

TECHNICAL SPECIFICATIONS

Platform	Aviation cast aluminum
Equipment size	520X685X757mm
Processing method	Dry milling
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
Processable type	Single Crown, Bridge, Veneer, Inlay, Abutment, Screw-retained Bridge, Complete denture (optional)
CAM software	Open CAM System
Processable angle	A Axis: +135°, -30° B Axis:360°
90°buccal side milling	✓
Spindle	Electric spindle
	Max:60000RPM
	500W 4mm Collet
Air Pressure	≥0.2Mpa
Machining time	Single Crown<10min, Bridge<3h

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 Material Etc. It features stable structural performance, an integrated silicone dust-proof 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 automatic calibration and smart alerts, bringing you an ideal digital processing solution.



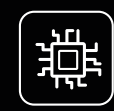
High-efficiency and stable processing

- Single crown processing time: Only 8 minutes.
- 0.3mm refinement processing, natural tooth morphology.



Electric spindle

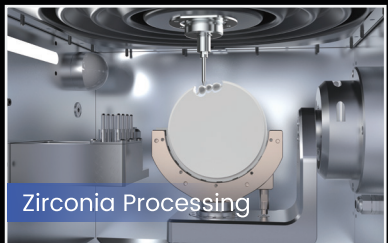
- Lower operating environment requirements



New digital Intelligent system

- Processing data statistics
- Multi-data import queue processing

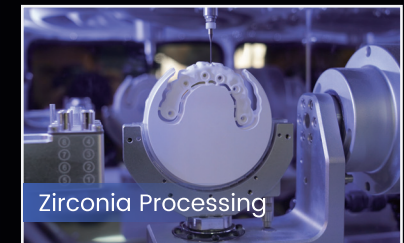
# MACHINABLE APPLICATION



Zirconia Processing



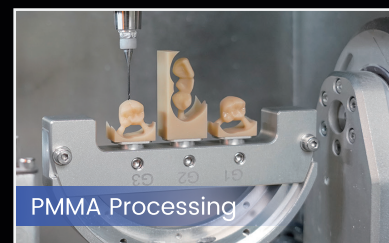
Zirconia Processing



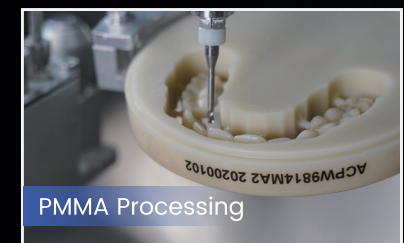
Zirconia Processing



Zirconia Processing



PMMA Processing



PMMA Processing



All-in-one air cast aluminium platform

- 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 docking
- 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: 4mm
- Electric spindle: efficient and stable