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P4¹



4-axies Wet Dental Mill

4 axies | 3 pieces | 6 tools | wet mill

Full dental CAD/CAM Solution

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P41

4-axies Wet Dental Mill

P41is a four-axis chairside grinding machine independently developed by Shenzhen UP3D Technology Co., Ltd. P41adopts wet processing, vertical structure design, and it perfectly matches intelligent control system, energy saving 60~80% compared with traditional equipment, key control components adopts high-quality original parts, and screw rods, guide rails and other components are maintenance-free design which reducing trouble with professional maintenance of equipment.

RESUME
Avowing repeated work

Built-in computer
Easy to use

Grinding 3 blocks
at the same time

Intelligent upgrade
Automatic calibration

Stable machine
High precision

Simple operation
Easy to learn



4-axies
Wet Dental Mill

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Small in size

space saving, to realize true “desktop” restoration.

All software and hardware are independently developed by Shenzhen UP3D Technology Co.,ltd. with core technology, intelligent control system and a perfect combination of integrated structure.

Powerful grinding machine

supports grinding of multiple materials and wide application on restorations.

It can process glass ceramics, titanium rods and other materials to support the processing of multiple types of restorations such as crown, inlay, veneer, and implant abutments.



Automatic tool changer

with 6 tool library

2 sets of different types of tools can be pre-placed

glass ceramic and titanium rod milling tools can be preset at the same time to improve production efficiency.

- intelligent control system and machine integration achieves high-degree automation
- Enable to one-click automatic calibration
- Small in size. Subvert the design of traditional large-scale milling machine
- Small and stable

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Abutment

Prefabricated interface titanium rods material



Bridge

Class ceramic



Crown

Class ceramic

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P41

Veneer glass ceramic

Application

1 Desktop scanner
" UP560



J Design software
UPCAD



3 Nesting software
UPCAM



л MiHing/Grinding
4 P41





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P41

Abutment+Class ceramic crown

Application

1 Desktop scanner
UP560

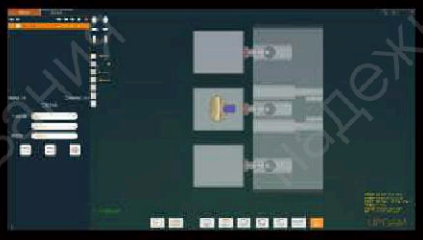


2 Design software
EXOCAD



3 Nesting software
UPCAM





4 Milling/Grinding
P41





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Model	P41	Max spindle speed	60,000rpm
Dimension	520x420x560 (mm)	Max feed rate	3000mm/min
Weight	70Kg	Tool capacity	6
Input voltage	AC 1OO-235V、50-60HZ	Tools changing	Automatic (air pressure>O.45MPa)
Max power	0.9KW	Spindle cooling	air compression (air pressureO.25~O.35MPa)
Spindie power	0.6KW	Miling materials	Glass ceramic, Titanium bar
Axis	4 axis	Miling time	crown : Glass ceramic 20min
Milling range	X/Y/Z: 130/75/65.5mm A: ±360°		Veneer: Glass ceramic ISmin
Milling mode	Wet milling	Tools diameter	2.5+1+0.6 (Glass ceramic)3+2+1.5 (Titanium rod)



Abutments Veneers Onlay Crown Bridge