

TECHNICAL PARAMETERS

Number of axes	5 Simultaneous Processing
Milling mode	Wet and dry
Processing type	Denture, bitesplingt, snap on smile, surgical guide, partial framework, crown and bridge, veneer, inlay, post and core, screw-retained bridge (a separate nesting mouldle needs to be added for implant case), custom abutment
Millable material	Zirconia, PMMA, HPP, PEEK,Titanium disc, glass ceramic, denture, premill
Material thickness	10-35mm (round disc)
Accessories	Work table, water cooler, water tank
Repeat positioning accuracy	±5um
Linear drive system	Linear guide and lead screw
Rotary drive system	Harmonic reducer
Control system	Embedded CNC system and AC bus servo motor
Machine size	590×730×820 (mm)
Machine weight	180kg
Tool changer	10
Processing time	Single crown ≤15min, Premill ≤20min Glass ceramic≤20min, full denture≤3h
Stroke	XYZ axis:180X110x100 (mm) A-axis:±361 B-axis:-115°,+30°
Spindle	Power: AC 1500W Cooling: water cooling Speed: 60000rpm Chuck size: Φ6 mm
Input	Power supply: single-phase AC 220V 50/60Hz Voltage Power: 2.2KW 10A Air pressure: 6Bar

AMM-520 Milling Machine

Wet and dry machine, with multi-materials and multi-type processing efficiently and stably



AMM-520 MILLING MACHINE

AMM-520 is a wet and dry integrated multi-functional milling machine, with a stable structure and a variety of fixture combinations, meeting different production needs.



Harmonic drive

Harmonic drive ensures high precision of machine tool



Modular structure

Modular structure design ensures efficient processing and easy maintenance



Various fixtures (optional)

Compatible with fixtures of different quantities and materials



Safety door

When the door is opened in the running state, the equipment will stop working to ensure safe operation.

MACHINABLE APPLICATION



Machine Maintenance Reminder

◦ Intelligent reminder of equipment maintenance cycle and maintenance time



Custom abutment reverse clamping milling

◦ Support vertical processing of maxillary abutments
◦ Achieve perfect positioning of abutments and crowns



High precision lead screw

◦ It is accurate to get more stable control and a better tooth surface effect



Spindle

◦ Maximum speed: 60000 RPM
◦ Shank diameter: 4mm 1.5KW large spindle



Aviation aluminum casting platform

◦ Stable structure and operation



One-piece silicone dustproof

◦ Effectively prevent dust from entering inside of machine
◦ Ensure efficient and stable operation



Tool Life Management

◦ Real-time recording of tool life
◦ Smart reminder for changing tools



Three colors light indicates working status

◦ Three colors distinguish working status, easy to observe operation of