

AMD-500E Pro Dental Milling Machine

Efficient and Stable | Electric spindle
New digital intelligent system



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 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



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)

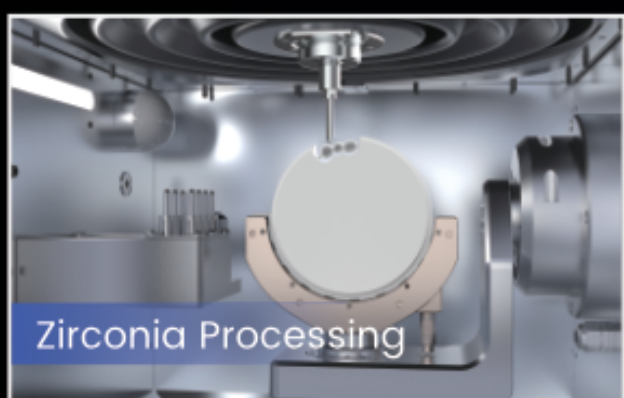


New digital Intelligent system

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



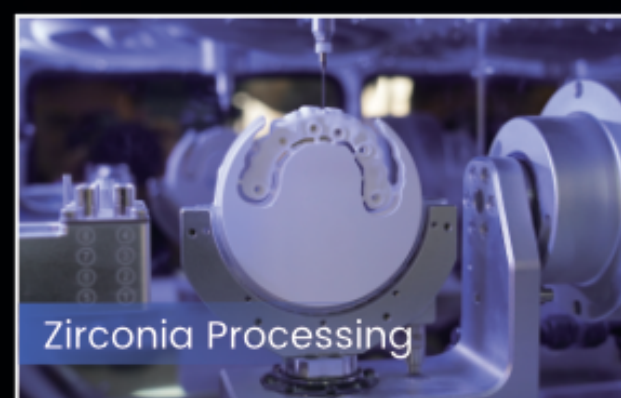
MACHINABLE APPLICATION



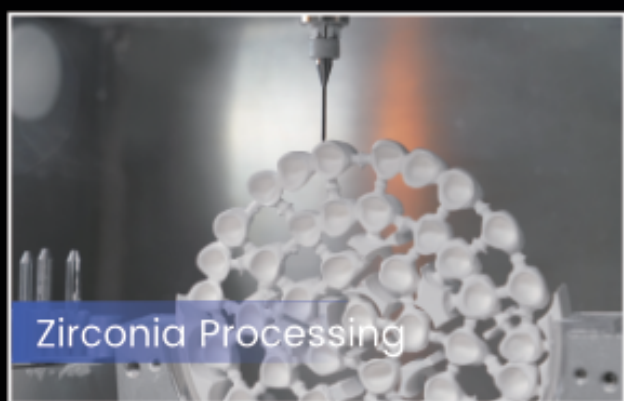
Zirconia Processing



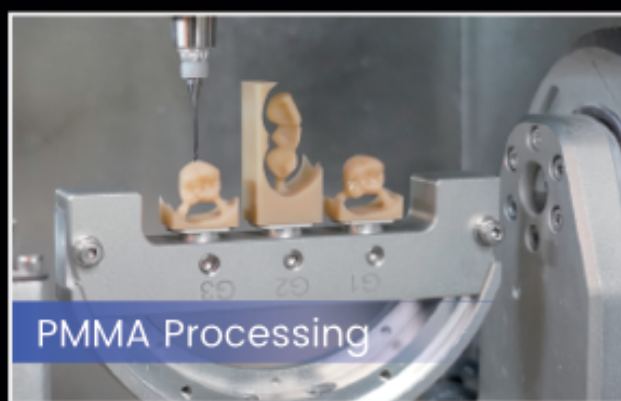
Zirconia Processing



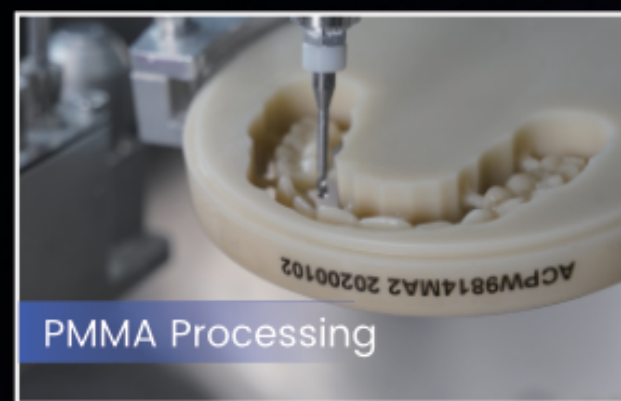
Zirconia Processing



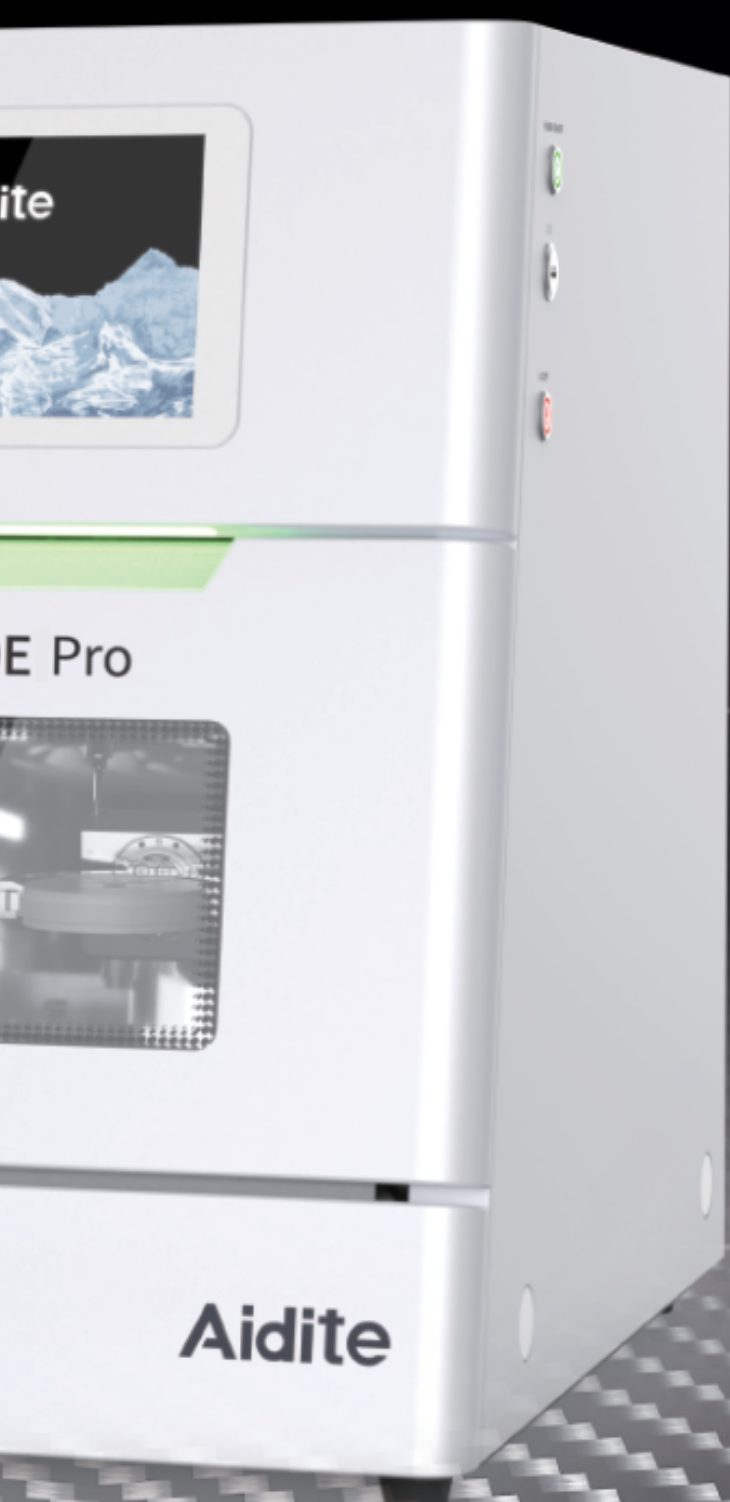
Zirconia Processing



PMMA Processing



PMMA Processing



Exquisite processing of anterior teeth

- Rotational axis: A AXIS: $+135^{\circ}$, -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

TECHNICAL SPECIFICATIONS

Platform	Aviation cast aluminum
Equipment size	520X685X735mm
weight	130kg
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 (coping) <10min, Bridge<3h



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