

cameo
CPD-100 3D Printer

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Fast | Accurate | High applicability



CPD-100 3D Printer

The CPD-100 3D printer is designed for the field of oral repair and implant, especially for repair cases with high precision of guide plate, veneer, single crown, and connecting bridge.

30 micron high precision printing: CPD-100 adopts optical correction technology to ensure the high-precision printing of 30μm, which can meet the realization of high-precision cases, ensure the perfect matching of the printing model, accurate application of the guide plate, improve the success rate of implant surgery by 50%, and reduce the rate of surgical failure by 30%.

26mm/h high speed printing: AI optimization technology is adopted to ensure the perfect match between motor operation and optical machine exposure time, so that 26mm/h high-speed printing can be guaranteed under the condition of 0.05mm layer thickness, and the printing molding time can be shortened.



Print preview

Layered preview and 3D model preview, convenient and intuitive view to print the progress of the work



Printing speed is fast

- 0.05 mm, with a thick layer of printing speed is 26 mm/H
- 0.075 mm, with a thick layer of printing speed is 39 mm/H
- 0.1 mm, with a thick layer of printing speed is 51 mm/H



Convenient operation

Interface conforms to the user habit, friendly human-computer interaction



Lan shared print file

Can U disk transfer print documents, as well as through the LAN file transfer printing

The equipment parameters:

Device name	CPD-100 3D Printer
Weight	30kg
The equipment size	333×377×726mm
Voltage range	100~240V(50/60Hz)
Power	50W
Molding size (XY)	144×81mm
Precision	30μm
The Z axis layer thickness	0.05mm
XY resolution	75μm
Light source	405nm
Layer thickness range	0.05mm-1mm
The largest printing speed	26mm/h
The data format	STL
Type of printing technology	DLP

Material:



Guide resin

- High penetration, high strength
- Odorless
- With biological compatibility



Model resin

- 14 days 90% accuracy stability
- High strength
- Odorless, high temperature resistant



The gum resin

- High tear strength
- Odorless
- The surface texture is moderate

Meet the application:



① Repair teeth die



② Plant guide



③ Mold repair of jaw teeth



④ Plant guide



⑤ Ditch dental wax



⑥ Dental implants die