

Aidite[®]
AMD-500E

AMD-500E

Efficient and stable | Automatic calibration | Intelligent reminder
All-in-one silica dust-proof design



Aidite[®]

Aidite (Qinhuangdao) Technology Co.,Ltd.

Tel : 0086-335-8587898

Fax: 0086-335-8587198

Email: info@aidite.com

CFDA ISO13485 CE0197 FDAK111291

AMD-500E 5 axis digital milling machine

Aidite AMD-500E 5 axis dental milling machine is mainly used for CAD/CAM processing of dental materials such as Zirconia, Pmma, Composite Material Etc. AMD-500E is easy to operate, and reliable in performance. It has All-in-one silica dust - proof design, and enable to do 90° vertical processing. Moreover, AMD-500E is equipped with 1/2 open fixture and plastic secondary fixture, which is effectively improving the material layout utilization, the functions like automatic calibration and smart alert brings you the ideal dental material processing solution.



Platform	Aviation cast aluminum
Equipment size	520*650*720mm
Weight	120kg
Processing method	Dry mill
Number of tools	8
Dust proof	Integrated silicone
Fixture	Secondary fixture/98 disk(Optional)/Block type(Optional)
Processing thickness	10-35mm
Millable material	Zirconia,PMMA,WAX,PEEK,HPP,Soft Metal
Machining type	Single Crown,Bridge,Veneer,Inlay,Abutment, Full Contour Screw Retained Bridge
CAM software	Open CAM System
Machining angle	A Axis: +135°, -30° B Axis:360°
90° buccal side machining	✓
Spindle	Air Cooling Max:60000RPM 500W 4mm Chuck
Air Pressure	≥6Bar
Machining time	Full Crown <15min, Bridge<3h

Detail Effect



Multiple Fixture, Fast Switch

- Combined with Secondary Fixture, Improving Material Utilizing Rate
- 98mm Disk Fixture, (optional)
- Block Fixture (optional)



All-in-one air cast aluminium platform

- Body framework stable and durable
- Operation efficient
- Processing effect reliable



Modular Structure Design

- Platformization assembly, High precision
- Easy operation and routine maintenance
- Extend the usage life of equipment



Dust cover made by one-piece silicone

- Prevents dust from getting inside the machine
- Ensure high speed & accuracy, steady operation



Spindle

- The highest speed 60000RPM
- Tools diameter : 2.0mm/1.0mm/1.5mm/0.6mm/0.3mm
- Shank diameter : 4mm



Tool life management Function

- Real-time recording cutterlife
- Smart Alert for tool change
- 8 tools storehouse, meet production needs



Rotational axis harmonic drive

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



Large Angle/90° Processing

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