

# ***PS<sup>2</sup>***

## ***Smart dental milling machine***

**It's more than a mill, a partner!**



# PS<sup>2</sup> Smart dental 5-axis milling machine



## Independent R&D

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



## Resume

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



Integrate with vacuum and control it automatically.



Tools life time indicator.



## Applications

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



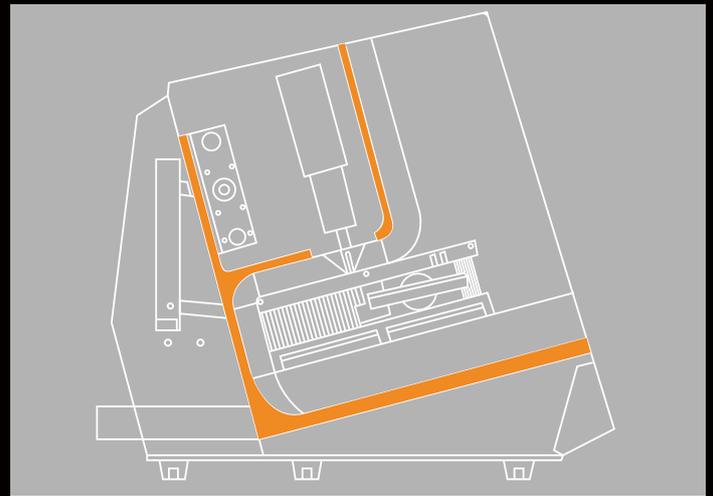
## ***Auto-Calibration***

No need to do calibration manually and save time.  
A single click will achieve auto-calibration.



## ***One-piece framework***

Durable and stable in use, good dust proof.



## ***UPCNC software***

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



## ***UPCAM software***

UPCAM is a dental CAM software  
which is developed by  
UP3D and ModuleWorks from  
Germany, and supports all types of  
dental restoration processing.



**P5<sup>2</sup>**

## Smart dental 5-axis milling machine

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Model-----	P52
Dimension-----	620×430×560 (mm)
Weight-----	79Kg
Input voltage-----	AC 100~235V、50~60Hz
Max power-----	0.8KW
Spindle power-----	0.52KW (max)
Axis-----	5-axis simultaneous motion
Milling range-----	X/Y/Z:165/135/70mm A:±30° B:360°
Milling mode-----	Dry milling
Max rotate speed-----	40,000~60,000rpm
Max feed rate-----	3000mm/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 (Φ4)



***Digital technology improves life***



UP3D is a high tech company headquartered in Shenzhen since 2013.

As one of the only few companies in the world that are capable of developing a full dental CAD/CAM solution including software and hardwares.

We are committed to provide our worldwide customers with high quality dental CAD/CAM products to benefit from the digital dental revolution.



[www.up3ds.com](http://www.up3ds.com) [info@up3d.cn](mailto:info@up3d.cn) 0755-26983202