

DATRON M75



CNC milling machine M75

With a footprint of only 1,300 mm x 1,300 mm, this compact machine provides an ample work area of 520 mm x 650 mm x 240 mm. The massive granite machining table delivers both rigidity and superior surface quality. Equipped with a robust 1.2 kW HF-spindle and a 10-fold tool changer the M75 offers durability, precision, efficiency and affordability – all in one.

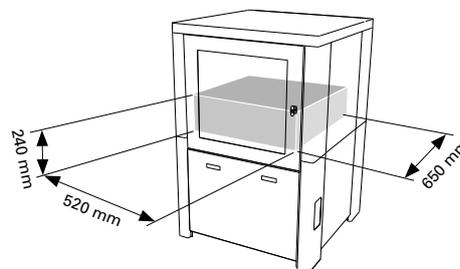
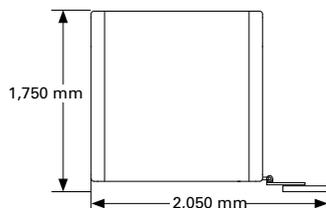
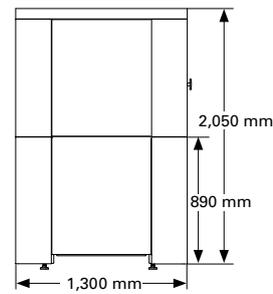
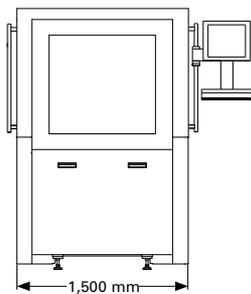
High-performance cutting up to 30,000 rpm.

- Granite machining table housed in a rugged, protective steel chassis
- Fast 3D Rapid prototyping
- 2D and 3D engraving in steel and stainless steel
- Efficient production of small aluminum parts
- High-speed machining of front panels and housings
- Minimized secondary operations with clean and burr-free parts

Delivery

- Robust machining table and enclosure featuring granite/steel construction
- Easy access protection cabin for ease of maintenance
- Powerful control for up to 6 axes
- HF spindle 1.2 kW, up to 30,000 rpm
- 10-fold automatic tool change unit with tool length sensor

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Applications for CNC milling machine M75

Efficient and economical milling, drilling and engraving of:

- Aluminum, Plastics, Ureol, Stainless Steel, Acrylic CSF and CFRP parts
- Front panels, profiles and housings
- 2D and 3D engraving in Steel, Stainless Steel, Brass, Copper etc.

Accessories (optional)

DATRON offers an extensive line of options. Check out our accessories catalogue.

- Clamping systems: manual, pneumatic, vacuum
- Electronic Z-correction with XYZ-probing
- High-speed milling tools
- CAD / CAM and 3D engraving software

Drive System	
■	Digital servo drives
Control and operation	
■	Fast digital-servo control with Microsoft® Windows® control software
■	Operating terminal and hand-held control unit
Coolant System (optional)	
■	Minimal-quantity, electronically measured, spray-mist coolant system
CAD-Interface (optional)	
■	DIN 66025 (G-Code)
■	HPGL
■	CL-Print (each optional)

Work space	
Machining area (X x Y)	520 mm x 650 mm
Machining area with tool changer	520 mm x 520 mm
Portal passage	200 mm
Z stroke	240 mm
Machine dimensions	
Machining table	Massive Granite table on a Steel frame structure with double-portal Y-drive
Footprint (W x D x H) with control unit	2,050 mm x 1,750 mm x 2,050 mm
Footprint (W x D x H) without control unit	1,500 mm x 1,300 mm x 2,050 mm
Maximum table load	120 kg
Weight	800 kg
Speeds	
Feed and rapid traverse	X = 14 m/min Y = 14 m/min Z = 8 m/min
Supply	
Voltage	230 V
Power	2.0 kW
Air connection	7–10 bar, dry, clean, oil-free
Ambient temperature	15–30 °C
Protection cabin	✓
CNC Control for 3–6 axes	✓
17" LCD Operator monitor	✓
Hand-held control unit	optional
USB Interface	✓
Ethernet Interface	✓
Tool change unit	10-fold
HF spindle	1.2 kW (up to 28,800 rpm)
Milling machine M75	0A11010A

The information in this brochure contains current descriptions or performance features which are subject to change due to further development of the products. The descriptions and performance features are binding only if they are expressly agreed in writing at the time of conclusion of the contract.