

# STEREOLITHOGRAPHY 3D PRINTER

## SLA600B-DLC



**PROTOFAB™**  
BEYOND DIMENSIONS

### KING OF COST

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

#### HIGH QUALITY IMPORTANT COMPONENTS

The core components (laser controller, SERVO System) are selected from well-known brands all over the world, effectively supporting and ensuring the high reliability for the overall operation of the equipment.

#### SUPER HIGH VALUE WITH COMPETITIVE PRICE

This equipment is our independent research and development. It is low cost but high quality which can be called "Kind of cost"

#### HIGH SPEED, WELL PRECISION, GOOD QUALITY

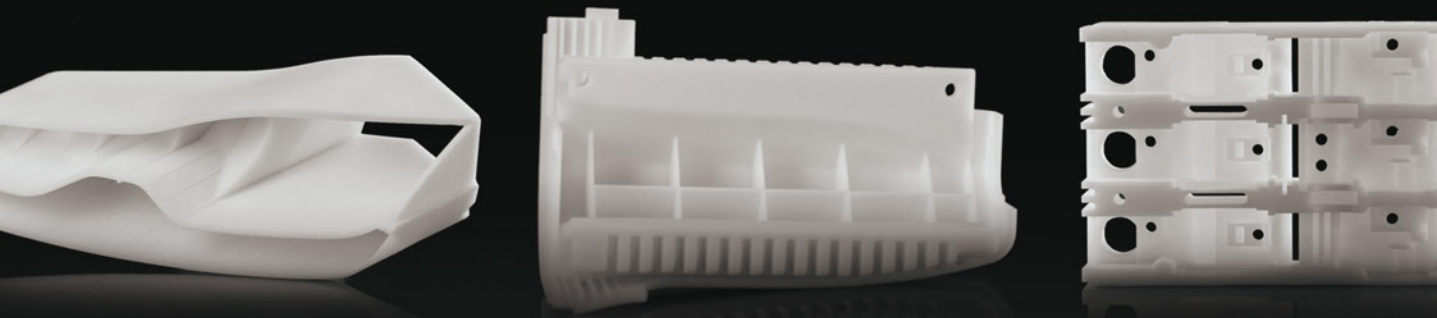
German original high-speed scanner, greatly increase production efficiency. the size up to 600mm x 600mm x 400mm, minimum layer thickness up to 0.05mm, surface roughness is only 0.05 $\mu$ m, well precision, smooth surface, easy to do all kinds of post-processing.

#### MULTIPLE RESINS

Offering a wide range of resins, different resin can meet different customer and industries requirement.

#### PERSONALIZED CUSTOMIZATION

DLC scanning system, automatic door, automatic feeding, automatic environmental sensing, remote control and other functions support customization to meet the needs of industrial 4.0 requirement.



## SLA600B-DLC TECHNICAL DATA SHEET

|                               |   |  |
|-------------------------------|---|--|
| Build Size (xyz) <sup>1</sup> | 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):<br>±0.1 mm (±0.004 in)   | Part Size ≥ 100 mm(3.9 in):<br>±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: the diameter of fixed spot: 0.08mm-0.15m<br>the diameter of variable spot: Small spot: 0.08mm-0.15m; Large spot: 0.45mm |  |
| Operating Software            | Sirius Intelligent Printing Control Software<br>Linux / Windows (Optional)  |  |
| CAD Interface                 | STL,CTL,OBJ,PLY,ZPR,ZBD,AMF,WRL,3DS,<br>FBX,MJPDDD,3DPRINT,BFF,IGES,IGS,STEP and STP  |  |
| Machine Size W x D x H        | 1150 x 1370 x 1940 mm (45.28 x 53.94 x 76.38 in)  |  |
| Ambient Temperature           | 22 - 25°C (71.6 - 77°F)   |  |
| Relative Humidity             | Less than 40%   |  |
| Power Requirements            | 200 - 240 VAC 50 / 60 Hz 16A<br>(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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