

DATRON M10 Pro

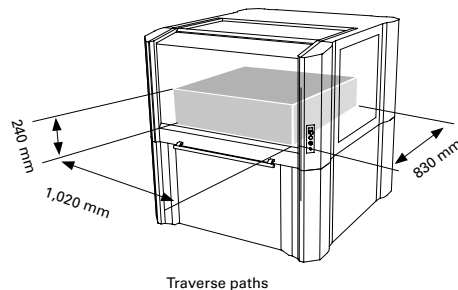
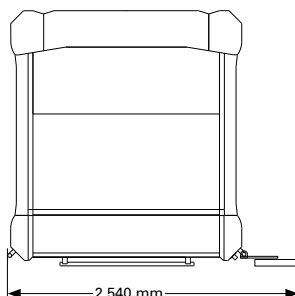
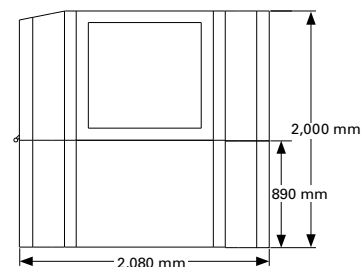
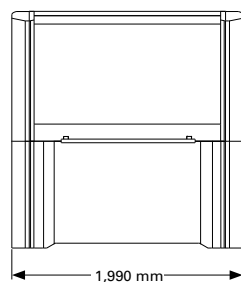
Milling machine M10 Pro

Productive – Precise – Economic

Changing batch sizes, small lot sizes, high-tech materials: With DATRON you will adapt to production tasks in a flash. Productive and economical as of lot size "1"! With a large working area of 1,020 mm x 720 mm at smallest footprint. Our 3.0 kW HF precision spindle with HSK-E 25 tool insert and speeds up to 40,000 rpm offers high cutting performances in e. g. Aluminium, Composites and Plastics.

- Solid, temperatur-stable granite table with extremely high levelness.
- 5-axis milling with rotary/swivel table for precise multi-sided machining of small pieces (optional).
- Integrated zero-point clamping system with $\pm 5 \mu\text{m}$ repeatability (optional).





Standard equipment of the M10 Pro CNC milling machine:

- Machining table made of solid Granite/Steel with a Steel protective cover
- 3D CNC control system for three to six axes
- 19" LCD monitor with Microsoft® Windows® control computer
- Network and USB interface for data exchange
- Menu-guided CNC programming software DATRON HSCpro

Drive System
<ul style="list-style-type: none"> ■ Digital servo drives ■ Precisions spindle for each axis
Control and operation
<ul style="list-style-type: none"> ■ Fast digital-servo control with Microsoft® Windows® control software ■ Operating terminal and hand-held control unit
Coolant System
<ul style="list-style-type: none"> ■ Minimal-quantity lubrication, electronically adjustable
CAD Interfaces (optional)
<ul style="list-style-type: none"> ■ DIN 66025 (G-Code) ■ HPGL ■ CL-Print (each optional)

Technical Data	M10 Pro	M10 Pro+ with encapsulated linear position measuring system in all axes
Machining table	Solid Granite table with Steel column, extremely rigid portal design with double-sided Y drive with covered guides	
Traverse path (X x Y x Z)	1,020 mm x 830 mm x 240 mm; with tool changer 720 mm in Y	
Portal passage	200 mm	
Installation dimensions without operating terminal (W x D x H)	1,990 mm x 2,080 mm x 2,000 mm	
Conical holding fixture integrated into table	✓	
Integrated zero-point clamping system	optional	
Fast digital servo control with Microsoft® Windows® control computer	✓	
Easy-to-use hand-held control unit	✓	
Drive system: Digital servo drives; ball-screw for every axis	✓	
Linear position measuring system in all axes	-	✓
Chip conveyor	optional	
Minimum quantity lubrication	✓	
Machining spindle	Precision-PowerS Syncro 3.0 kW HF spindle, up to 40,000 rpm	
Tool changer with integrated tool length sensor	11 tools with HSK-E 25 tool holding fixture (optional for 22 tools)	
Absolute accuracy	± 20 µm	± 5 µm
Repeatability	< ± 10 µm	< ± 2,5 µm
Feed	up to 30 m/min	
Positioning feed	up to 30 m/min	
Weight	approx. 2 t	
Article Number	0A01015A (with cut-out section) 0A01015B	0A01016A (with cut-out section) 0A01016B

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