

# STEREOLITHOGRAPHY 3D PRINTER

## SLA800-DLC



**PROTOFAB™**  
BEYOND DIMENSIONS

### WORKHORSE

[www.3dprotofab.com](http://www.3dprotofab.com)

#### TOP QUALITY COMPONENTS

Inside the solid steel frame sits the highly stable granite reinforced printing platform with an aerospace-grade aluminum Z-axis module which minimizes vibration and maximizes precision. Superior components and fine workmanship make the SLA800 an indispensable workhorse.

#### LARGE INDUSTRIAL GRADE BUILDING CAPACITY

The SLA800 fabricates functional and challenging prototypes up to 800 x 800 x 550 mm in size, eliminating the need for connection links.

#### TRUE TO CAD ACCURACY AND SURFACE FINISH

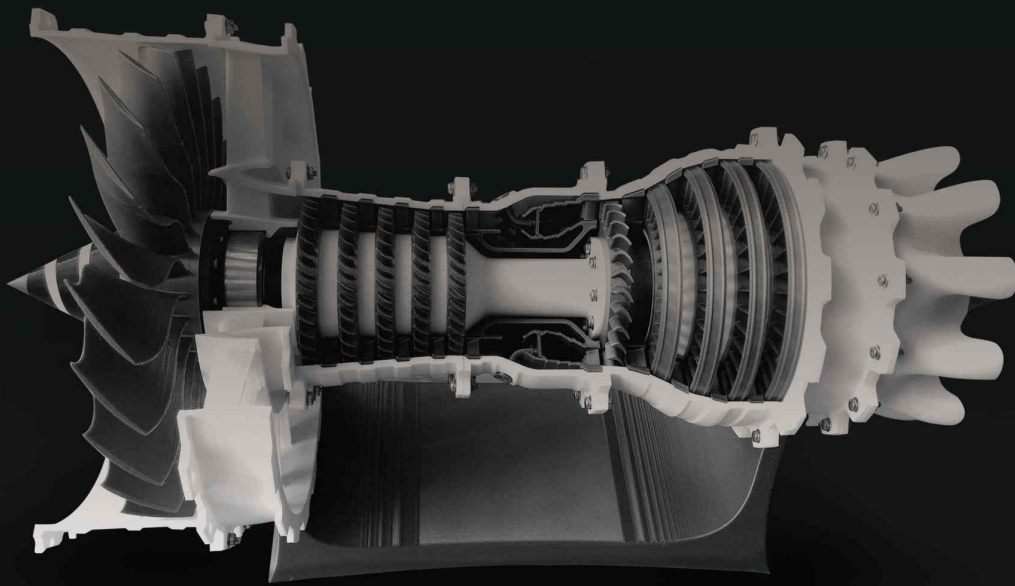
Equipped with fast and intuitive printer interface software, and a galvanometer optical system by ScanLab Germany, the SLA800 displays top scanning speeds and enhances production efficiency significantly. Surface roughness as low as 0.05  $\mu\text{m}$  makes post-processing simple and efficient.

#### WIDE CHOICE OF MATERIALS

A selection of over 10 different custom-designed printing materials with unique characteristics for functional prototypes and low-volume manufacturing.

#### 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.



# SLA800-DLC TECHNICAL DATA SHEET

Model	SLA800A-DLC	SLA800B-DLC
Build Size (xyz) <sup>1</sup>	800 x 800 x 550 mm (31.50 x 31.50 x 21.65 in) (Optional)	800 x 800 x 550 mm (31.50 x 31.50 x 21.65 in)
Printing Speed	60 - 180 g/h (Single Scanner)	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): ±0.15 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 <sub>4</sub>	
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	1830 x 1300 x 2060 mm (72.05 x 51.18 x 81.10 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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