



D510

YP D510 5-Axis Dry and Wet Dental Milling Machine

Dental Milling Machine for Zirconia, Glass ceramic and pre-mill abutment



Anyang Yingpai Dental Material Co., LTD

Web: <https://ypdental.com>

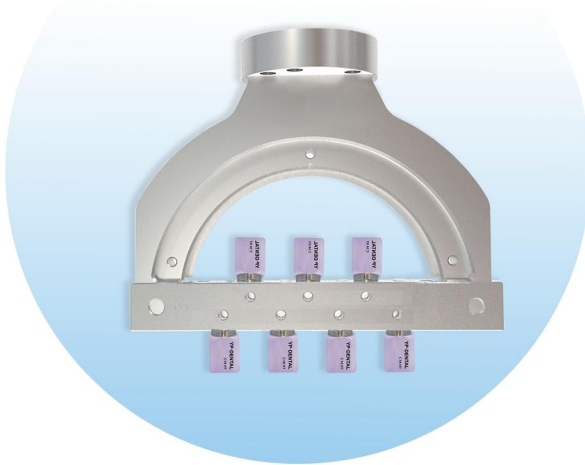
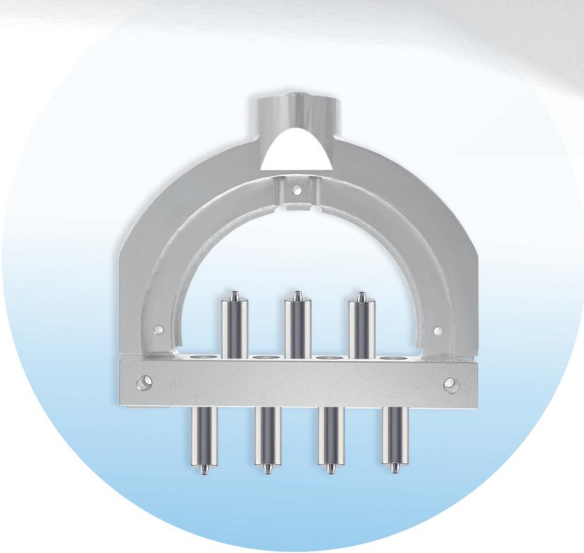
E-mail: business@ypdental.com

Add: Shangguan Town, Hua County, Henan province,
China (Mainland)

Support Dry & Wet processing modes



The three types of fixtures can be easily switched to meet the processing needs of different materials.



- 5-axis
- Dry & Wet
- Remote control system
- Precision $\pm 0.005\text{mm}$
- 10-inch screen
- 90° Vertical Milling



Milling Materials



PMMA



Wax



Titanium pre-mill
abutment



Zirconia



PEEK



Glass ceramic

Application



Abutments



Veneer



Model cast



Denture



Inlays/Onlays



Crown/Bridge



12 Tool Capacity



The tool magazine can be equipped with 12 tools to meet the different materials. The tool can be changed automatically during the processing.

Powerful Spindle



1000W power, 42mm diameter, 0~60000rpm speed, the spindle can easily mill zirconia, glass ceramics and pre-mill abutment.



5-axis Servo Motor Drive

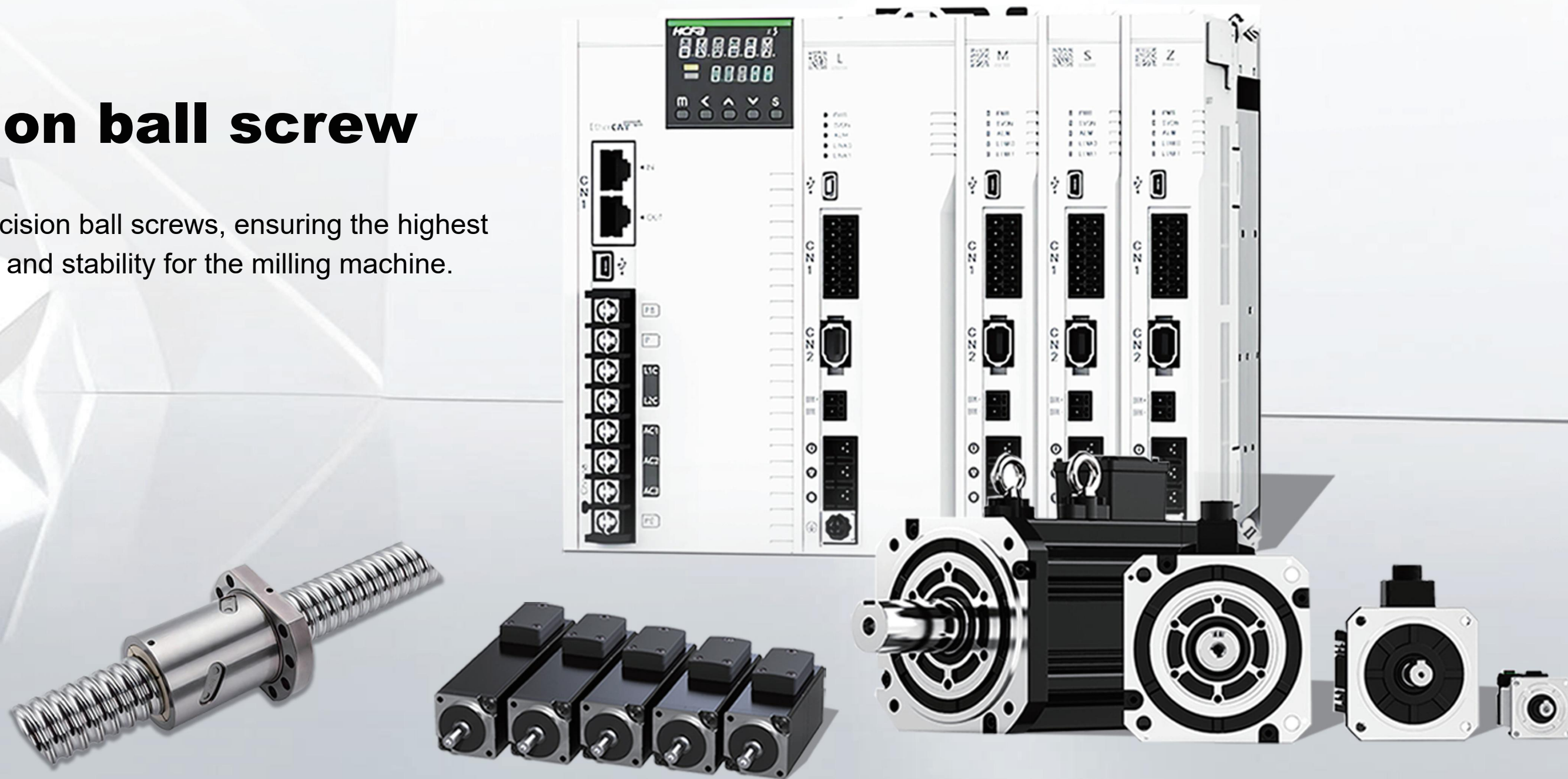


The servo motor of the HCFA provides great guarantee for the precision and stability of milling.

Precision ball screw

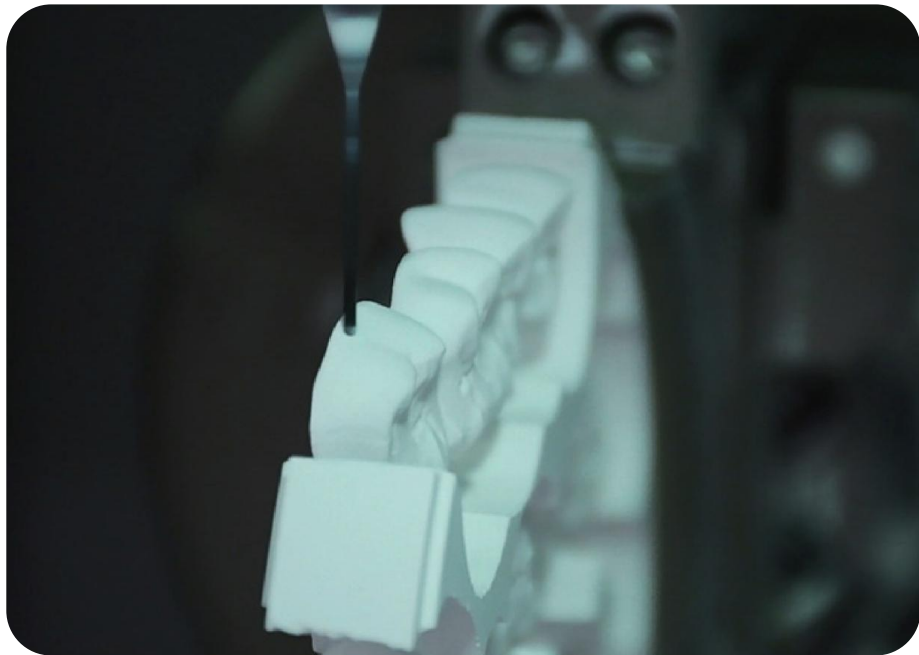


D510 utilizes precision ball screws, ensuring the highest level of precision and stability for the milling machine.



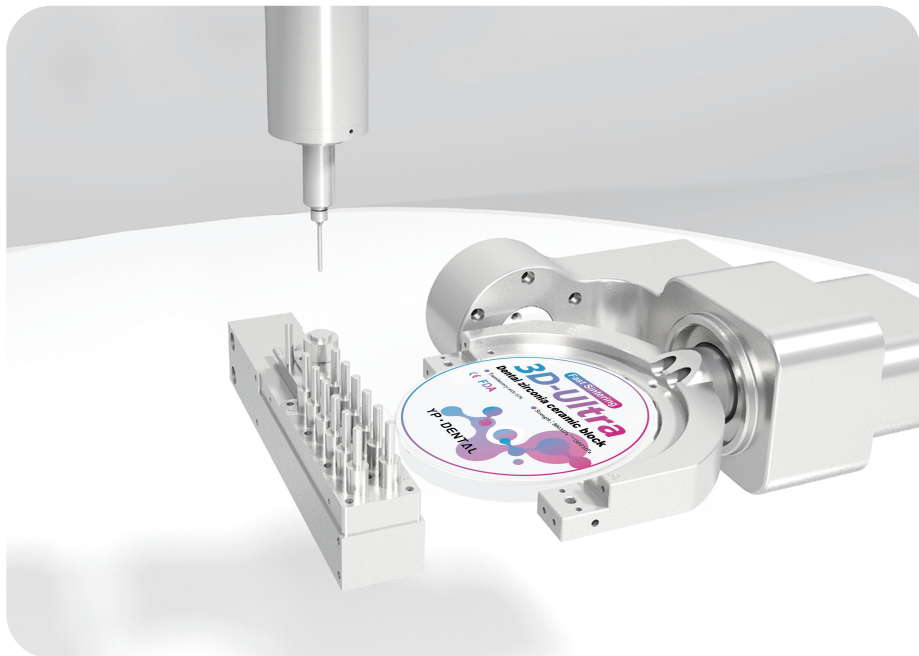
90° Vertical Milling

The 90° Vertical Milling is good for milling of the anterior and allows for a fine texturing of the denture.



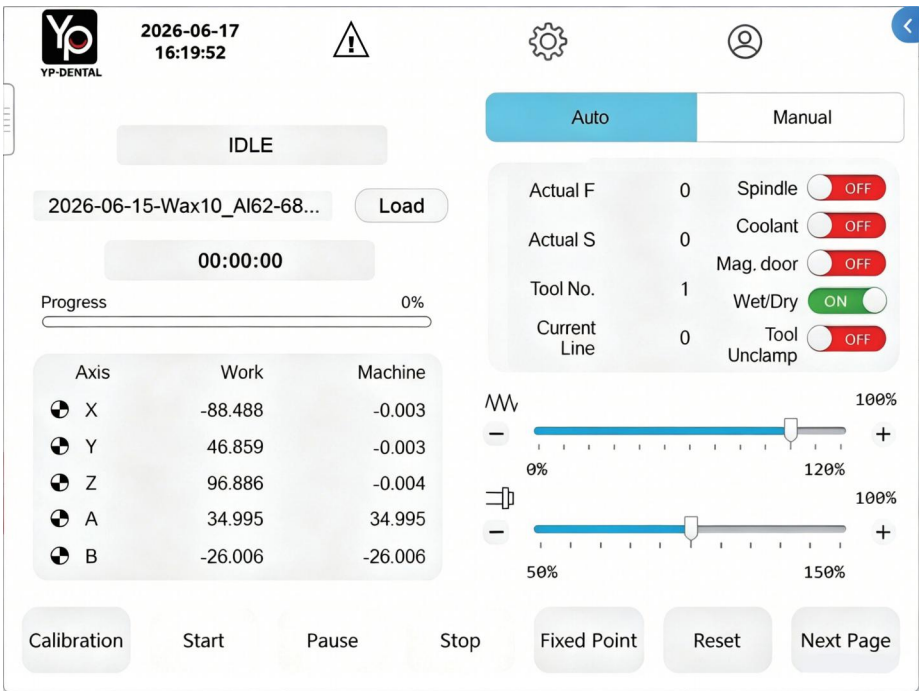
Resume when Interrupted

In case of an unexpected situation, processing can be automatically resumed from the last interrupted step, avoiding duplication of work and improving processing efficiency.



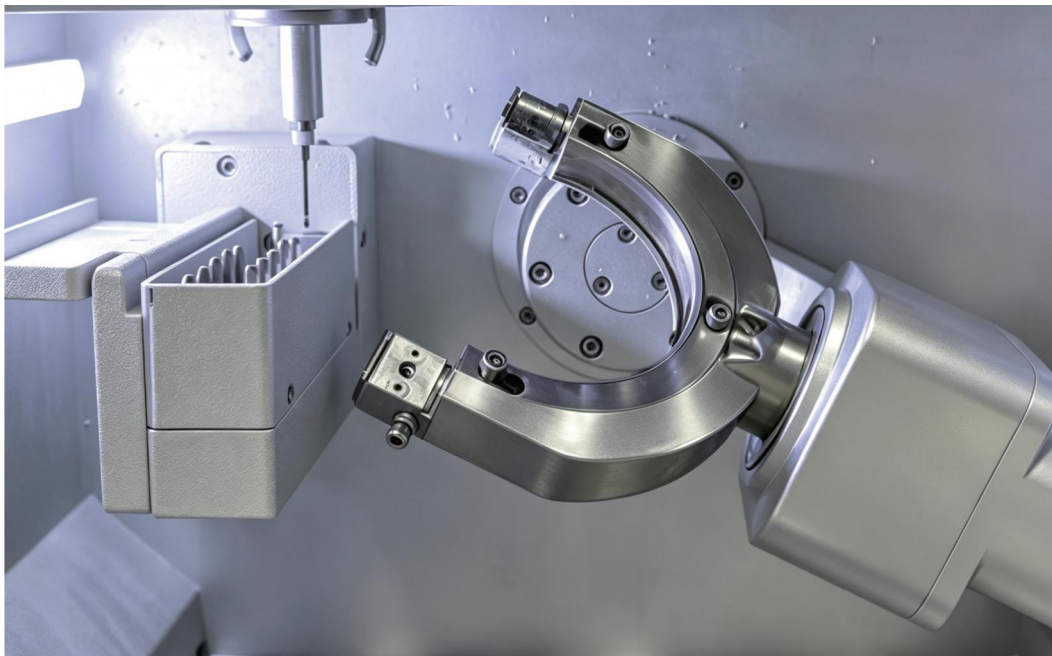
Intelligent Control System with Touch Screen

- 10-inch touch screen
- Remote control
- Open CAM system



Automatic Calibration

Automatic calibration function not only saves time but also ensures the equipment remains in optimal working condition at all times.



Technical Specifications



Device Name	YP Dental D510 Milling Machine
Device Size	630mm*530mm*700mm
Device Weight	120kg
Power Input	220V 50/60Hz 3000W
Air-pressure Input	Above 0.6MPa
Spindle Speed	0-60000RPM
Spindle Power	1000W
Spindle Cooling Method	Water Cooling
Processing Accuracy	Positioning accuracy: 0.01mm Repeated accuracy: 0.005mm
Rotation AxisAngle	A axis: 360°, B axis: -130°~+30
Clamp	98mm C-Clamp, Block holder, Premill abutment holder
Tool Diameter	4mm
Number of Tools	12 tools
Tool Changing Method	Automatic tool change
Processing Method	Dry or Wet
Processing Materials	Zirconia, PMMA, PEEK, Glass ceramic, Premill abutment
Axis	5 axis
Packaging Size	760mm*680mm*1420mm
Packaging Weight	205kg

Zirconia Milling Burs	Glass Ceramic Milling Burs	Metal Milling Burs
T1: Ball end, R1.0*D4*50L	T6: Ball end, R1.25*D4*50L	T9: Ball end, R1.5*D4*50L
T2: Ball end, R0.5*D4*50L	T7: Ball end, R0.5*D4*50L	T10: Ball end, R1.0*D4*50L
T3: Ball end, R0.3*D4*50L	T8: Ball end, R0.3*D4*50L	T11: Ball end, R0.75*D4*50L
T4: Ball end, R0.15*D4*50L		T12: Ball end, R0.5*D4*50L
T5: Flat end, R0.75*D4*50L		



One-year warranty for the whole machine,
lifetime after-sales service.