



Rounding machine RMD 100 / 200 / 500

For the production of round and cylinders from blocks or plates of glass, quartz, ceramics etc.

The RMD range of machines provides an efficient production of precise circular blanks from square and polygonal glass blocks. Exept for manual loading and unloading the machines operate fully automatically. The control is extremely operator-friendly and permits easy programming of each process step.

The diamond tool works at a 45° angle (RMD100 and RMD200) or at a right angle (RMD500) to the rotating workpiece axis. The cylindricity can be adjusted by swivelling the workpiece axis. All movement axes are equipped with prestressed recirculating ball guides and are driven by stepper motors over ball screws. The directly driven precision smoothing spindle and the workpiece spindle are steplessly speed-controlled. The electical cabinet containing the control components is installed in the machine frame (RMD100/RMD200) or mounted to the rear of the machine frame (RMD500).

The working area of the RMD100 and RMD200 is completely protected by a hood which can be tilted back. Loading and unloading is done by a sliding door. At the RMD 500 the access to the working area is assured by a hinged door with sight window in the full protection hood.

Special seals prevent the ingress of wheel swarf and splashing water in guides and drive elements. The machines are of ergonomic design, easy to clean and requires practically no maintenance. The axes are centrally lubricated.

The RMD machines is assembled on a welded base frame. The generous dimensions and the excellent stability provided by the entire design assure a high precision and a long service life.



Technical data

Type	RMD100	RMD200	RMD500
Dimensions (LxWxH) with control unit	1400 x 1500 x 1400 mm	1620 x 1800 x 1400 mm	1800 x 1600 x 1850 mm
Height of centres	1130 mm	1130 mm	-
Weight	780 kg	1200 kg	1250 kg
Installed power	3.8 kW	5 kW	5 kW
Compressend ari connection	6 bar	6 bar	6 bar
Max. working dia.	Ø 100 mm	Ø 200 mm	Ø 520 mm
Min. working dia.	Ø 3 mm	Ø 6 mm	Ø 100 mm
Max. length of glass cylinders	100 mm	180 mm	300 mm
Diamond tool	Ø 77 – 88.5 mm	Ø 100 mm	Ø 150 mm
Tool speed	1000 – 6000 rpm	1000 – 6000 rpm	2550 – 5100 rpm
Tool drive capacity	0.55 kW	1.1 kW	1.1 kW
Tool feed travel	80 mm	120 mm	245 mm
Workpiece speed	0 – 400 rpm	0 – 400 rpm	20 – 215 rpm
Rate of speed	1 – 1000 mm/min	1 – 1000 mm/min	1 – 800 mm/min
Rapid feed rate	3000 mm/min	3000 mm/min	3000 mm/min
Feed travel	130 mm	250 mm	315 mm
Clamping pressure	1700 N / 6 bar	1700 N / 6 bar	2000 N / 5 bar

Technical alterations subject to change.