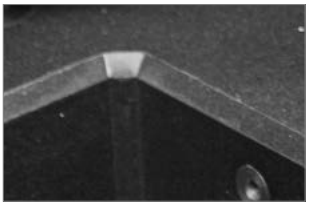
DATRON

M8Cube

The DATRON M8Cube is the best choice for efficient machining of housings, profiles and panels made of aluminium. But other nonferrous metals or composite materials can also be machined most efficiently with the M8Cube. Short setup times, very low power consumption and excellent value for money allow high cost-effectiveness, even at low volumes.

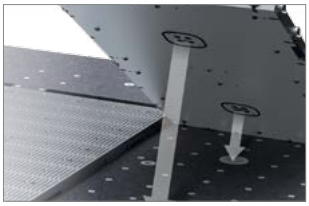
Highlights



Solid, temperature-stable **polymer table** with very high flatness

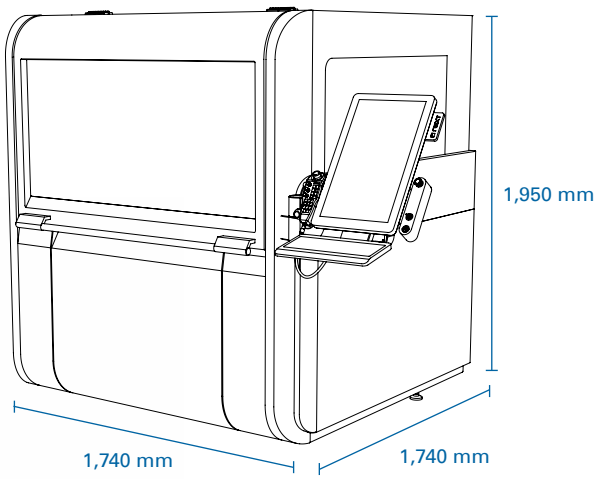
Precision spindle with a concentricity better 2 µm and HSK-E 25 tool holding fixture.

Smart control: With DATRON next, you can easily and intuitively operate the high-speed milling machine by means of swiping gestures.



The electrically switchable vacuum technology allows a very flexible and cost-efficient operation due to very short setup times (connected immediately after setup).

Technical Data



FULL TABLE

- Machining area

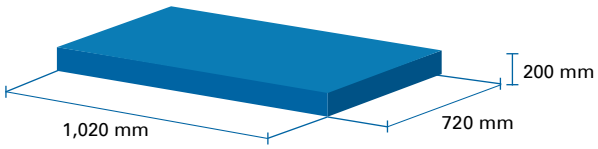
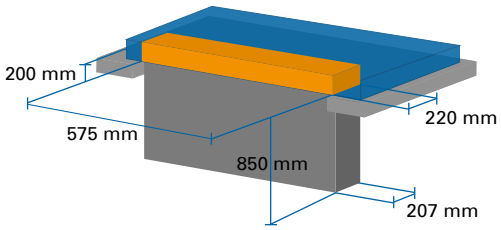


TABLE WITH CUT-OUT

- Table
- Machining area on the table
- Machining area within the vertical clamping area
- Maximum workpiece size within the vertical clamping area



More information:

	DATRON M8Cube
Machine table	Solid Polymer concrete table with steel frame, 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 245 mm; with tool changer 720 mm in Y
Portal passage	200 mm
Installation dimensions without operating terminal (W x D x H)	1,740 mm x 1,740 mm x 1,950 mm
Conical holding fixture integrated into the table	✓
DATRON HSC Pro control or DATRON next	✓
Easy-to-use hand-held control unit	✓
Drive system: Brushless servo motors with absolute encoders; ball-screw spindle for each axis	✓
Minimum quantity cooling/lubricating system	✓
Machining spindle	High-frequency spindles from 0.6 kW to 4.0 kW with up to 60,000 rpm, direct shank or HSK-E 25
Tool changer with integrated tool length sensor	5-fold tool changer with HSK-E 25 (optional 24-fold) 15-fold with direct shank (optional 30-fold)
Feed	up to 22 m/min
Positioning feed	up to 22 m/min
Weight	approx. 1.300 kg