# STEREOLITHOGRAPHY 3D PRINTER SLA1100-DLC



**ProtoFab-DLC**

**SLA1100**

**PROTOFAB™**
BEYOND DIMENSIONS

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## GAMECHANGER

### EXTRAORDINARY PRINTING SPEED

We value your time; the SLA1100 is equipped with two lasers and two Scanners to give you double the efficiency of conventional printers, greatly reducing processing time and costs and enabling customized production of very large prototype models.

### EXTRA LARGE INDUSTRIAL GRADE BUILDING CAPACITY

The SLA1100 fabricates functional prototypes of even the most challenging parts in dimensions of up to 1100 x 600 x 550 mm or 1100 x 800 x 800 mm, eliminating the need for connection links. The GameChanger pushes productivity and flexibility to a completely new level, satisfying the needs for any industry, especially in the automotive and aerospace sectors.

### TOP QUALITY COMPONENTS

Inside the solid steel frame sits a highly stable granite reinforced printing platform with aerospace grade aluminum Z-axis module which minimizes vibration and maximizes precision.

### 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.

# SLA1100-DLC TECHNICAL DATA SHEET

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|---|---|
| Build Size (xyz)1 | 1100 x 600 x 550 mm (43.31 x 23.62 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：Samll 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 | 1960 x 1700 x 2500 mm (77.17 x 66.93 x 98.43 in) |
| Ambient Temperature | 22 - 25ºC (71.6 - 77°F) |
| Relative Humidity | Less than 40% |
| Power Requirements | 200 - 240 VAC 50 / 60 Hz 16A (Available according to local voltage standard) |

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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.

## ProtoFab™
### BEYOND DIMENSIONS