

XD 180



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DETAIL MACHINE



DESCRIPTION

Fully automatic CNC, 5-axis simultaneous machining, wet or dry, for high-precision milling results on dental components in different material as CoCr/ NEM, titanium, zirconium dioxide, aluminium oxide, PMMA, plastics, composites, wax, glass ceramics, hybrid ceramics.

XD 180 is friendly to manage and workmanships are characterised by an excellent standard of quality and accuracy. The work cycle is checked and managed by the machine CNC. Insertion data on computer by standard ISO code.

TECHNICAL FEATURES

NC	NUM Flexium
Motors	brushless with absolute encoder
Axis travel X, Y, Z	100x100x100 mm
Rapid traverse	30 mt/min
Cutting feed	0-20.000 mm/min
Resolution	0,001 mm
Repeatability	0,005 mm
Rotary axis A, C	A=+-110° C=360°continuous

Tool changer

Automatic tool changing	10 posti utensile fissi
Max diameter tool	Ø 8mm
Max tool weight	0,5 kg
Max tool lenght	50 mm

Electronic spindle

Power	3Kw
Max speed	40.000 RPM (opt.50.000 RPM)
Max torque	1,1 Nm
Tool coupling	HSK-25

External dimensions

Height	1.550 mm
Footprint	960 x 800 mm
Levelling	adjustable feet
Gross weight	460 kg

Supply

Electrical supply	220V singlephase
Air supply	7 bar

Options

Mixed air-oil spraying unit
Closed circuit for wet working
Automatic tool presetting
Postprocessor for CAM

XD 180 can be handle also by CAM 5 Axis for CNC complete of license and installation(not included). XD 180 is equipped with automatic tool changer for 10 tools and electronic spindle HSK-25 (32.000 rpm) liquid cooled Switching is automatic.

Work cycle performed in closed environment, in order to allow the recovery of workmanship residues .
Optionals: measurement and probing system, minimal spray lubrication, others on demand.