

Aidite<sup>®</sup>  
AMW-400

# AMW-400

Four-axis / Milling of both glass ceramic and premill / Fast and stable milling



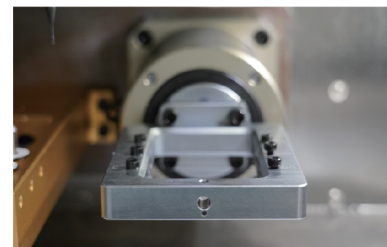
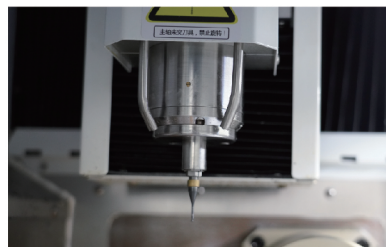
# AMW-400 Dental Milling Machine

Aidite AMW-400 wet milling machine is equipped with four-axis, which mainly used for digital processing of dental materials such as glass ceramic, premill, and composite materials. Equipped with a high-performance and powerful spindle, the machine can mill various materials more quickly. It is also equipped with 6-tool changer to realize automatic tool change when switching between different materials. The equipment adopts an integrated casting structure to improve the rigidity of the machine and meet your high-capacity milling needs.



Equipment size	560×720×800mm	
Weight	160Kg	
Number of axis	4 Axis	
Loadable workpiece size	Width	55mm
	Depth	20mm
	Height	20mm
Accuracy of repeat positioning	±8μm	
Millable material	Glass ceramic, premill	
Milling mode	Wet	
Milling speed	Premill 15 mins/pc, glass ceramic 20-25 mins/pc.	
Number of burs housed	6 (3 for glass ceramic/ 3 for premill)	
Tools shank diameter	6mm	
CAM Software	Millbox/Hyperdent/WorkNC	
Spindle	Rotary axis travel angle	B axis: 360°
	Spindle Power	1500W
	Cooling	Water cooling
	Rotating speed	60000rpm
Input	Voltage / Frequency	220V 50/60Hz
	Power	2.2KW
	Compressed Air Pressure (Bar)	6Bar

## Detail display



### Control Board

- 1.Touch control board
- 2.User friendly HMI
- 3.Remote control
- 4.Multi languages supported



### Open CAM System

- 1.Open CAM system integrated to AMD-500
- 2.Multi machine controlled with a single CAM



### Tool Magazine

1. 6-tool Automatic Tool Changer
2. Tool length and breakage detection



### Spindle

High-performance water-cooling spindle to realize fast milling of glass ceramic and premill.



### Coolant Tank

The coolant tank is integrated at the bottom of the machine and has excellent filtering capacity.



### Machine Structure

- 1.Integral casting structure
- 2.High precision ball screw and linear guide rails
- 3.High precision harmonic reducer