

Processing Center Optimat ABD 100



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**Horizontal drilling, gluing and
dowelling with one machine**

Highlights:

- Addition to the processing center or stand-alone solution
- No prescribed drilling or dowelling patterns
- Simple and rapid material handling
- No set-up times
- Easy software programming with woodWOP

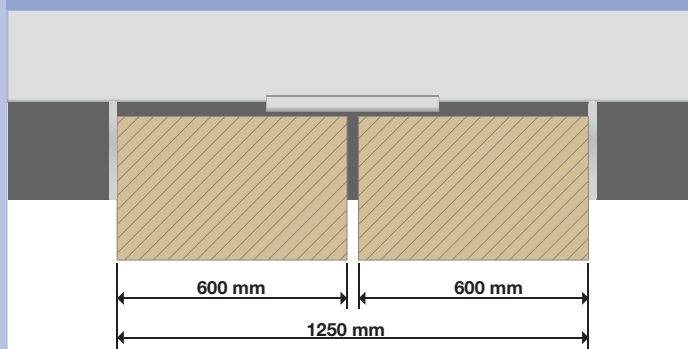


Drilling spindle and doweling aggregate (standard)



For precise processing while drilling and dowelling horizontally

Alternate operation 2 x 600 mm

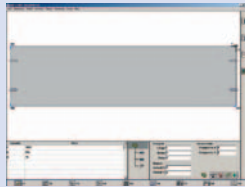


4-fold positioning via centre stop, optionally available



Software

woodWOP



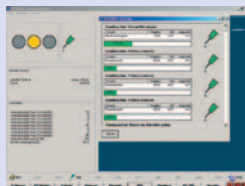
- Modern software based on Windows®
- More than 10.000 installations worldwide

MCC



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

MDE



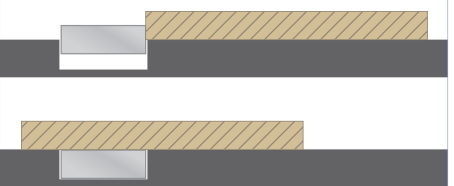
- Machine Data Recording - collecting and evaluating machine states via time meter and event meter

power control with UPS



- 15" TFT monitor
- CD-writer
- Modem
- USB frontside bus
- UPS - protects the computer against damages in case of mains interruption

Retractable guides (option)



For processing of extended workpieces (>1250 mm)

Barcode interface (option)



Barcodescanner / -software

3 vertical drilling spindles (option)



Individually selectable drilling spindles with 32 mm pitch for diverse drill diameters up to Ø 35 mm

3 horizontal drilling spindles (option)



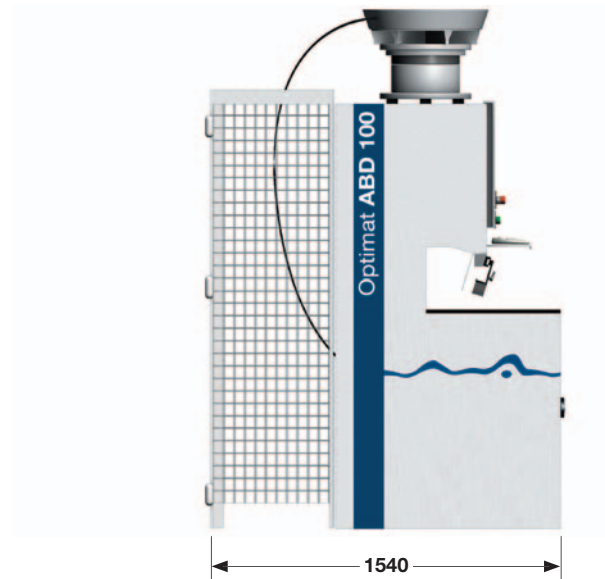
Individually selectable drilling spindles in 32 mm pitch for diverse drill diameters and doweling distances (64 mm / 96 mm)

NC-Axes in Y und Z (option)



For automatic adjustment of diverse work-piece thicknesses, drilling depths and distances to the workpiece edge

Setting up dimensions



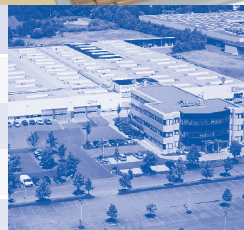
Handling example



TECHNICAL DATA

Workpiece dimensions

Length/Width/Thickness (min)	mm	20/50/10
Length/Width/Thickness (max)	mm	1250/800/60
Compressed air connection	inch	R 1"
Compressed air supply	bar	min. 7
Total connected voltage	kW	appr. 7,7
Extractor connection	mm	1 x D 80
Extraction speed	m/sec.	min. 30
Supply voltage	A	25
Total machine weight	kgs	appr. 1600



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Processing Center Optimat ABD 100



ABD 100

Horizontal drilling, gluing and dowelling with one machine

Horizontal drilling, gluing and dowelling in seconds

The **ABD 100** processes workpieces with impressive speed and precision.

With the **ABD 100**, processing centers can be utilised even more effectively. Increased productivity resulting in increased profits are achieved thanks to drilling, gluing and dowelling in a matter of seconds.

■ Addition to the processing center

Greater productivity for the company.

■ Stand-alone solution

The **ABD 100** can be used as a stand-alone, independent machine for horizontal drilling, gluing and dowelling.

■ No prescribed drilling or dowelling patterns

Construct according to the customer's requirements and not according to the machine capabilities.

■ Simple and rapid materials handling

Short distances and perfect ergonomics ensure that the user can work quickly and safely.

■ Effective working

Handling times are minimised and production times maximised.

■ No set-up times

React quickly to customer requirements and secure a competitive edge.

WORKPIECE DIMENSIONS

	min.	max.
Length	50 mm (2")	800 mm (31 1/2")
Width	20 mm (4/5")	1.250 mm (49 1/5")
Thickness	10 mm (2/5")	60 mm (2 2/5")

CONNECTION DATA

Supply voltage	3 x 400 V, 50 Hz
Connected wattage	approx. 7.4 kW
Extractor connection	1 x D 80
Extraction speed	min. 30 m/sec.
Compressed air supply	min. 6 bar
Compressed air connection	1 x 1"

TECHNICAL SPECIFICATION

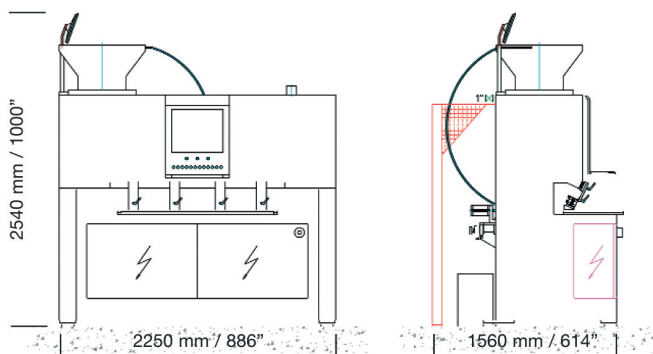
- 3 horizontal drill spindles
- 1 dowel driving device
- Standard dowel dimension: 8 mm diameter x 35 mm length
- Dowel tolerances:
 - +/- 0.2 mm for diameter;
 - +/- 1.0 mm for length
- Dowel adhesive: Glue or Water

OPTIONS

- Vertical drilling from above
- Positioning axis in Z direction
- Positioning axis in Y direction
- Drill gearbox with individually-selectable spindles
- 4 positioning sections
- Working range up to 2500 mm
- Glue control
- Special dowel dimensions

CONTROL

- PC control
- woodWOP software for easy programming
- Integration software for scanner connection
- Network connection
- PC modem for remote diagnosis



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