

STEREOLITHOGRAPHY 3D PRINTER

SLA2400-DLC



PROTOFAB™
BEYOND DIMENSIONS

BIG MAC

www.3dprotofab.com

BIG AND STEADY

With 2400mmx800mmx800mm large printing build size, it can realize large-scale prototype printing in an integrated manner, efficiently avoiding the product error caused by splicing, and meeting the urgent need for large-scale prototype samples in the rapid prototyping field such as automobile design and aerospace. Equipped with high-end optoelectronic devices, combined with independent and efficient control software to control the overall printing process to ensure the stability of printing.

HI SPEED AND ACCURATE

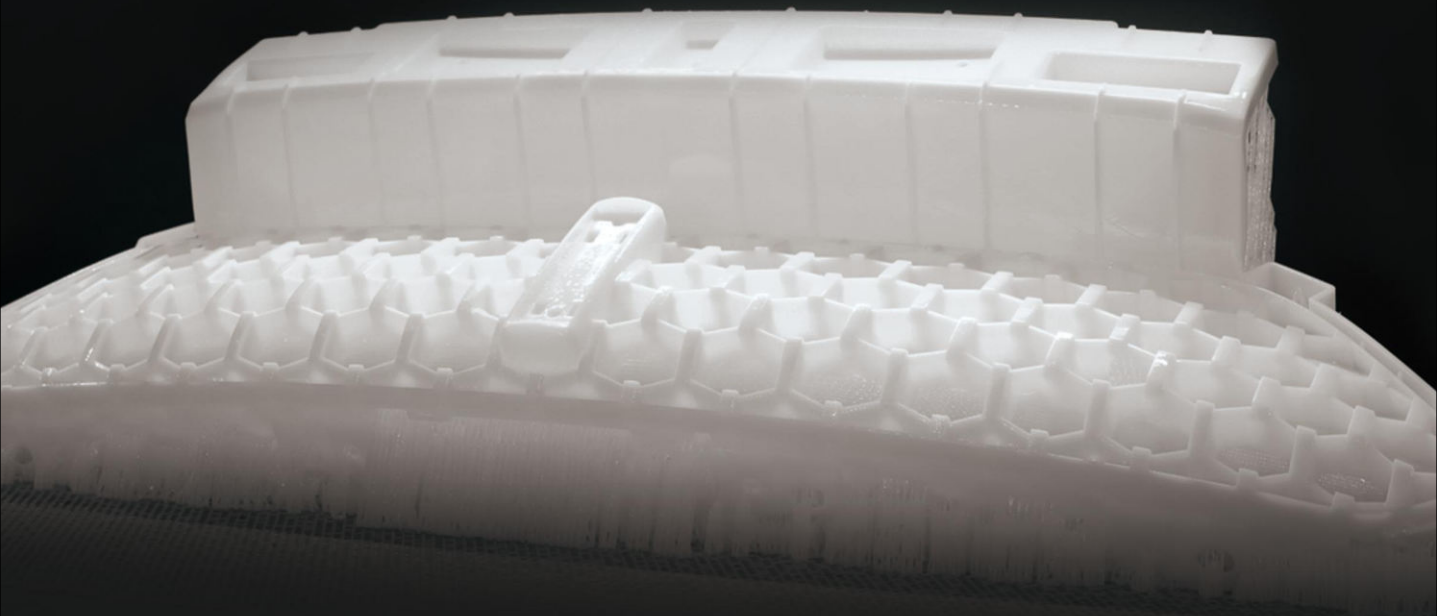
The world first DLC (Dynamic laser power control) printing technology, combined with the self-developed auto-focus technology, has greatly improved spot quality, ellipticity of 97%, and printing efficiency by 100%, greatly improving printing efficiency and precision.

HI DEGREE OF AUTOMATION

The world first Linux control software, automatic setting of process parameters, three optional intelligent printing modes, simplified operation process, highly automated molding process, and greatly improved human-computer interaction experience and system security.

PERSONALIZED CUSTOMIZATION

We offer a wide range of optional free customizations, as well as a number of modular upgrades, including automatic double door opening, automatic feeding, automatic environmental sensing, remote control, etc. to meet the needs of Industry 4.0 customization.



SLA2400-DLC TECHNICAL DATA SHEET

Build Size (xyz) ¹	2400 x 800 x 800 mm (94.49 x 31.50 x 31.50 in) Optional	
Printing Speed	150 - 510g/h	
Scanning Speed	6.0 m/s (Recommended) 10.0 m/s (Maximum)	
Accuracy	Part Size < 100 mm (3.9 in): ±0.2 mm (±0.0079 in)	Part Size ≥ 100 mm (3.9 in): ±0.2% 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: 0.15 – 0.18 mm	
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	3800 x 1800 x3000mm (149.61 x 70.87 x118.11 in)	
Ambient Temperature	20 - 26°C (68 - 78.8°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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