



Automatic calibration and great durability

Smart Dental Milling Machines



Digital technology improves life



WE ARE FULL DENTAL CAD/CAM SOLUTION DEVELOPER AND MANUFACTURER

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

UP3D is one of the few companies in the world that are capable of developing a full dental CAD/CAM solution including software and hardware.

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

UP3D-digital technology improves life

P53

5-axis milling machine



Full CAD/CAM hardware and software are developed by UP3D

All software and hardware are independently developed by UP3D with core technology, intelligent control system and a perfect combination of integration.



Remote connection

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



Intelligent initialization

The first milling machine with fully automatic calibration and intelligent initialization in China.



LED light progress bar

Machine will display the processing progress. Reduce personnel inspection time.

Applications





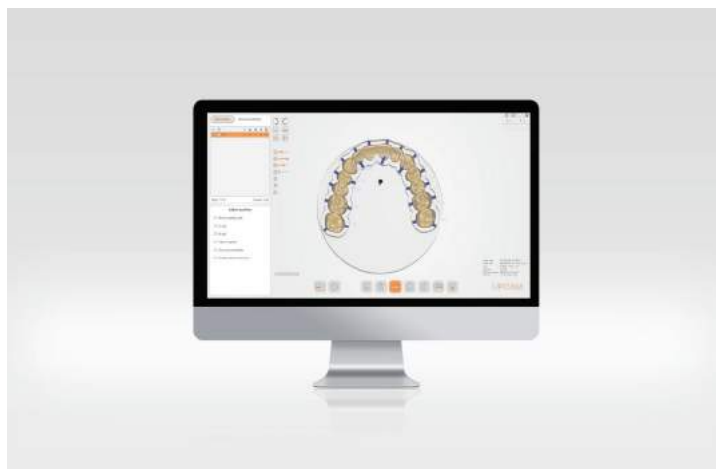
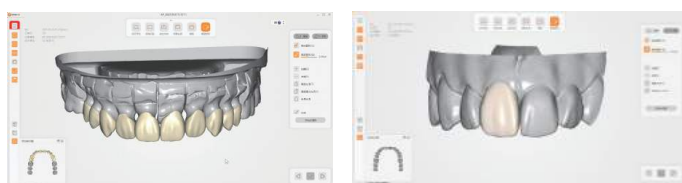
Model	P53
Dimension	443.5×718×628.5 (mm)
Weight	79Kg
Input voltage	AC 185~235V、 50~60Hz
Max power	0.8KW
Spindle power	0.52KW (max)
Axis	5-axis simultaneous motion
Milling range	X/Y/Z: 170/215/105mm
	A: ±30° B: 360°
Milling mode	Dry milling
Max rotate speed	40,000~60,000rpm
Max feed rate	3000mm/min
Tools 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)



UPCAD

Self-developed dental design software

UPCAD is an independently developed dental design software by UP3D since 2011, specially customized for dental technicians, and easy to learn and use. Enables users to upload database.



UPCAM

UPCAM software

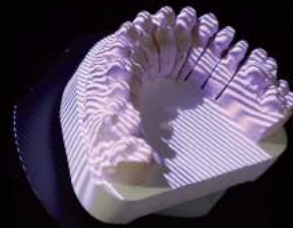
UPCAM is a dental CAM software which is developed by UP3D and ModuleWorks from Germany. (ModuleWorks is one of the most advanced CAM core algorithm supplier in the world).

Suitable for all UP3D mills. UPCAM supports all types of dental restoration processing.



Application- Bridge case

UP400 Scan



UPCAD Design



UPCAM Nesting



P53 Milling

