

Automatic Calibration  
And Great Durability



# P53

Smart Dental Milling Machines  
Automatic Calibration And Great Durability



## 01 Supports The 90° Vertical Milling

The 90° vertical milling method can make the design of the front teeth more aesthetic.

## 02 Independent R&d

All hardware and software are developed by Up3d. Intelligent control system perfectly merged with one-piece framework structure.

## 03 Five Smart Points

Leading the intelligent era of dental laboratories. New Smart Dental Milling Machine

## 04 Upcnc Software

One interface for multi-mills, easy to operate and one-click milling.

## 05 Save Materials

New half clamp design to improve the material utilization rate at the edge



Crown, bridge, coping, implant, full denture and other restoration cases. Support kinds of soft materials, zirconia, wax, PEEK, PMMA, etc.

## Automatic Calibration

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Calibration with a single click. Automatic calibration ensure the milling machine in high-precision milling mode.



## Led Light Milling Progress Bar

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Displaying the milling progress of P53 can reduce personnel inspection time and improve efficiency.



## Remote Connection

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One software controls all milling machines, and enables real-time monitoring of the production status of multiple machines.



## Tools Lifetime Display

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P53 is able to realize automatic calculation of tools lifetime, reasonable planning of tools life cycle, and reduce the risk of zirconia breakage and milling failure with UPCAM.



## Resume

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Automatically continue milling from the last interrupted step, avoiding repeated work and improving work efficiency by 80%.

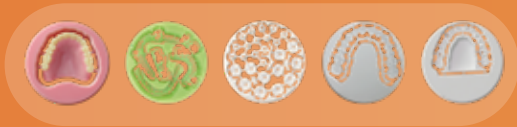
# P-Series Dental Mills



Model	P53
Dimension	443.5×718×628.5 ( mm )
Weight	87Kg
Input Voltage	AC 185~235V、50~60Hz
Max Power	0.8KW
Spindle Power	0.52KW ( max )
Axis	5-axis simultaneous motion
Milling Range	X/Y/Z: 171/210/108 A: ±30° B: ±360°
Milling Mode	Dry milling
Max Rotate Speed	30,000rpm
Max Feed Rate	3,000mm/min
Tools Library	11
Tools Changing	Automatic ( Air pressure >0.5MPa )
Spindle Cooling	Air compression ( Air pressure 0.25~0.35MPa )
Milling Materials	Zirconia, Wax, PMMA, PEEK and soft materials
Milling Time	Coping : Zirconia-10min Wax- 4.5min
	Crown : Zirconia-13min Wax-5.5min
Tools Diameter	2+1+0.6 ( Φ 4 )



# P-Series Dental Mills



Model	P53
Automatic Calibration	✓
Resume	✓
Safety Door Precautions	✓
Tools Lifetime Management	✓
Auto Dust-collection Control	✓
C-clamp	✓
90°milling Strategy	✓
Auto-mark On Blocks	✓
Led Light Bar Progress Indicator	✓
Wifi Connection & Control	✓

# P53

## Smart Dental Milling Machines

Save materials and give full play to your potential



New Half Clamp Design To Improve The Material Utilization Rate At The Edge





## Full Dental Cad/cam Solution



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