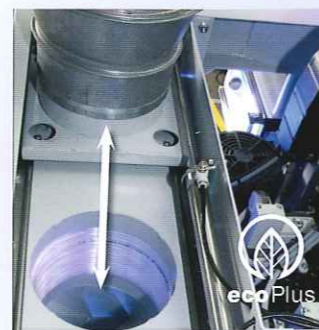
Pictures may also show options

All inclusive – your standard equipment in the BMG 211 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



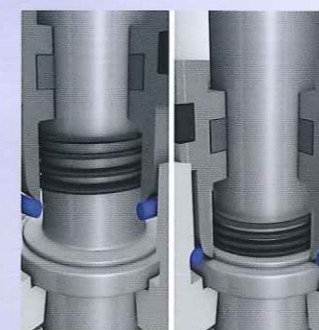
Electronic cylinder surveillance

Improved safety by electronic surveillance of all stop cylinders



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«

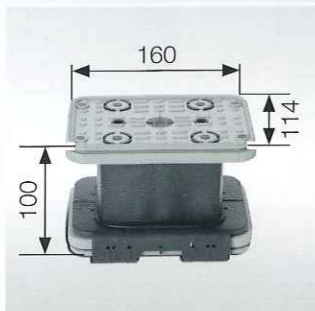
Made of anodized aluminum and guided by sealed linear guides »PURE STOP« provides an exact and solid stop edge



Stops for veneer overhang

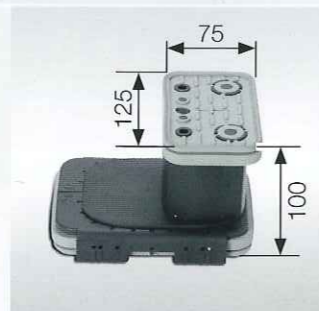
Ensures easy positioning in the case of veneer overhang

Depending on the K-table size | M | L | XXL



Vacuum cups – wide

- 18 vacuum cups (table length 3250)
- 24 vacuum cups (table length 4500)
- 30 vacuum cups (table length 6000)



Vacuum cups – narrow

- 6 narrow vacuum cups (table length 3250)
- 8 narrow vacuum cups (table length 4500)
- 10 narrow vacuum cups (table length 6000)



Workpiece feeding rail

Solid feeding rails to ease placing of heavy workpieces



Linear guiding system

Sealed »long-life« linear guiding system



Tool pick-up station

Safe and quick fitting of the tool changer



ecoPlus – energy saving function

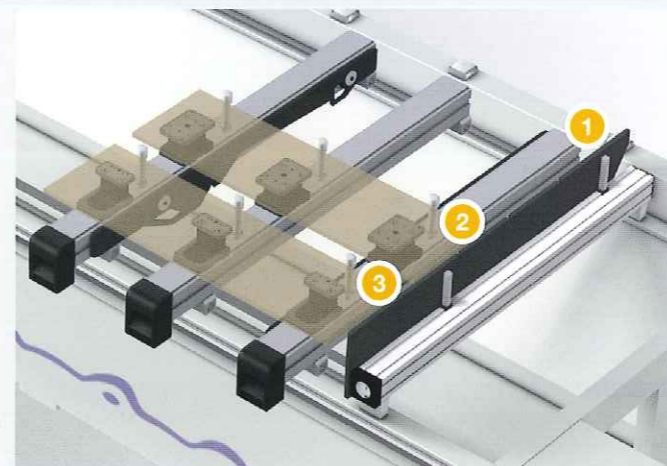
- Simple activation of the stand-by mode
- Vacuum pump is switched off (savings of up to 12%)
- Reduction of compressed air (savings of up to 6%)



Sealed cable drag chains

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

3 rows of stops included in the standard



For positioning of workpieces three rows of stops are already included in the standard. The stop position depends on the workpiece size – small ones at the front | large ones at the rear.

For further details see page 10.



Pictures may also show options

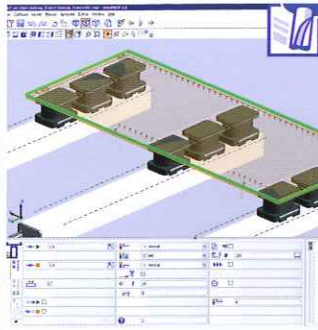


powerControl

- 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)

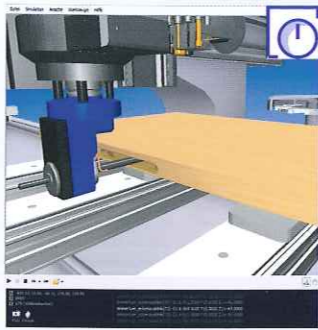
Software – High-End already included in the standard

Software | Machine



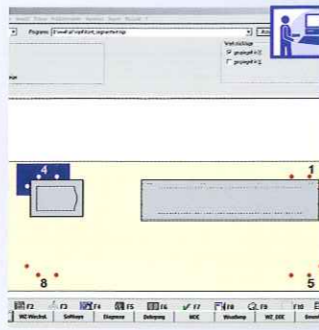
woodWOP

- Modern software based on Windows®
- More than 30.000 installations worldwide



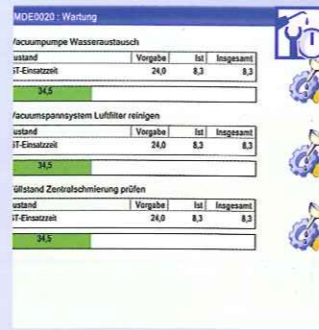
3D CNC-Simulator

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



MCC

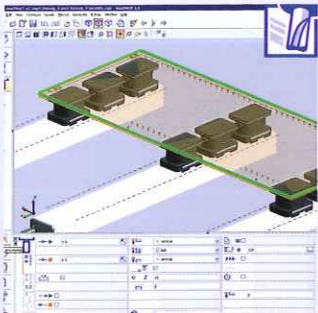
- Simple control of the machine functions via softkeys
- Graphical loading



Machine Data Recording

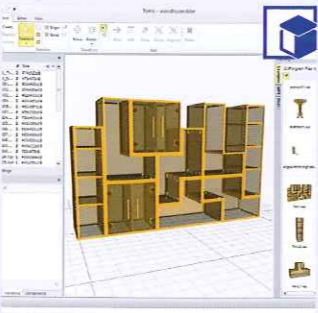
Collecting and evaluating machine states via time meter and event meter

Software | Office



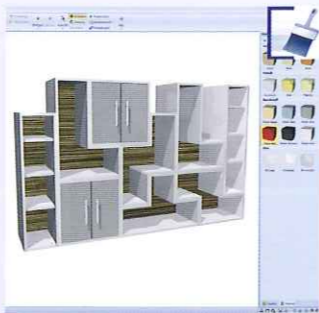
woodWOP

- Modern software based on Windows®
- More than 30.000 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

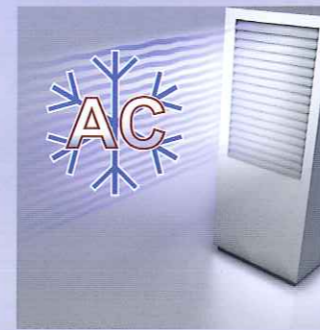


woodWOP DXF Basic

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

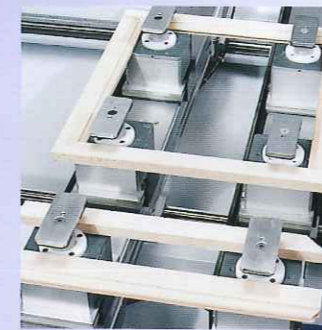
Pictures may also show options

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)



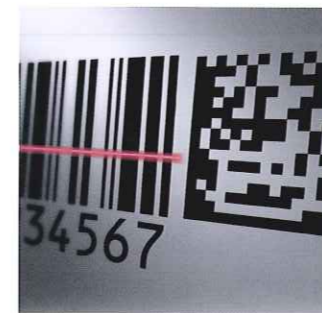
Software

- 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
- Supported barcodes:
 - 1D – Barcode
 - 2D – Data Matrix Code



Barcode connection

Barcode reading system including software and scanner

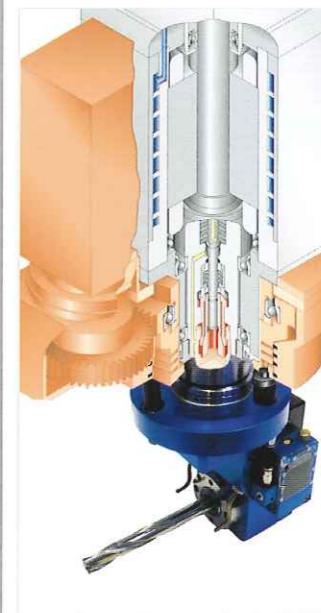
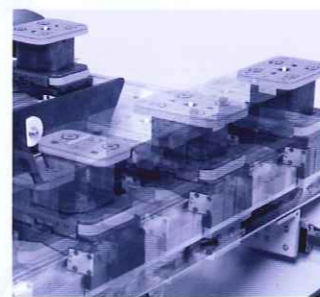


Tool box »STARTER KIT«

Top equipment – from the very start

AP-table

AP – automatic positioning system – provides the key to greater convenience, faster set-up and optimized processing steps. Saves time and enhances flexibility



Water-cooled routing spindle

Incl. interpolating C axis and High-Performance Cam box router aggregat

Option | powerTouch



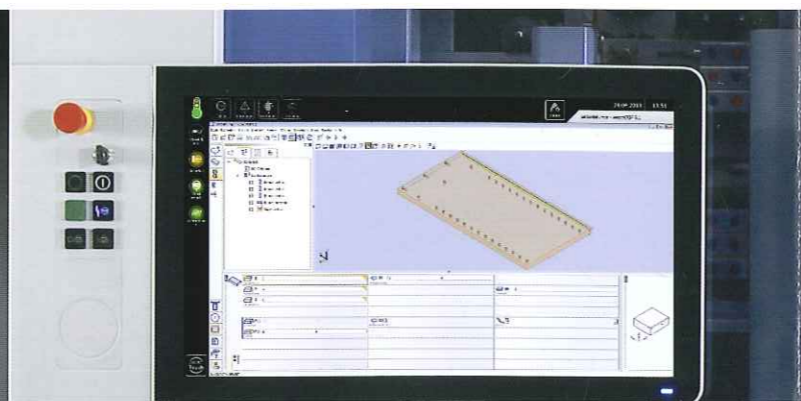
powerControl with powerTouch

- 21,5" Full-HD multitouch display with wide screen 16:9
- Front USB interface
- Ethernet connection 10/100 Mbit

powerTouch implements the HOMAG Group's new operating philosophy: Easy, equal, ergonomic and evolutionary. The innovative touchscreen operating concept unites design and function to create a totally new control generation.



evolutionary



easy



ergonomic



equal

Options | Aggregates

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*



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*

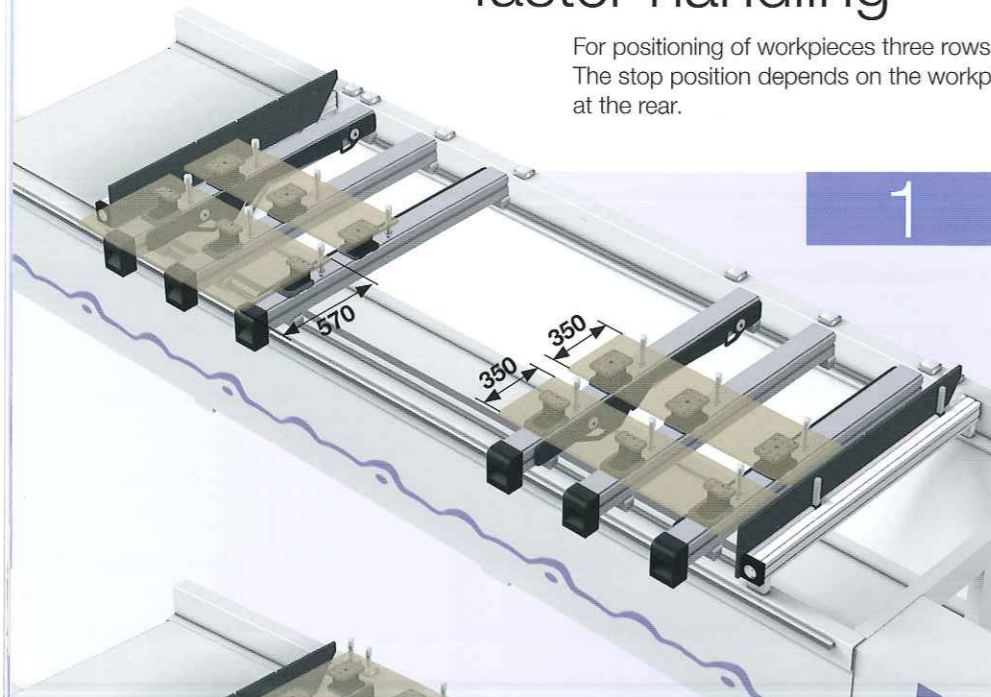
Flush routing - aggregate*

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

3 rows of stops included in the standard

„Excellent ergonomics and faster handling“

For positioning of workpieces three rows of stops are already included in the standard. The stop position depends on the workpiece size – small ones at the front | large ones at the rear.

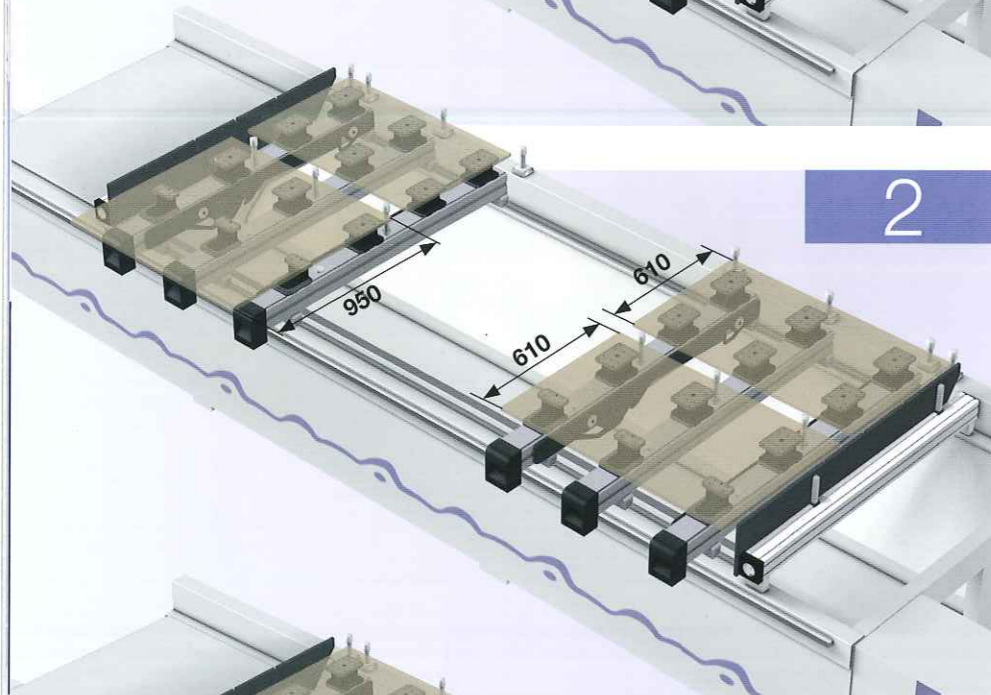


1

The three rows of stops can be combined as follows:

- [1] Center row of stops combined with front row of stops
- [2] Rear row of stops combined with center row of stops
- [3] Rear row of stops only*

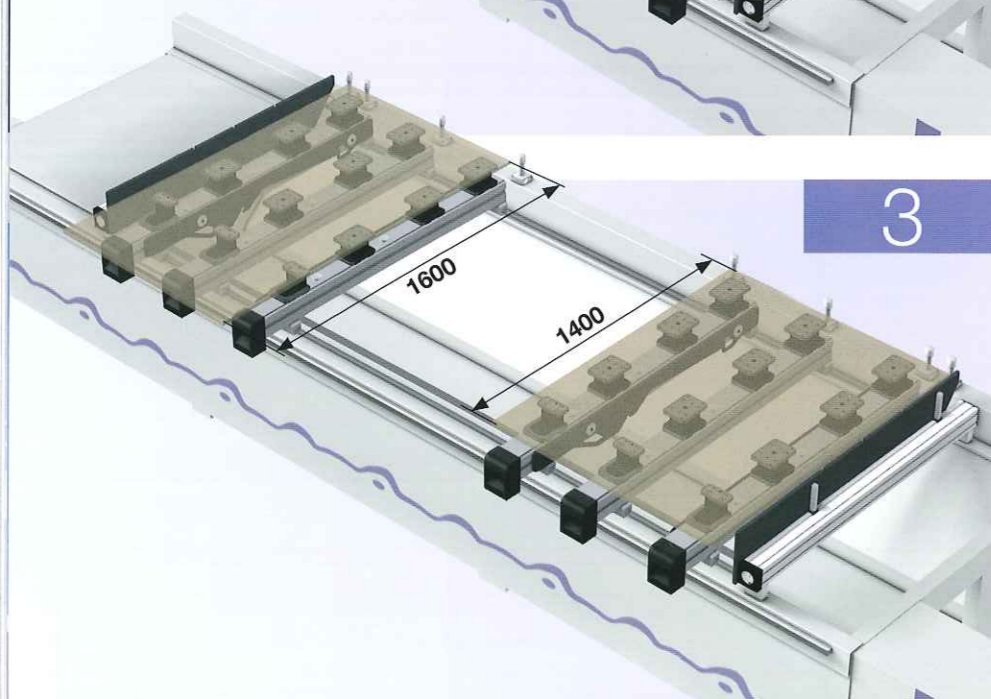
* Note: Depending on the machine configuration processing of up to 1600 mm is possible.



2

Your advantages:

- Improved ergonomics
→ greater ease of use
- Faster handling with smaller workpieces
- Small and middle-sized workpieces can be positioned in pairs
- Rows of stops can be combined
- Higher efficiency
- Less tool changes required due to optimized slot assignment

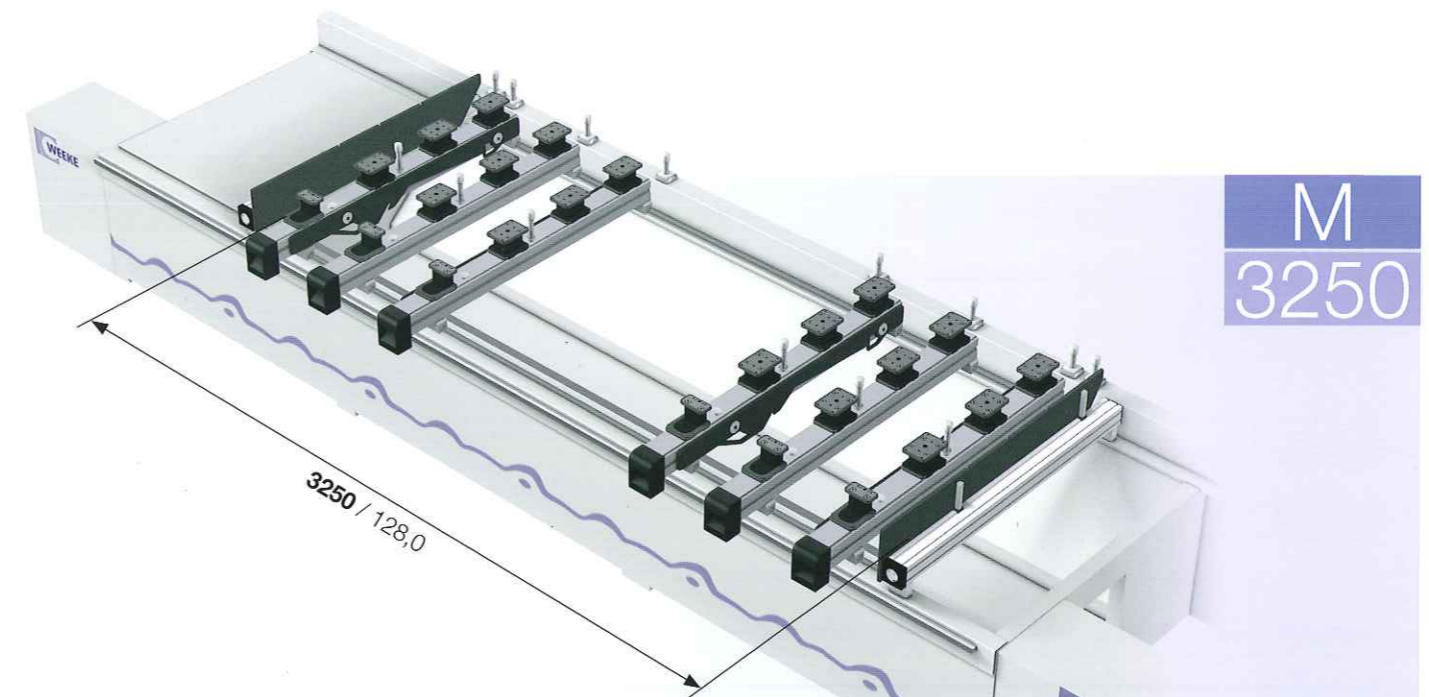


3

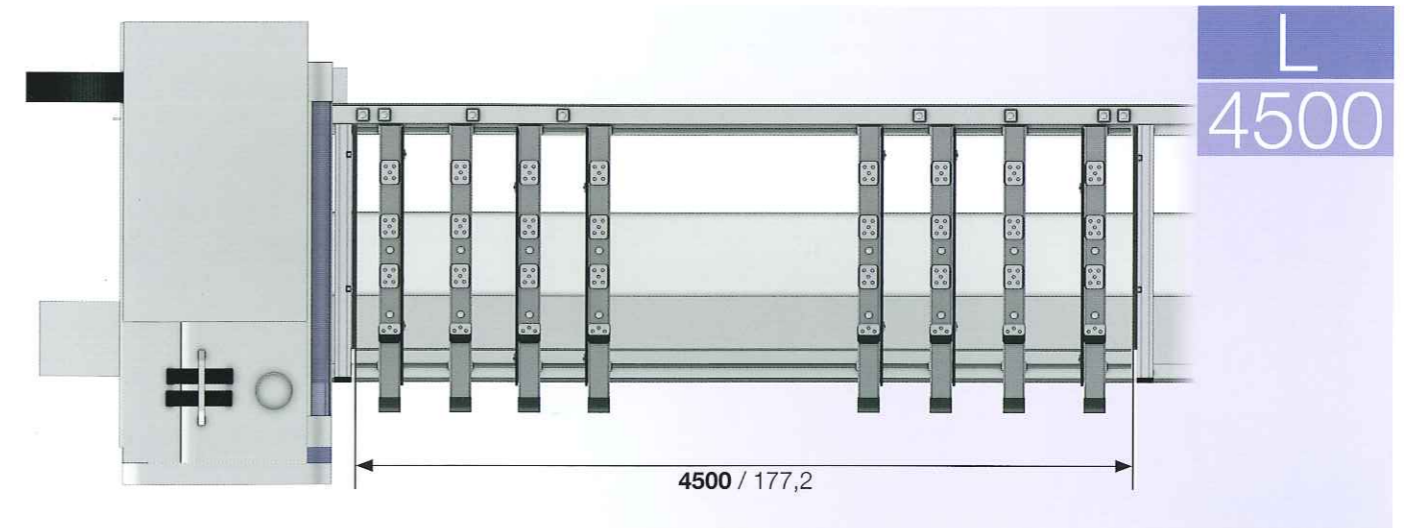


Available in 3 working lengths: M | L | XXL

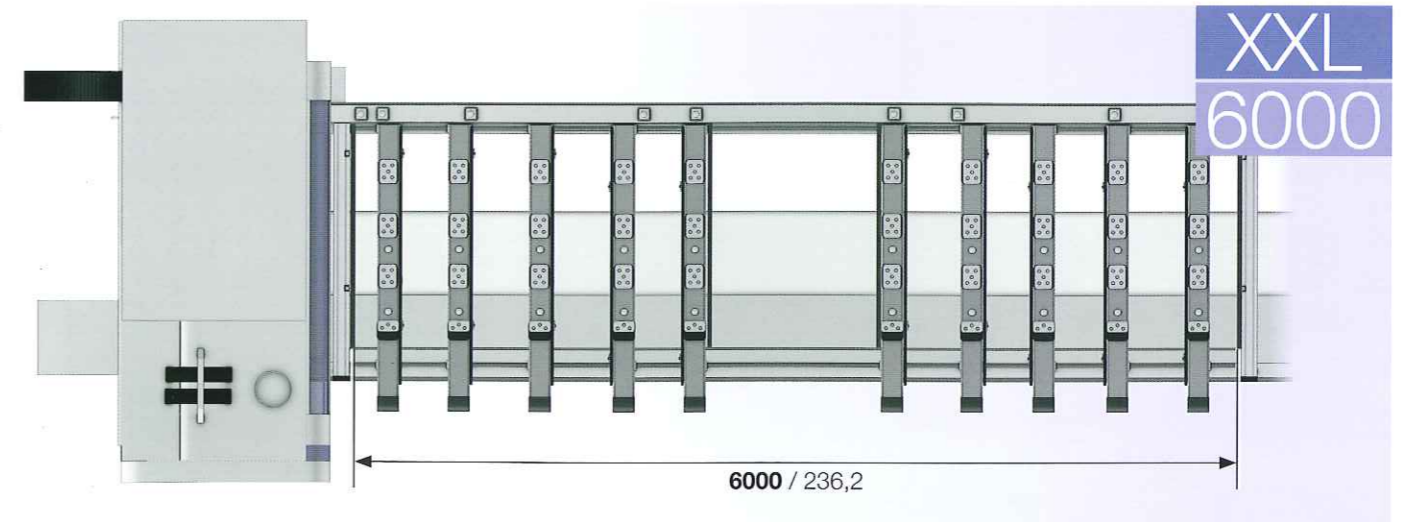
„As individual as your production“



M
3250



L
4500



XXL
6000

Illustrations may also show optional equipment

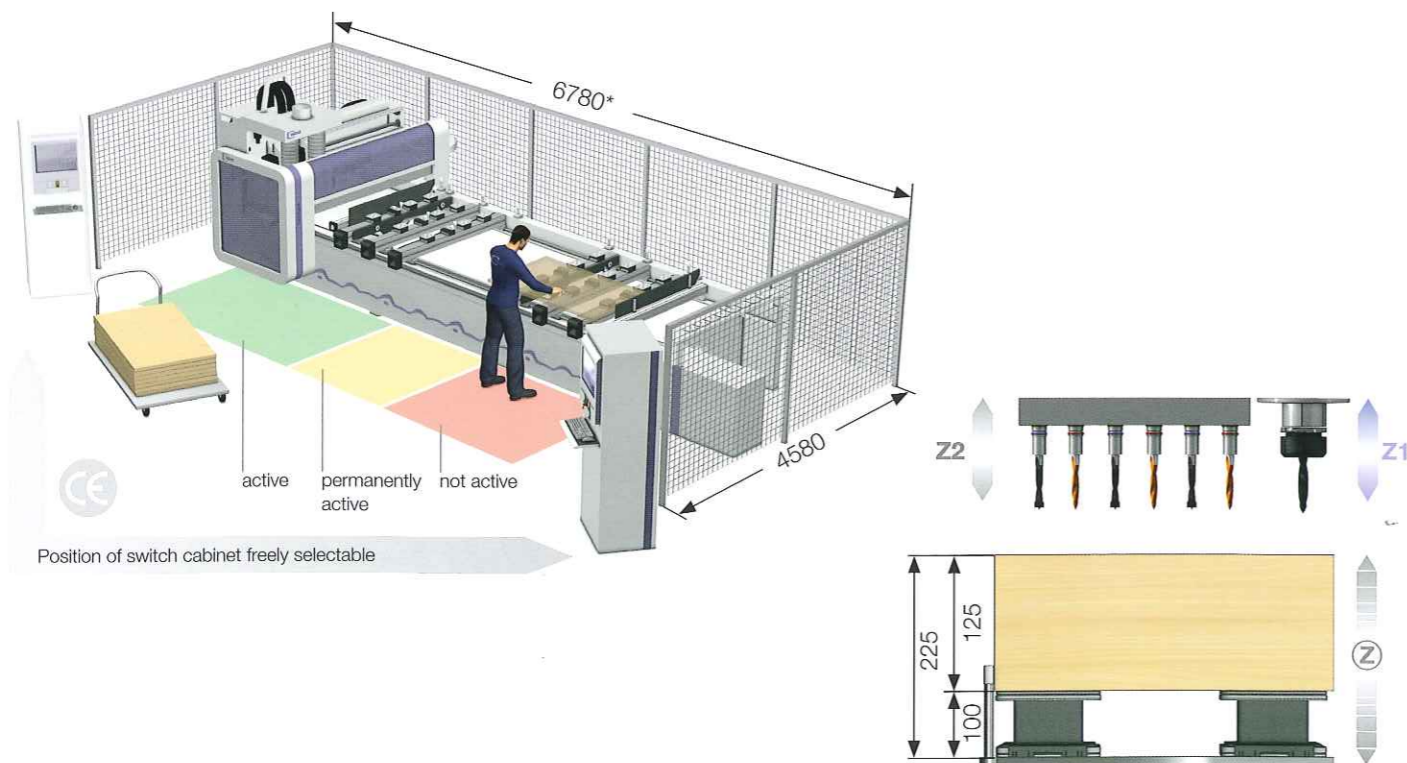
Technical Data | Configurations*

		BMG 211 [V 210M]	BMG 211 [V 220M]	BMG 211 [V 230M]	BMG 211 [V 240M]
Working field					
Working length	X	mm / Zoll	3250 / 128	3250 / 128	3250 / 128
Workpiece clearance	Y	mm / Zoll	1600 / 63	1600 / 63	1600 / 63
Routing dimension	Y	mm / Zoll	1400 / 55.1	1600 / 63	1600 / 63
Vertical drilling	Y	mm / Zoll	1600 / 63	1500 / 59	1440 / 56.7
Workpiece thickness	Z	mm / Zoll	125 / 4.9	125 / 4.9	125 / 4.9
Travel range					
	X	mm / Zoll	4180 / 164.6	4180 / 164.6	4180 / 164.6
	Y	mm / Zoll	1860 / 73.2	2180 / 85.8	2205 / 86.8
	Z	mm / Zoll	Z1: 348 / 13.7 Z2: 195 / 7.7	Z1: 348 / 13.7 Z2: 195 / 7.7	Z1: 420 / 16.4 Z2: 315 / 12.4
Alternating operation		mm / Zoll	1100 / 41.3	1100 / 41.3	1100 / 41.3
Assignment of working fields		mm / Zoll	1250 / 49.2	1250 / 49.2	1250 / 49.2

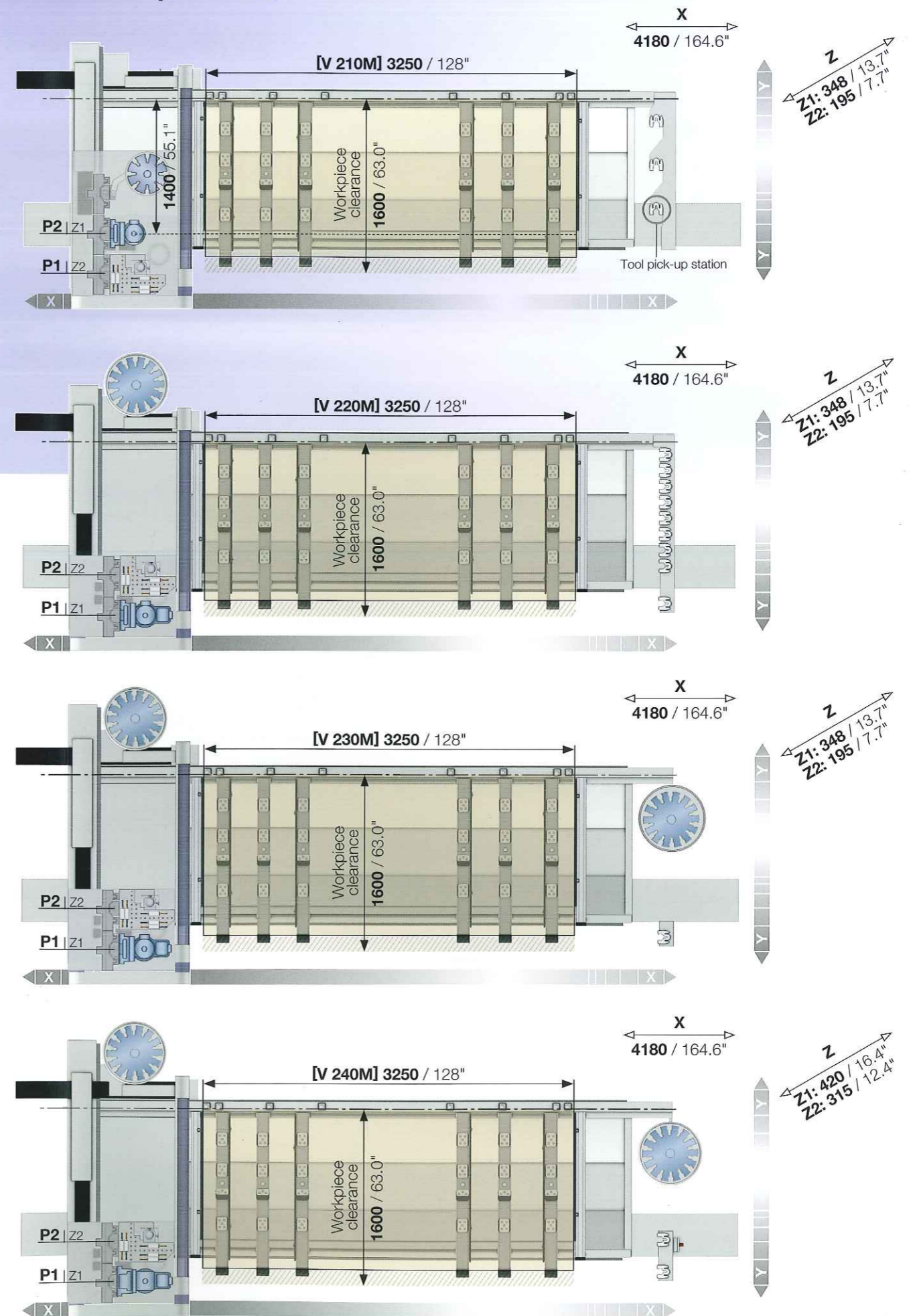
Technical data					
Vector speed	X-Y	110	110	110	110
	Z	20	20	20	20
Compressed air connection	Zoll	R ½	R ½	R ½	R ½
Compressed air	bar	7	7	7	7
Extraction connection	mm	Ø 200	Ø 200	Ø 200	Ø 200
Total extraction capacity	m³/h	min. 3170	min. 3170	min. 3170	min. 3170
Total machine weight	approx. kg	approx.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

* Note: Depending on the configuration, please see the data in the corresponding technical data sheet.



BMG 211 | Configurations*





Choose the Original Choose Success!

For the Success of Original Technology
A campaign of the VDMA



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criticism & praise to:
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