

TECHNICAL PARAMETERS

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	10-35mm
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°, A: ±361°
Spindle	Power consumption: ac 1800w Water cooling Speed: 60000rpm Chuck size: φ6 mm
Power supply	Single-phase ac 220v 50/60hz voltage
Power consumption	2KW 10A
Pressure	6Bar

AMD-500S Pro

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



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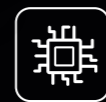
AMD-500S PRO FIVE-AXIS MILLING MACHINE

Aidite AMD-500S Pro 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.



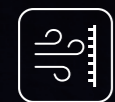
Safety door

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



Modular structure design

Efficient and easy to maintain



One-piece silicone dust-proof

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



High precision lead screw

Accurate and more stable control,
better tooth surface effect

MACHINABLE APPLICATION



Aviation aluminum casting platform

- Stable structure
- Running smoothly



Large angle processing/90° processing

- XYZ Axis: 180x110x100 (mm)
- BA Axis: B: ±30°, A: ±361°
- Realize 90° vertical processing on the buccal side of the anterior teeth



Automatic calibration

- Intelligent automatic calibration system
- Automatic correction of equipment accuracy



Harmonic drive

- Harmonic drive to ensure high precision of milling machine



Machine maintenance tips

- Intelligent reminder of equipment maintenance cycle and maintenance time



Status indication tri-color light

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



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



Spindle

- Maximum speed: 60000RPM
- Shank diameter: 6mm
- Power consumption: AC 1800W