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AMW-400

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



Aidite®
en.aidite.com

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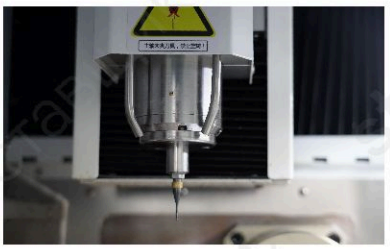
AMW-400 Dental Milling Machine

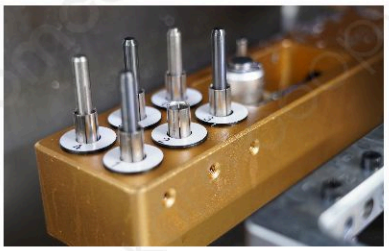
Aidite AMW-400 wet milling machine is equipped with four-axis, which mainly used for digital processing of dental materials such as glass ceramic, premill, and composite materials. Equipped with a high-performance and powerful spindle, the machine can mill various materials more quickly. It is also equipped 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.

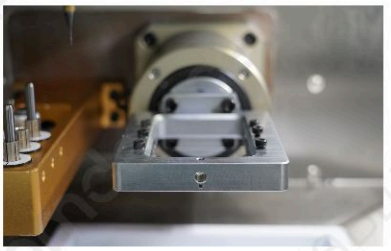


Equipment size		560×720×800mm
Weight		160Kg
Number of axis		4 Axis
Loadable workpiece size	Width	55mm
	Depth	20mm
	Height	20mm
Accuracy of repeat positioning		±8μm
Millable material		Glass ceramic, premill
Milling mode		Wet
Milling speed		Premill 15 mins/pc, glass ceramic 20-25 mins/pc.
Number of burs 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
	Voltage / Frequency	220V 50/60Hz
Input	Power	2.2KW
	Compressed Air Pressure (Bar)	6Bar

Detail display







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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

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