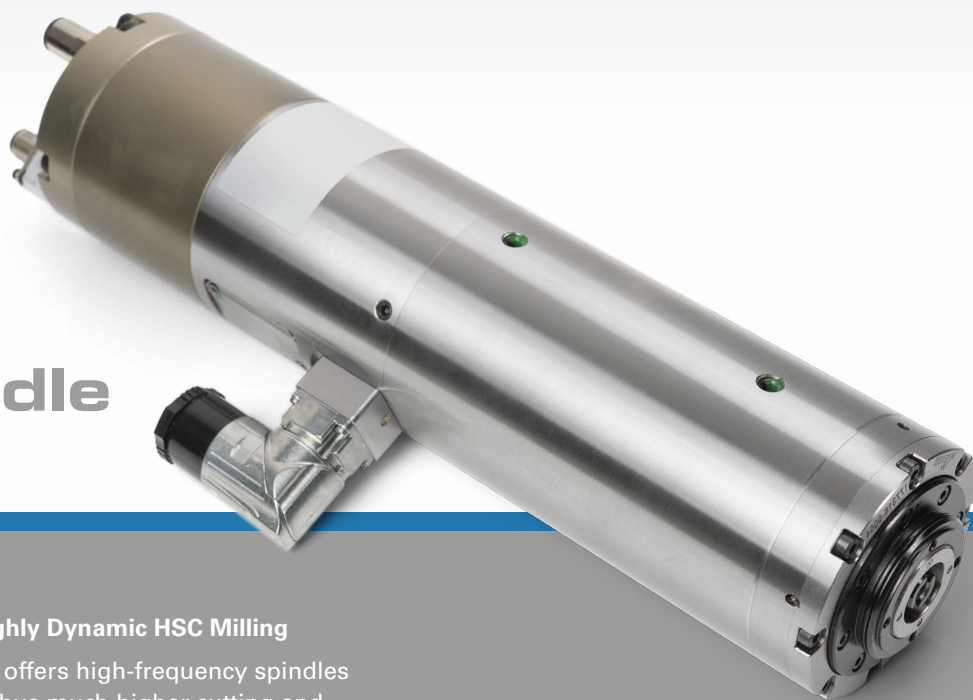


# Technical Data

Retrofittable for DATRON M8Cube and MLCube

## DATRON 4 kW Spindle



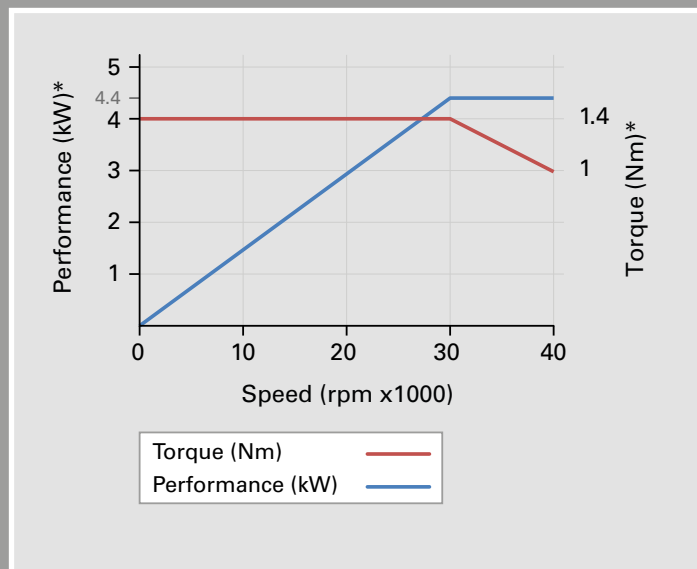
### DATRON 4 kW Power Spindle for Highly Dynamic HSC Milling

For high-speed machining, DATRON offers high-frequency spindles for extremely high tool speeds and thus much higher cutting and feed speeds.

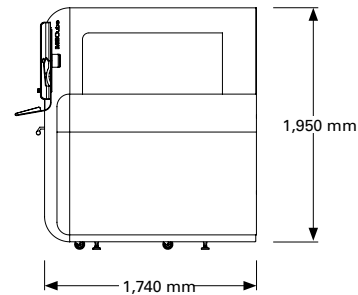
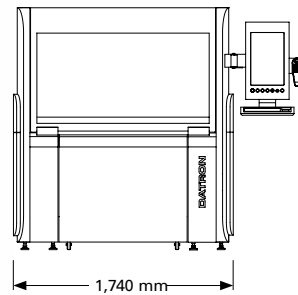
In conjunction with the powerful and precise DATRON M8Cube and MLCube, this provides you with new and unmatched solutions for different production requirements.

Technical data*	DATRON HSK-E 25 4 kW Spindle
Interface	HSK-E 25
Maximum speed	40,000 rpm
Nominal speed	30,000 rpm
Nominal power	4.4 kW*
Nominal torque	1.4 Nm*
Motor type	Synchron
Centering diameter	80 mm
Total length	332 mm

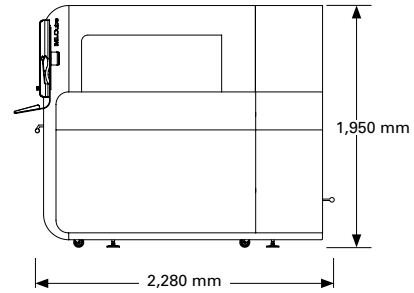
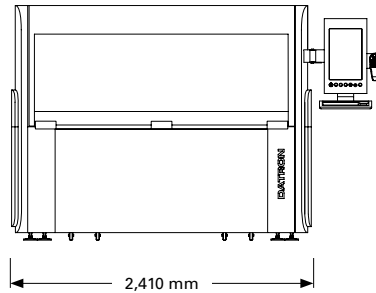
\* Maximum spindle performance. The power output of the inverter may be lower due to technical/technological reasons.



## DATRON M8Cube



## DATRON MLCube



Technical Data	DATRON M8Cube	DATRON MLCube
Machining table	Solid polymer concrete table with steel column, extremely rigid portal design with double-sided Y drive with covered guides	Solid polymer concrete 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 245 mm; with tool changer 720 mm in Y	1,520 mm x 1,150 mm x 245 mm; with tool changer 1,020 mm in Y
Portal passage	200 mm	200 mm
Installation dimensions without operating terminal (W x D x H)	1,740 mm x 1,740 mm x 1,950 mm	2,410 mm x 2,280 mm x 1,950 mm
Conical holding fixture integrated into table	✓	✓
Fast digital servo control with Microsoft® Windows® control computer	✓	✓
Easy-to-use hand-held control unit	✓	✓
Drive system: Brushless servo drives; ball screw for every axis	✓	✓
Minimal quantity lubrication	✓	✓
Machining spindle	Precision high-frequency spindles from 0.6 to 4.0 kW with up to 60,000 rpm	Precision high-frequency spindles from 0.6 to 4.0 kW with up to 60,000 rpm
Tool changer with integrated tool length sensor	5-fold tool changer with HSK-E 25 (optional, up to 24-fold) 15-fold tool changer with direct shank (optional, up to 30-fold)	5-fold tool changer with HSK-E 25 (optional, up to 36-fold) 15-fold tool changer with direct shank (optional, up to 45-fold)
Feed	up to 22 m/min	up to 22 m/min
Positioning feed	up to 22 m/min	up to 22 m/min
Weight	approx. 1,300 kg	approx. 2,500 kg

The information in this brochure includes 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 upon in writing at the time of contract.