



Digital technology improves life

P53DC

Why not work less, mill more
and live more?

5-Axis Dental Mill with Automatic Disc Changer

Unattended automatic milling 24 hours,
guarantee a worry-free production





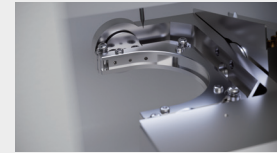
90° Vertical Milling

The 90° milling for easy anterior incisal embrasure milling so that the P53DC is able to deliver the perfect results.



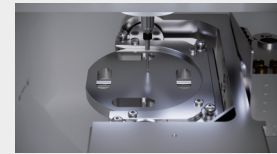
Automatic Calibration

The most convenient and smart control system among the dental milling machines



C-Clamp Adapter

The new C-Clamp adapter improves the utilization of materials at the edges. Material is saved and 100% of its potential is realized.



Automatic Disc Changer

Disc Capacity - the P53DC features a large disc capacity, which is capable of accommodating 12 different discs and multiple shades of zirconia, and replacing the zirconia disc as ordered.



Automatic Tool Changer

With 11 library Automatic Tool Changer, it offers continuous milling of different materials for stable milling



Remote Control

Simple setting to activate the intelligent 24-hour non-stop automatic milling

P53DC 5-Axis

Dental Mill With Automatic Disc Changer

P53DC 5-Axis Dental Mill With Automatic Disc Changer improves lab productivity and profits. A 24-hour unattended operation ensures worry-free production. Comparing the new system with traditional workflows, the new system offers more flexibility and efficiency for an easier, more cost-effective workflow.

90° Vertical Milling

WHAT IS THE 90° MILLING & DESIGN?

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

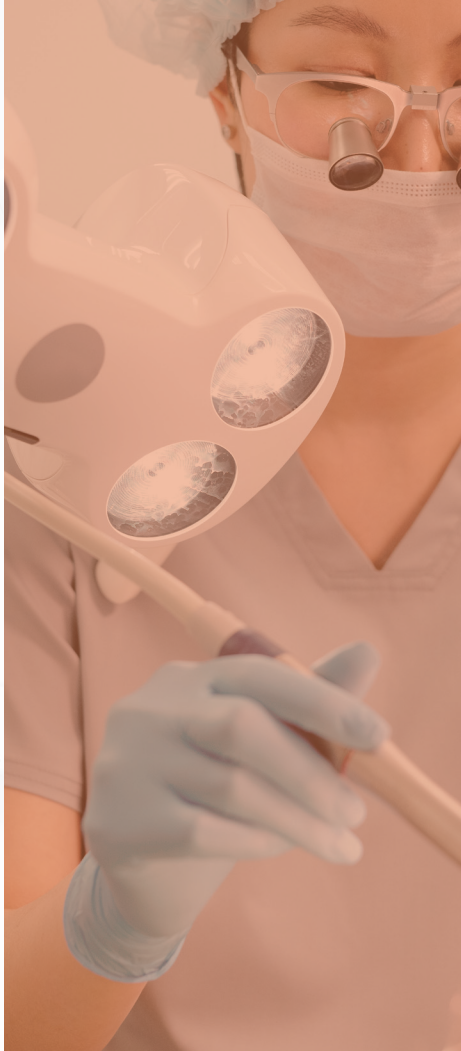


Parameters

UP3D 5-Axis Mill Machine



| | |
|---------------------------|---|
| Model | P53 DC |
| Dimension | 720×875×630mm |
| Weight | 130kg |
| 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 | 60,000rpm |
| Max feed rate | 3000mm/min |
| Tools quantity | 11 |
| Disc library quantity | 12 |
| Tools changing method | Automatic (Air pressure >0.5MPa) |
| Spindle cooling | Air cooling with compression air , air flow>50L/min |
| 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+0.3 (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.

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