TECHNICAL PARAMETERS

Number of axis	5 axis（X/Y/Z/A/B）
Milling mode	Wet and Dry
Processable material	Zirconia, glass ceramic, PMMA, PEEK, titanium, CoCr, Premill, composite material
Processing thickness	10-40mm
Processing type	Crown, bridge, veneer, inlay, onlay, denture, occlusal splint, partial framework, customized abutment, implant bar, screw-retained bridge
CAM software	Millbox（STD/EXP version optional） Worknc（Full-featured implant version） Hyperdent（Implant module version）
Accessories	Work table, water cooler, water tank sets, milling parts sets（burs, milling fluids, etc.）
Repeat positionin accuracy	±5μm
Linear drive system	linear guideway and ball screw
Rotary drive system	Harmonic reducer
Clamping system	Zero-point clamping system
Control system	Embedded CNC system and AC bus servo motor
Machine size	596x704x1690 (mm)
Machine weight	220kg+64kg
Accessories weight	37kg
Package weight	83kg+28kg
Tool changer	24×3, detachable modular design
Standard fixtures	98 C fixture x2　　98 O fixture x1 Hybrid fixture x1(can clamp 3 glass ceramics -I12/C14/B40, or 3 premills - D shaped hole diameter: 7.98-8.00 mm)
Processing time	Single crown≤20min, Premill≤20min, Glass ceramic≤20min, Screw-retained bridge≤4.5h, Implant bar≤3.5h, locator≤ 50min
Stroke	X/Y/Z：190×120×85mm A axis：±360°　　B axis：-35°, +110°
Spindle	Power: AC 2.5kW Cooling: water cooling Speed: 60000 rpm Chuck size: ø6 mm
Input	Power supply: single-phase AC 220V 50/60Hz Power: 2.2kW 10A Air pressure: 0.6MPa

Aidite

AMM-530 Milling Machine

Zero Point Quick Change | Automatic Calibration | Build-in Camera



Aidite

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Everyone with a healthy and beautiful smile

AMM-530 MILLING MACHINE

The AMM-530 is a multi-functional milling machine with a stable structure, high-precision machining results, and supports quick and easy switching between various fixtures, allowing you to meet diverse production needs with just one machine.

Harmonic drive

Harmonic drive ensures high precision of machine tool

Modular structure

Modular structure design ensures efficient processing and easy maintenance

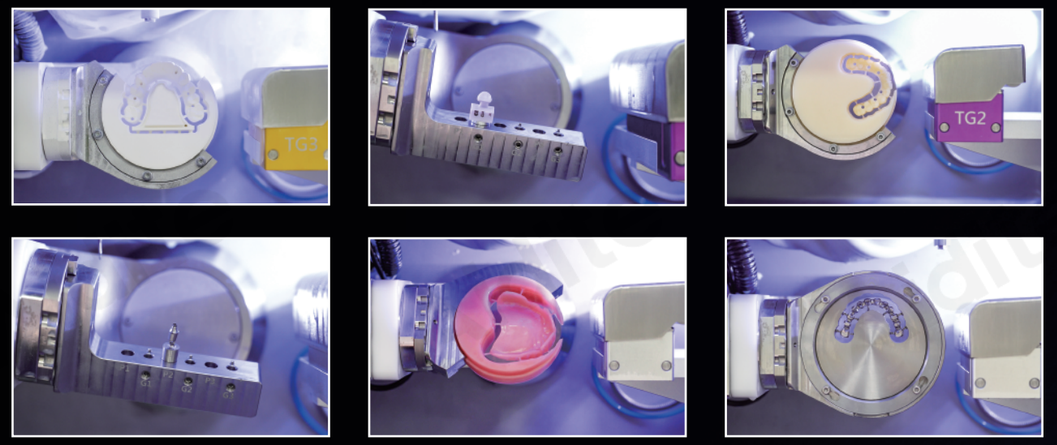
Various fixtures (optional)

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 quick change system

- Quickly change fixtures
- Ensure repeatability

Automatic calibration

- Equipped with an industrial-grade 20μm high-precision calibration ball
- one-button start for automatic five-axis axis calibration

Large capacity tool magazines

- 24×3 detachable tool magazines
- Dedicated protective cover effectively isolates dust and debris
- Fully supports complex tools such as T burs and lollipop burs, easily handling highly complex medical cases

Built-in camera

- Remotely monitor processing status at any time
- Supports real-time screenshots and screen recording, and can retain video recordings for 15 days



Denture milling

- 35° large angle milling on the B axis
- One-piece milling solution
- Split-piece milling solution

Wet Milling Cleaning

- The steeply angled sloping chamber combined with a powerful rotating spray system enables rapid wet cutting cleaning

High-efficiency cooling system

- A 20-liter large-capacity water tank, combined with a 14m high-lift water pump efficiently cools the burs and workpieces ensuring long-term machining stability

Customized abutment reverse clamping milling

- Precise vertical machining of the abutment's jaw surface
- Achieving precise one-time placement of the abutment and crown