

STEREOLITHOGRAPHY 3D PRINTER SLA600D-DLC (DENTAL)



PROTOFAB™
BEYOND DIMENSIONS

DENTAL PREFERENCE

www.3dprotofab.com

SUPERIOR STABILITY

The whole machine adopts one-piece of the thick and special square tube, the main frame is integrally formed, the printing datum plane is selected Jinan granite, the Z-axis module is specially selected for aviation aluminum with the stable structure and performance, ensuring the long-term stable operation of the equipment, realizing fast and accurate printing. It is especially suitable for the medical dental needs for printing.

SUPERIOR HIGH MOLDING ACCURACY

The forming surface's dimension is large (600mm x 600mm x 150mm), which could print more than one hundred dental molds at a time. The built tooth mold has unique precision and excellent surface finish. The thickness of the printing layer is accurate to 0.05mm, which could restore the detail of teeth accurately.

SUPERIOR PRINTING SPEED

The independent research and development of core control software, German original high-speed scanlab and the printing speed help customers improve production efficiency and reduce production cost.

SELF RESEARCH MATERIAL

Independently researched and developed printing materials with different characteristics is up to 20 kinds, and pass the strict equipment matching test to ensure high-quality output effect and meet different and practical application requirements.

PERSONALIZED CUSTOMIZATION

We not only offer a variety of optional and free customizations, but also offer a number of modular upgrades, including the intelligent scanning system of the variable spot, automatic opening door, automatic feeding, automatic environmental sense, remote control etc., to meet the needs of industrial 4.0 personalized customization.



SLA600D-DLC TECHNICAL DATA SHEET

Build Size (xyz) ¹	600 x 600 x 150 mm (23.62 x 23.62 x 5.91 in)	
Printing Speed	75 - 180 g/h (Single Scanner)	
Scanning Speed	6.0 m/s (Recommended)	10.0 m/s (Maximum)
Accuracy	Part Size < 100 mm (3.9 in): ±0.1 mm (±0.004 in)	Part Size ≥ 100 mm(3.9 in): ±0.1% x L
Layer Thickness	0.1 mm (0.004 in)	
Laser Type	Diode-pumped solid-state laser Nd:YVO ₄	
Optical System	SCANLAB Galvanometer Scanner Beam Size: the diameter of fixed spot: 0.08mm-0.15m the diameter of variable spot: Samll spot: 0.08mm-0.15m; Large spot: 0.45mm	
Operating Software	Sirius Intelligent Printing Control Software Linux / Windows (Optional)	
CAD Interface	STL,CTL,OBJ,PLY,ZPR,ZBD,AMF,WRL,3DS, FBX,MJPDDD,3DPRINT,BFF,IGES,IGS,STEP and STP	
Machine Size W x D x H	1130 x 1390 x 1920 mm (44.49 x 54.72 x 75.59 in)	
Ambient Temperature	22 - 25°C (71.6 - 77°F)	
Relative Humidity	Less than 40%	
Power Requirements	200 - 240 VAC 50 / 60 Hz 16A (Available according to local voltage standard)	



Accuracy may vary depending on build parameters, part geometry and size, part orientation and post-processing methods.

By choosing a ProtoFab SLA machine, you also gain access to comprehensive training for 3D printing, post-processing and advanced industrial design assistance. We also provide you with free lifetime technical support to help your business optimize production and maximize profitability.

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