

TECHNICAL PARAMETERS

| | |
|------------------------------|---|
| Number of axis | 5 axis |
| Milling mode | Wet and dry |
| Processing type | Crown/bridge veneer, inlay, denture, occlusal splint, partial denture framework, customized abutment, implant superstructures, implant bar, screw-retained bridge |
| CAM software | Millbox (STD/EXP version optional) Hyperdent (implant module optional) Worknc (Full-featured implant version) |
| Processable material | Zirconia, PMMA, glass ceramic, premill, PEEK, titanium, CoCr, composite material |
| Processing thickness | 10-35mm (Disc) |
| Accessories | Work table, water cooler, water tank sets, milling parts sets (burs, milling fluids, etc.) |
| Repeat positioning accuracy | ±5um |
| Linear drive system | Linear guide and lead screw |
| Rotary drive system | Harmonic reducer |
| Clamping system | Zero-point clamping system |
| Control system | Embedded CNC system and AC bus servo motor |
| Machine size | 590×730×820 (mm) |
| Machine weight | 180kg |
| Tool changer | 18 detachable modular design |
| Factory standard fixtures | 98 semi-circular fixtures × 2, 98 full-circular fixtures × 1 Hybrid fixture × 1 (can clamp 3 glass ceramics - I12/C14/B40, or 3 premills - D shaped hole diameter: 7.98-8.00 mm) |
| Customized optional fixtures | ADT Denture fixtures, MEDENTIKA fixtures (can hold 3 premills) NT-TRADING fixtures (can hold 3 premills) STRAUMANN fixtures (can accommodate 3 premills) DESS&DENTIUM fixture (can accommodate 8 premills - D-shaped hole diameter: 8.01-8.03mm) Block fixture (can accommodate 6 blocks of I12/C14 glass ceramic or 2 blocks of B40 glass ceramic) Premill fixture (can hold 8 premills - D shaped hole diameter: 7.98-8.00mm) * Other premill fixtures can be customized by contacting the manufacturer |
| Processing time | Single crown ≤15min, Premill ≤20min Glass ceramic≤20min, full dentures≤1.5h |
| Stroke | X/Y/Z axis:180X110X100 (mm) A axis:±360° B axis:±30° |
| Spindle | Power: AC 2.5kW Cooling: water cooling Speed: 60000 rpm Chuck size: Φ6 mm |
| Input | Power supply: single-phase AC 220V 50/60Hz Power: 3KW 15A Air pressure: 6Bar |

Aidite

AMM-520 Pro Milling Machine

Wet and Dry | Multi-materials and Multi-type
Zero Point Quick Change



Aidite

Aidite (Qinhuangdao) Technology Co.,Ltd.

Authorized Partner



Everyone with a healthy and beautiful smile

AMM-520 PRO MILLING MACHINE

AMM-520 Pro 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)

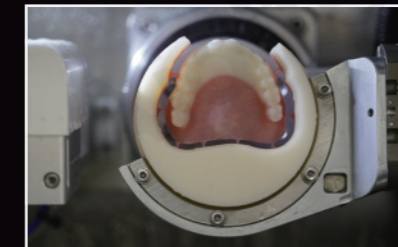
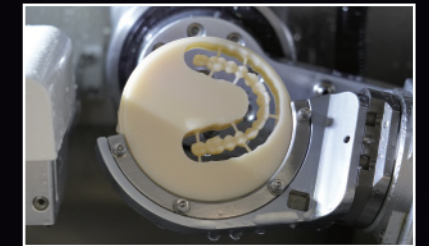
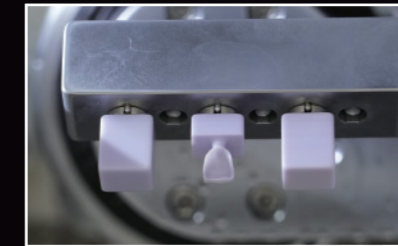
Compatible with fixtures of different quantities and materials



Safety door

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

MACHINABLE APPLICATION



ZERO Point system

- Quick change of fixtures, guaranteed precision



Spindle

- Maximum speed: 60000 rpm
- Shank diameter: 6.0mm
- Power: 2.5kW



One-piece silicone dustproof

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



High precision lead screw

- It is accurate to get more Stable control and a better tooth surface milling effect



Full denture milling

- One-piece milling solution
- Split-piece milling solution



Implant processing

- High-precision milling
- Various processing types such as implant bar, screw-retained bridges, etc.



Custom abutment reverse clamping milling

- Support vertical processing of occlusal abutments
- Achieve perfect positioning of abutments and crowns



Tool life management

- Dust and chip protection, tool magazine protection

