

STEREOLITHOGRAPHY 3D PRINTER

SLA1600-DLC



PROTOFAB™
BEYOND DIMENSIONS

GODZILLA

www.3dprotofab.com

SUPERSIZE

Large and complex parts up to 1600 X 800 X 550 mm or 1600 X 800 X 800 mm can be printed, providing the most extensive selection of material properties available on the market, automatic parts once forming, save assembly time, avoid the risk of low component strength at the joints, customized for high-quality large prototype samples.

AMAZING PRINTING SPEED AND ACCURACY

Self-developed intelligent variable spot technology, free switching variable spot mode, equipped with double laser, double scanlab, printing efficiency increased by 100%, maximize the efficiency of new product development.

EXCELLENT PRINTING STABILITY

Z axis, R axis and scraper module all use high-precision marble substrates, which further ensure the long-term stable operation of the equipment, improve the printing stability, make the material utilization rate higher, and significantly reduce the production cost of the model.

HIGH DEGREE OF AUTOMATION

A new generation of mesh plate fixing technology, with automatic switch door to support full automatic production line; Double liquid level sensing to realize automatic liquid level compensation; Super long scraper design, Y axis motion, compare to short X axis motion scraper, efficiency increase by more than 2 times.

PERSONALIZED CUSTOMIZATION

We not only offer a variety of optional free customization, but also provide a number of modular upgrade, including automatic double door, automatic feeding, automatic environmental sensing, remote monitoring, etc., to meet the needs of industry 4.0 personalized customization.



SLA1600-DLC TECHNICAL DATA SHEET

Build Size (xyz) ¹	1600 x 800 x 550 mm (62.99 x 31.50 x 21.65 in)	
Printing Speed	100 - 350 g/h (Double Scanners)	
Scanning Speed	6.0 m/s (Recommended) 10.0 m/s (Maximum)	
Accuracy	Part Size < 100 mm (3.9 in): ±0.1 mm (±0.0039 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: Small 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	2350 x 1840 x 2650 mm (92.52 x 72.44 x 104.33 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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