

Semi-automatic or fully automatic wet cutting machine – series MN-400 A



The series MN-400 A1-A3 is characterized by a sturdy construction.



- 1 Control panel with touchscreen display and joysticks for all servo axes.
- 2 Big inside space with extremely long movement of the table and of the cutting wheel.
- 3 Mobile water tank with integrated screen for coarse dirt, inside or at side of the machine.

MN-400 A1

Hand lever machine with cross table (longitudinal: servo-controlled; cross: manual). Automatically longitudinal and puls cutting.

MN-400 A2

Full-automatic machine with servo controlled longitudinal and lowering of cutting wheel; manual cross movement. Automatically longitudinal, chop cut; pulse cut and oscillation cut.

MN-400 A3

Additional with servo driven cross table movement.

All the machines in this series are certified with the CE mark in accordance with EC guideline 2006/42EG.

Characteristics:

- + Sturdy, welded machine design
- + Machine completely powder coated
- + Main drive 10 kW
- + Max. dimension cutting wheel \varnothing 400 mm

- + Movement of axes stepless by joystick
- + Storable cutting programs
- + All servo-axes with full-automatic speed control
- + Side openings for long material

Optional:

- Infinitely variable speed control
- Laser device
- Collection basket for small parts
- Band or magnetic filter, filter bag holder
- Centrifugal separator
- Different clamping devices
- Cutting wheels

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Technical details:

	MN-400 A1	MN-400 A2	MN-400 A3
Main drive 400 V, 50 Hz, 3 Phases current	10 kW	10 kW	10 kW
Max. cutting wheel size	400 x 4.0 x 32 mm	400 x 4.0 x 32 mm	400 x 4.0 x 32 mm
Circumferential fixed speed	45 m/s	45 m/s	45 m/s
Circumferential variable speed*	25 – 63 m/s	25 – 63 m/s	25 – 63 m/s
Tool table Width x Depth 6 T-slots	450 x 400 mm 14 mm DIN 650	450 x 400 mm 14 mm DIN 650	450 x 400 mm 14 mm DIN 650
Z-axis-cutting wheel	Hand lever 250 mm	Servo axis 250 mm	Servo axis 250 mm
X-axis-longitudinal table of machine	Servo axis 430 mm	Servo axis 430 mm	Servo axis 430 mm
Y-axis-cross table of machine	Hand wheel 100 mm	Hand wheel 100 mm	Servo axis 100 mm
Rate of feed	0.1 – 9.9 mm/s	0.1 – 9.9 mm/s	0.1 – 9.9 mm/s
Greatest speed – rapid traverse	85 mm/s	85 mm/s	85 mm/s
Coolant pump	60 l/min	60 l/min	60 l/min
Water box	approx. 115 l	approx. 115 l	approx. 120 l
Interior lighting 24 VDC	24 V – LED 7 W	24 V – LED 7 W	24 V – LED 7 W
Machine dimension with operating display (Width x Height x Depth)	975 x 1,850 x 1,750 mm	975 x 1,850 x 1,750 mm	975 x 1,850 x 1,750 mm
Weight	950 kg	950 kg	980 kg
Electrical connections	11.5 kW / 32 A	11.5 kW / 32 A	11.5 kW / 32 A

*optional

Everything from a single source:

Thanks to our integration into the **Pütz Group** and the resulting **synergy effects** we are able to offer you not just production and specialist cutting-off machines but also the appropriate testing technology to test surfaces as well as for dimensional accuracy.

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