

STEREOLITHOGRAPHY 3D PRINTER

SLA600A-DLC



PROTOFAB™
BEYOND DIMENSIONS

INNOVATOR

www.3dprotofab.com

ULTRA PRECISE

The beam quality and accuracy have been improved further. This allows for an even wider range of complex structures to be printed.

RELIABLE LINUX SYSTEM

The all-new Linux-based control system was developed in-house specifically for ProtoFab equipment. Parameters can be fully automated. The modeling process is much more streamlined and automated than before and the interface is highly intuitive and secure.

DYNAMIC LASER CONTROL

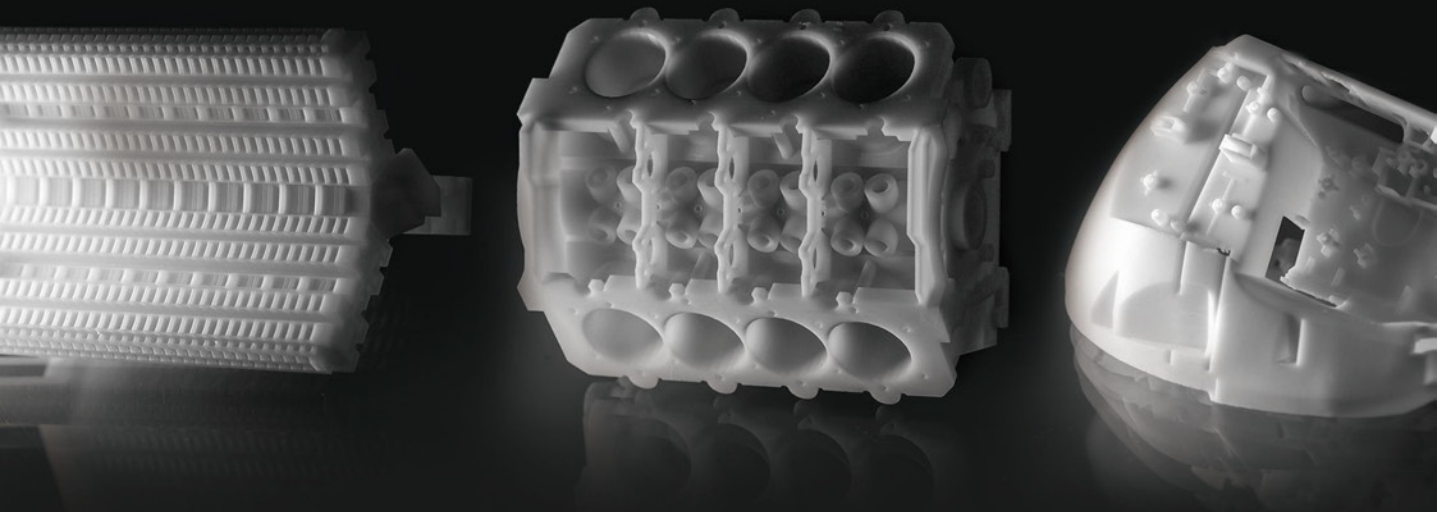
The power of the 3-watt laser can be adjusted smartly during printing to give incredible efficiency and accuracy (the print speed increased by 30%-90%). Finished parts have a smoothness and level of detail comparable to injection molding, making post-processing easier than ever.

PERFECT COMPATIBILITY

ProtoFab offers a good variety of materials, each with their own unique characteristics. Each has been tested extensively and is the perfect match for this equipment.

MADE TO MEASURE CUSTOMIZATION

We offer a considerable selection of customizations free of charge. Available upgrades include autofocus, automatic material refilling, environment sensors, as well as remote diagnostics and control, ensuring you are industry 4.0 ready.



SLA600A-DLC TECHNICAL DATA SHEET

Build Size (xyz) ¹	600 x 600 x 400 mm (23.62 x 23.62 x 15.75 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: 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	1630 x 1280 x 1920 mm (64.17 x 50.39 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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