

Large-format. Efficient.

DATRON

# MLCube/MLCube LS

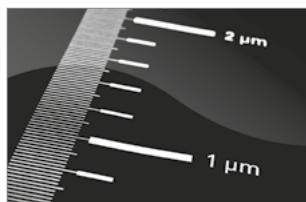
The DATRON MLCube is the best choice for cost-effective sheet machining, for example, for the production of front panels, housings, profiles and other aluminium workpieces milled in nested form. Other non-ferrous metals or composite materials can also be processed most efficiently with the MLCube. Its short setup times and its ability to use different clamping techniques simultaneously, its very low power consumption and its excellent price-performance ratio – even for low production volumes – provide long-term and extremely high profitability.



## Highlights



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



Optional **linear position measuring system**

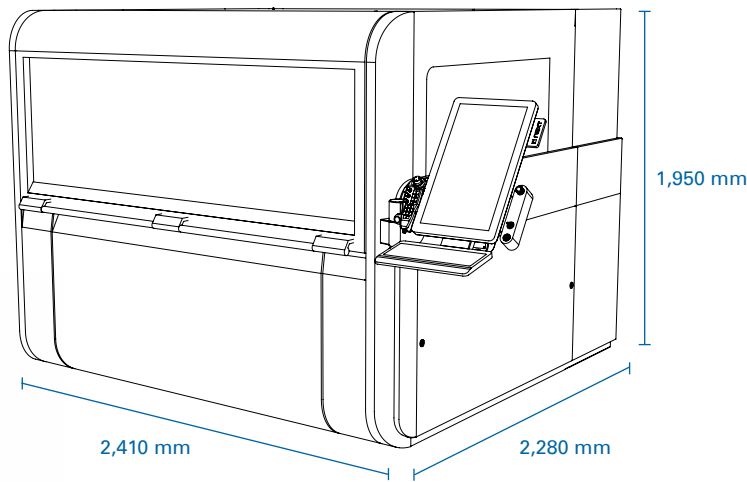


**Precision spindle** with a concentricity better than 2 µm and HSK-E 25 tool holding fixture (optional).

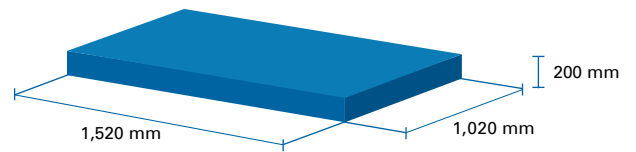


**Large machining area**, ideal for milling circuit board panels

# Technical Data

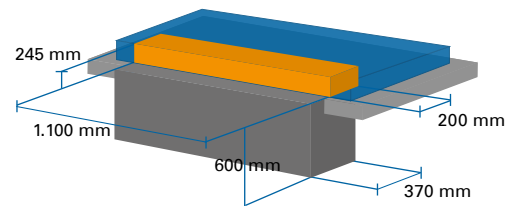


## FULL TABLE Machining area



## 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 MLCube	DATRON MLCube LS
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)	1,520 mm x 1,150 mm x 245 mm; with tool changer 1,020 mm in Y	
Portal passage	200 mm	
Installation dimensions without operating terminal (W x D x H)	2,410 mm x 2,280 mm x 1,950 mm	
Conical holding fixture integrated into the table		✓
DATRON HSCPro 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		✓
Linear measuring system x / y		✓
Minimum quantity cooling/lubricating system		✓
Machining spindle	High-frequency spindles 0.6kW and 4,0kW 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 (up to 36-fold) 15-fold tool changer with direct shank (up to 45-fold)	
Feed	up to 22 m/min	
Positioning feed	up to 22 m/min	
Weight	approx. 2,500 kg	