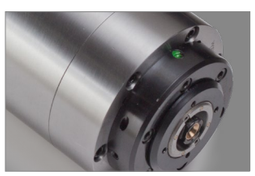
DATRON

MXCube

With the DATRON MXCube we present the premium class of our high-speed portal machines. Its rigid structure, maximum dynamics and a powerful high-frequency spindle are ideal for modern HSC strategies and a high machining volume with an outstanding surface finish. The completely redesigned machine with optimised chip concept offers a wide range of functionalities for operation in an industrial environment.

Highlights

Reliable **minimum-quantity cooling lubrication completely free from residues** during the machining process.

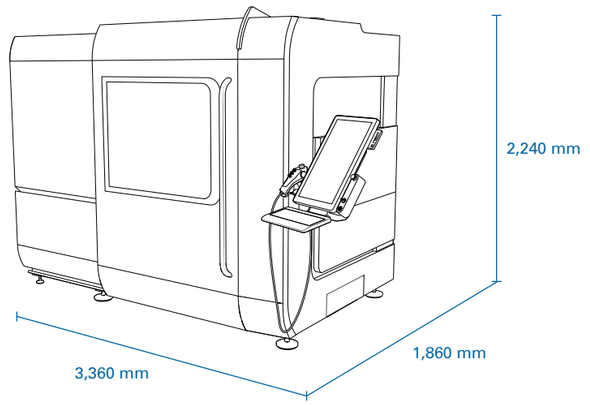


The vector-controlled **8 kW synchronous high-frequency spindle** with HSK-E32 provides a high machining volume over time.

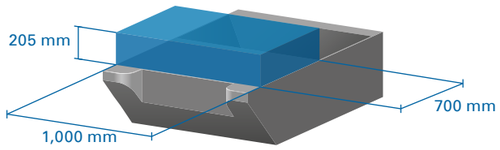
DATRON 3D probe
Precise measurements and robust behavior for improved workpiece quality.

Steep angles on all sloping surfaces and a chip conveyor ensure **optimal chip removal.**

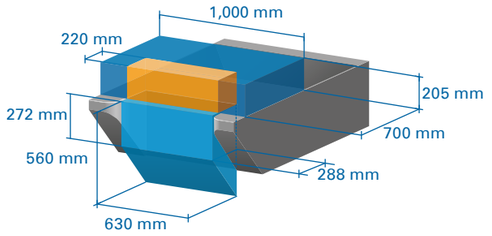
Technical Data



Full table
- Working area



Cut-out table
- Machining area on the table
- Working area
- Working area in the vertical clamping area
- Max. space in the vertical clamping area



Use QR code for more information

www.datron.de/prdct-mxcube

	DATRON MXCube 4 kW	DATRON MXCube 8 kW
Traverse path (X x Y x Z)	1,040 mm x 850 mm x 270 mm	
Working area (X x Y x Z)	1,000 mm x 700 mm x 205 mm (Z = portal passage)	
Machining spindle	4.0 kW HF spindle up to 40,000 rpm; HSK E-25	8.0 kW HF spindle up to 34,000 rpm; HSK E-32
Tool magazine	DATRON ToolAssist 60 or 143 stations	DATRON ToolAssist 60 or 110 stations
Machining table	Mineral-cast machine bed; integrated conical thread; full or cut-out table	
Control system/software	DATRON next	
Operating terminal	24″ multi-touch screen with user-friendly hand-held control unit	
Component measurement	DATRON 3D probe (optional)	
Rotary axis	DATRON Axis4; DST (optional)	
Minimum-quantity cooling lubrication system	10 liters or 2x 10 liters coolant tank; 4-nozzles spray ring	
Linear absolute encoders	All axes	
Positioning feed	Up to 40 m/min	
Feed	Up to 40 m/min	
Installation dimensions with operating terminal (W x D x H)	3,360 mm x 1,860 mm x 2,240 mm	
Installation dimensions without operating terminal (W x D x H)	2,700 mm x 1,860 mm x 2,240 mm	
Weight	ca. 3,800 kg	