

5 Axis CAD/CAM Milling Machine

Model: 5Z Pro



PROFESSIONAL DENTAL MEDICAL EQUIPMENT

The high-efficiency cutting of the dental engraving machine is also due to the advanced materials and manufacturing processes it uses. These materials and processes ensure the stability and durability of the spindle under long-term high-speed operation, thereby ensuring the stability and continuity of the cutting process.



High precision

Ensure micron-level engraving accuracy to improve surgical outcomes and patient satisfaction



Intelligent early warning

Through early warning reminders, equipment failures can be discovered and handled in time to avoid production accidents



Efficient cutting

The maximum speed of 6000rpm enables efficient cutting and greatly improves processing efficiency



Aesthetics

Achieve fine restoration and beautification of teeth, making the restored teeth more natural and beautiful



PRODUCT PERFORMANCE



5Z PRO Specifications

Five-axis Linkage
Cutting Equipment

Axis	5 Axis	Maximum idle speed	15m/min
Milling Mode	Dry	Maximum cutting speed	10m/min
Spindle Power	AC 0.5kw	Machine Size(W*D*H)	580*700*755mm
Max.RPM	60.000	Weight	About 160kg
Positioning Accuracy	0.01mm	Travel A axis	+30°~ -120°
Repeat Positioning Accuracy	0.005mm	B axis	±360°
Motor	Servo	Voltage/Current	AC 220V/50HZ
Fixture	C-type	Tools	6 Piece



90° vertical processing



Insufficient air pressure warning



Toolless detection



Spindle overheating and overload alarm



Tool life management



Interconnected remote control



Built-in window system



Breakpoint continuation processing

5Z PRO 雕刻机设备参数表

Engraving Machine Equipment Parameter Comparison Table

✓ 能 Enable
× 不能 Disable

	Model 型号	5Z pro
机床参数 Machine Parameter	轴数 Axis Quantity	5 轴 / 5 Axis
	电机 Motor	伺服电机 AC Servo
	主轴 Spindle	0.5KW
	主轴冷却 Spindle Cool	风冷 Air Cool
	工件冷却 Workpiece Cool	吸尘 Vacuuming
	刀库 Tool Library	6
	功率 Power	1.5KW
	重量 Weight	160KG
	体积 (长 + 宽 * 高) Volume(L*W*H)	580mm*700mm*755mm
	定位精度 Positioning Accuracy	0.01mm
	重复定位精度 Repeat Positioning Accuracy	0.005mm
	A 轴转动角度 A-axis Rotation Angle	+30° - 1200°
	B 轴转动角度 B-Axis Rotation Angle	±360°
加工材料 Machinable Material	氧化锆 Zirconia	✓
	蜡 Wax	✓
	树脂 PMMA	✓
	玻璃陶瓷 Glass Ceramics	×
	代木 Replacement Wood	✓
	PEEK	✓
	钛柱 Titanium Column	×
钴铬 Cobalt Chromium	×	
加工产品 Machinable Products	内冠 Coping	✓
	内冠桥 Coping Bridge	✓
	全冠 Crown	✓
	全冠桥 Crown Bridge	✓
	套筒冠 Telescope	✓
	嵌体 Inlay	✓
	氧化锆贴面 Veneer	✓
	桩核 Onlay	✓
	氧化锆基台 Hybrid	✓
	氧化锆种植连桥 Zirconia Implant Bridge	✓
	氧化锆种植杆卡 Zirconia Implant Bar	✓
	氧化锆种植马龙桥 Zirconia Implant Malone Bridge	✓
	牙模 Model	×
	蜡型钢托 Wax RPD Framework	×
	全口义齿 All Oral dental	✓
正基牙套 Orthodontic braces	✓	
手术导板 Guida Chirurgica	✓	



Zirconia



PMMA



PEEK



Titanium



Cobalt Chrome