

Aidite  
AMD-500S

# AMD-500S

Efficient and stable operation | High-precision processing effect  
Sealed and dust-proof / Intelligent reminder



## Aidite

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# AMD-500S Five-axis milling machine

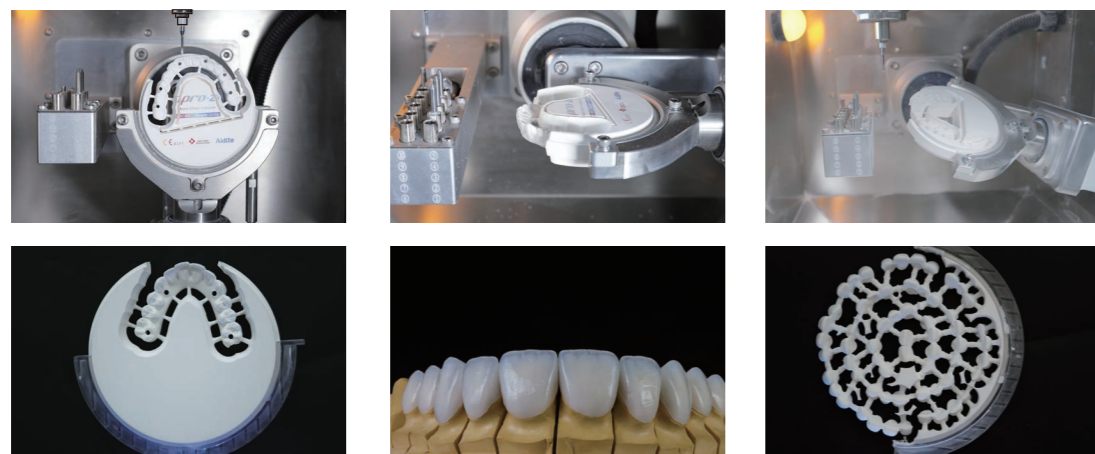
Aidite AMD-500S is a high-precision, high-efficiency five-axis dry milling machine with stable operation, powerful functions and easy operation. 90° vertical processing, intelligent maintenance reminder, safety door function, integrated silicone seal and dust-proof design, bring you the most ideal processing solution.



Platform	Aviation Aluminum Casting Structure
Size	590x730x820mm
Weight	180kg
Number of axes	5-axis Linkage Zirconia Milling Machine
Processing type	Single Crown, Bridges, Veneers, Inlays, Abutments, Screw-retained Crowns, Screw-retained Bridges (Implantation Needs To Add A Separate Nesting Module)
Processing methods	Dry Milling
Processing material	Zirconia, PMMA, Wax, And Other Dry-milling Dental Soft Materials
Processing material thickness	10-30mm
Repeatability	± 5μm
Linear drive system	Linear Guide And Screw
Rotary drive system	Harmonic Reducer
Control System	Embedded Cnc System And AC Bus Servo Motor
Automatic tool change quantity	10 Pieces
90° buccal processing	Support
Safety door	Support
Travel	XYZ Axis: 180x110x100(mm) BA Axis: B: +30°, -90°; A: ±360°
Spindle	Power Consumption: AC 1500W Water Cooling Speed: 6000rpm Chuck Size: Φ4 Mm
Power supply	Single-phase AC 220V 50/60hz Voltage
Power consumption	1.6kw 8A
Pressure	6bar

## Detail Effect

vertical processing function can realize the can realize the best 3 dimensional effects in the area, and the C-shaped fixture design increases the utilization rate of materials.



### Machine Maintenance Tips

- Intelligent reminder of equipment maintenance cycle and maintenance time



### Safety Door

- When the door is opened in the running state, the device will automatically stop working. Ensure safe operation of equipment



### Aviation Aluminum Casting Platform

- Stable structure
- Running smoothly



### Automatic calibration

- Intelligent automatic calibration system
- Automatic correction of equipment accuracy



### Tool Life Management

- Real-time recording of tool life
- Smart reminder to change tools
- Bur diameter: 2.0 1.0 0.6 1.5 0.3mm

## Detail Effect



### High precision lead screw

- Accurate and more stable control, better tooth surface effect



### Modular structure design

- Efficient and easy to maintain



### Harmonic drive

- Harmonic drive to ensure high precision of milling machine



### One-piece Silicone Dust-proof

- Effectively prevent dust from entering the interior of the equipment
- Ensure efficient and stable operation of equipment



### Status indication tri-color light

- Three colors distinguish the working status, making it easier to observe the operation of the equipment



### Spindle

- Maximum speed: 6000RPM
- Shank diameter: 4mm
- Power consumption: AC 1500W



### Large Angle Processing/ 90° Processing

- XYZ Axis: 180x110x100(mm)
- BA Axis: B: +30°, -90°; A: ±360°
- Realize 90° vertical processing on the buccal side of the anterior teeth