

TECHNICAL SPECIFICATIONS

Number of axis	5 axis (X/Y/Z/A/Z)	
Platform	Aviation cast aluminum	
Machine size	520×685×735 (mm)	
Machine weight	130kg	
Milling mode	Dry	
Number of tools	8	
Dust proof	Integrated silicone	
Fixture	Secondary fixture/98 Disc(Optional)/Block type(Optional)	
Processing thickness	10-35mm	
Processable material	Zirconia,PMMA,Wax,PEEK,HPP,Soft Metal	
Processing type	Crown, Bridge, Veneer, Inlay, Abutment, Screw-retained Bridge, Complete denture (optional)	
CAM software	Open CAM System	
Stroke	A axis: +135°, -30° B axis:360°	
90°buccal side milling	✓	
Spindle	Type	Electric spindle
	Power	500W
	Speed	60000rpm
	Collet size	Ø4mm
Air Pressure	≥0.2Mpa	
Machining time	Crown (coping) <10min, Bridge<3h	

Aidite

AMD-500E Pro
Dental Milling Machine

Efficient and Stable | Electric spindle
New digital intelligent system



Aidite

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Everyone with a healthy and beautiful smile

AMD-500E PRO 5 AXIS DIGITAL MILLING MACHINE

Aidite AMD-500E Pro 5 axis dental milling machine is mainly used for CAD/CAM processing of dental materials such as zirconia, PMMA, composite materials etc. It features stable structural performance, an integrated silicone dustproof design. It is also easy to operate and can realize 90° vertical milling. The secondary fixture design improves material utilization. It also has functions such as smart alerts, bringing you an ideal digital processing solution.



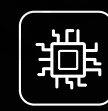
High-efficiency and stable processing

- 0.3mm refinement processing, natural tooth morphology.



Electric spindle

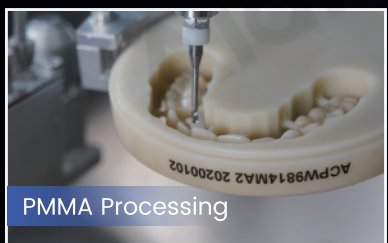
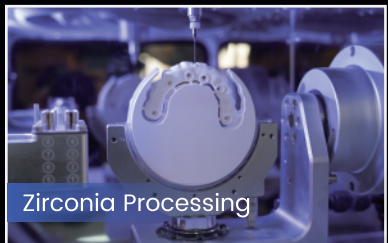
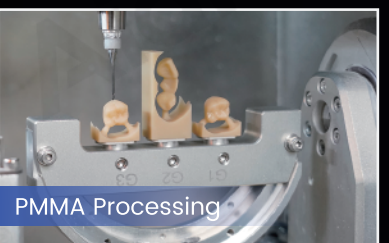
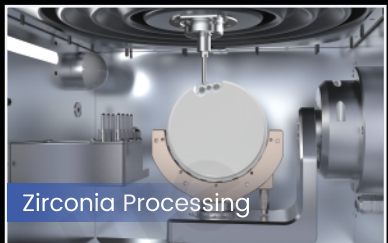
- Lower operating environment requirements



New digital Intelligent system

- Processing data statistics
- Multi-data import queue processing

MACHINABLE APPLICATION



One-piece aerospace cast aluminum

- Stable and durable body framework
- Efficient operation
- Reliable processing effect



Multiple fixture, fast switch

- Combined with secondary fixture, improving material utilizing rate
- 98mm Disc fixture (optional)
- Block fixture (optional)



New digital Intelligent system

- The new UI and the use of logic are easy to operate
- Support multi-file import
- Support automation interface
- Intelligent management of tool life



Exquisite processing of anterior teeth

- Rotational axis: A axis: +135°, -30°
B axis: 360°
- 90° vertical processing on anterior teeth and buccal side



Rotational axis harmonic drive

- Using high-precision, wide torque harmonic drive
- Ensure the stability and precision of machining



Spindle

- The highest speed 60000rpm
- Tools diameter: 2.0mm/1.0mm/1.5mm/0.6mm/0.3mm
- Shank diameter: 4.0mm
- Electric spindle: efficient and stable