

DATRON C5

The DATRON C5 is a powerful small-footprint CNC milling solution that was specifically designed for the 5-axis machining of small parts. Powerful servo and torque motors ensure high dynamics and speed and facilitate extremely precise machining results.



DATRON D5
Dental CAD/CAM milling machine
for 5-axis simultaneous machining of all
common denture materials.
Further information www.dentalcam.com

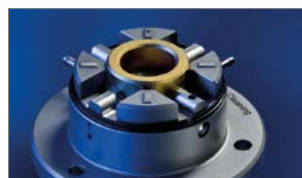
Highlights



Ultra compact, solid, precise. No other high-tech 5-axis milling machine of this class takes up so little space.



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

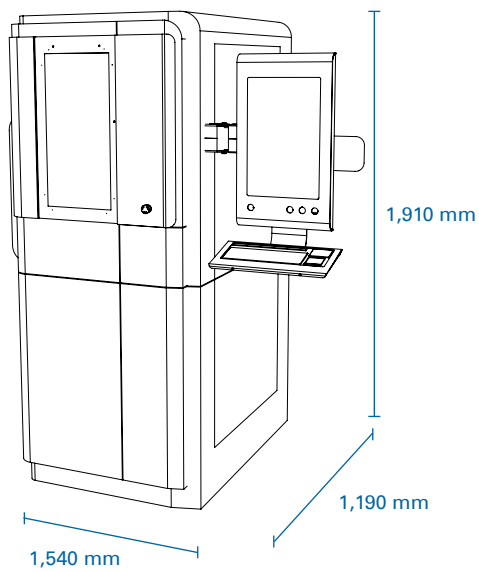


Integrated zero-point clamping systems with up to ± 2 µm repeatability such as: Zero Clamp, µ-PrisFix, Poly-grip for Erowa ITS 50 and 3R Macro, Defo Grip for work-piece direct clamping (optional).



Optional with automated pick-and-place, the ideal solution for low-labour operation. Optimised material flow with swivelling automation cell.

Technical Data



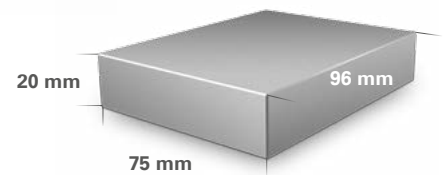
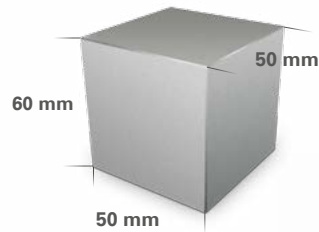
More information:



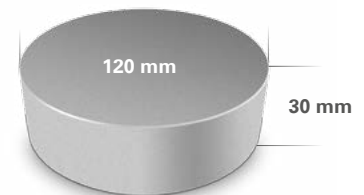
EXAMPLES

of workpiece sizes:

Cubic components



Cylindrical components



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Traverse path (X x Y x Z)	153 mm x 100 mm x 100 mm	
Workpiece sizes (Examples)	Cylindrical: Diameter 60 mm, height 60 mm Diameter 100 mm, height 30 mm	Cubic (X x Y x Z): 96 mm x 75 mm x 20 mm 50 mm x 50 mm x 60 mm
Tool length	75 mm (from HSK face contact)	
Machine construction	Solid cast steel frame, 4th/5th axis made of cast aluminium	
Installation dimensions without operating terminal (W x D x H)	940 mm x 1,190 mm x 1,910 mm	
Weight	approx. 900 kg	
Machine housing	Compact cabin with easy access for comfortable maintenance	
DATRON HSCPro control		✓
Minimum quantity cooling/lubricating system		✓
Integrated zero-point clamping system		✓
Linear positioning measuring system on all axes		✓
Tool changer	22-fold with tool length sensor	
Feed/ Positioning feed	up to 8 m/min, 21 min ⁻¹	
Machining spindle	1.8 kW, up to 48,000 rpm with HSK-E 25 tool holder	