

COBRA 6XD[®] & PICAM[®]

5 Axes Milling Machine



High quality
at reasonable price



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5 Axes Milling Machine



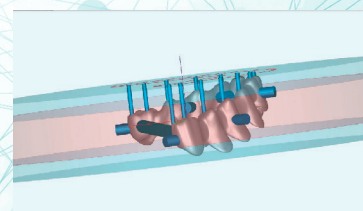
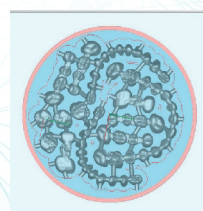
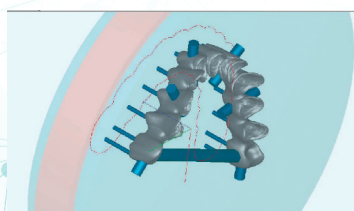
TECHNICAL SPECIFICATIONS

Milling types	wet and dry processing
Dry machinable materials	Zirconium, PMMA, Wax, Composite, Gypsum
Wet machinable materials	titanium, CoCr cobalt-chromium, Glass-ceramics and lithium disilicate
Blocks clamping possibilities	open type (Ø98,5 with shoulder); multi-block abutment system
Exchange of workpieces	manual exchange of blanks
Control of axes	5 axes - simultaneous
Control system	High-end CNC control system with built-in computer
User interface	Touch screen 8"
Real accuracy	<0.01 mm
Positioning of 4 th and 5 th axes	high accuracy harmonic gears
Movement of X-Y-Z axis	high precision ball-screws and linear guides via encoder based servo control and microstep motors (encoder control 0.001mm/revolution)
Tilt angle of "A" axis	+/- 30°
Angle of rotation for "B" axis	360°
Tool magazine	up to 30 tools in 5 interchangeable magazine (6 tools / magazine)
Milling spindle	High Frequency spindle (500W; 60000 RPM; hybrid ceramic ball bearings; automatic tool change)
Collet chuck	Ø3 or Ø4 mm
Compressed air requirements	by separate air compressor: clean, dry, 6 bar, max. 50 l/min
Dust extraction	by separate vacuum cleaner
Cooling	by separate tank and pump through two coolant port
Dimensions (W x H x D)	578 x 681 x 674
Weight	85 kg
Mains voltage and frequency	230 V, 50/60 Hz
Maximum power consumption	600 W (+ vacuum cleaner ~1500 W)

PiCAM® self developed in-house cam software

- 100% in-house development
- Fully open, stl-based system
- Can accept data from any CAD software type
- Maximally utilized disks
- Material-saving design process
- Ergonomic, simple use
- For bridges with large span, with "Drops" and "FullBridgeConnector" functions
- Holders can be thinned, milled off
- Model-unifying function even for works coming from different systems
- Model to model fixing option using the "Connector" function
- Fast generation process
- Simulation option

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