



Digital technology improves life

# P53



Smarter, easier, more effective ways  
to partner with your lab

## Smart Dental Milling Machine

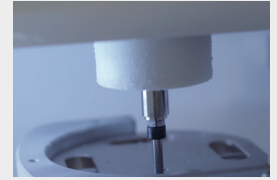
Automatic Calibration And Great Durability





## Automatic Calibration

Calibration with one click. Automatic calibration ensures the milling machine in high-precision milling mode.



## Save Materials

New C-clamp design to improve the material utilization rate at the edge. Crown, bridge, coping, implant, full denture and other restoration cases. Support multiple materials, zirconia, wax, PEEK, PMMA, etc.



## 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 durable and integrated design.

## 03 Intelligent

A dental milling machine that defines the era of intelligent dental laboratories.

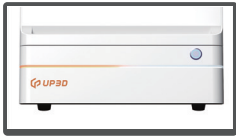
## 04 UPCNC Software

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

# Maximizing your efficiency

## P53- 5-axis milling machine

A 5-axis milling machine developed by UP3D, equipped with intelligent features such as automatic calibration, monitoring of burs life, and automatic renewal, the P53 digitizes and scales up traditional processing methods.



### Led Light Milling Progress Bar

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



### Remote Connection

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



### Tools Lifetime Display

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 UPCNC.



### Resume

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

# 90° Vertical Milling

## WHAT IS THE 90° MILLING & DESIGN?

Ensuring superior results when milling interproximal areas, anterior teeth, and gingival lines



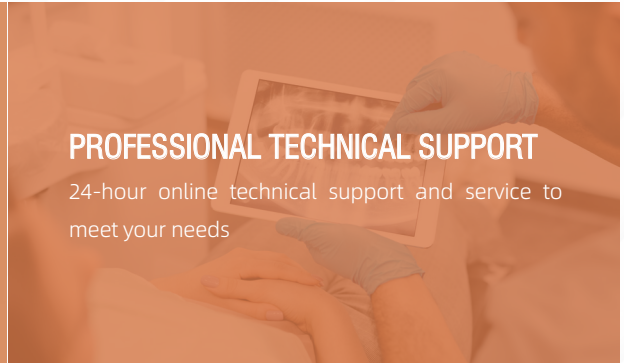
### YOUR SATISFACTION IS OUR PURSUIT

All products are tested inhouse by professional QC team before delivery



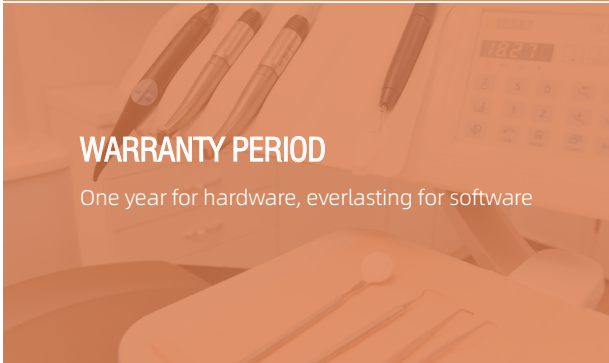
### PROFESSIONAL TECHNICAL SUPPORT

24-hour online technical support and service to meet your needs



### WARRANTY PERIOD

One year for hardware, everlasting for software



### AFTER-SALES GUARANTEE

No annual fee for software, and professional technical team do the excellent service



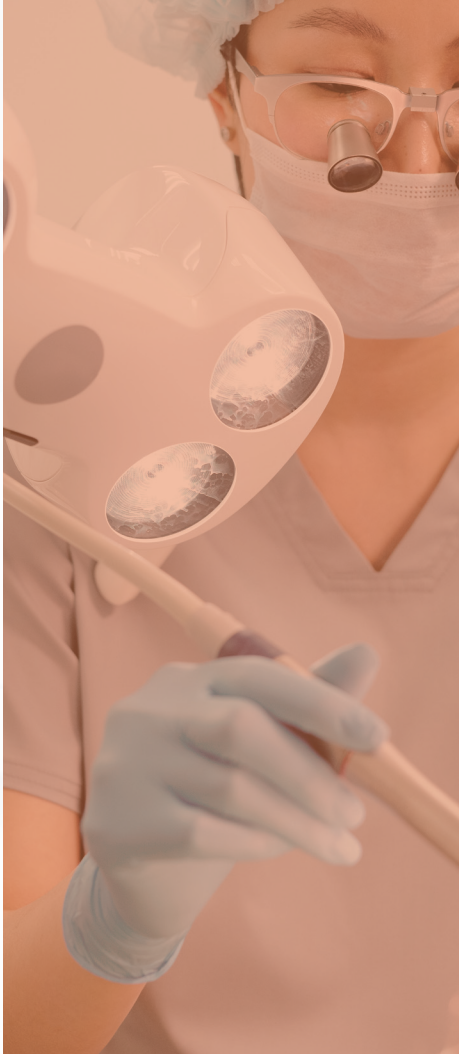
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# Parameters

## UP3D 5-Axis Mill Machine



|                           |   |
|---------------------------|---|
| Model                     | P53   |
| Dimension                 | 718×443×628 mm  |
| Weight                    | 87kg  |
| Input voltage             | AC 200~240V 50~60Hz   |
| Maximum power             | 1.1KW   |
| Spindle power             | 0.35KW at max   |
| Axis quantity             | 5-axis simultaneous motion  |
| Milling range             | X/Y/Z:167/206/104mm A:±30° B:±360°                                    |
| Milling mode              | Dry milling   |
| Max rotation speed        | 30,000rpm   |
| Max feed rate             | 3000mm/min  |
| Tools quantity            | 11  |
| Tools changing method     | Automatic (Air pressure >0.5MPa )                                     |
| Spindle cooling           | Air cooling with compression air (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 (Φ4 calibration bur)                                      |
| Disc specification        | Round disc with Φ98, 30mm max for thickness                           |
| Spindle clamping diameter | Φ4.0mm  |
| CAM supported             | UPCAM and Millbox   |
| Data transmission         | Network interface   |




UP3D is a high tech company and the few companies in the world that are capable of developing a full dental CAD/CAM solution including software and hardware, from scanning, designing, to milling.

UP3D remains dedicated to our customers' requirements for training and support as well as for innovative, high-quality products that perform reliably. We have native technical support to deal with any after-sales problems to ensure that you can use our products happily.

## CONTACT US

 [www.up3ds.com](http://www.up3ds.com)

 [info@up3d.cn](mailto:info@up3d.cn)

 +86-755-26983202

