MAGFORMS

Magforms SLA 3D Printer Technical Specifications

PRINTER PROPERTIES

3D Printer	Lab 300
3D Printer Size Crated (WxDxH)	
3D Printer Size Uncrated (WxDxH)	Without monitor and LED light: 774 × 1035 × 1884 mm (30.5 × 41.8 × 74.2 in) With monitor and LED light: 1424 × 1035 × 2121 mm (56.1 × 41.8 × 83.5 in)
3D Printer Weight Crated	
3D Printer Weight Uncrated	620kg 1433 lbs
Electrical Requirements	220-240 VAC 50/60 Hz Single Phase 2.3 kW
Operating Temperature Range	22-26 °C 71.6-78.8 °F
Humidity Range	35-45 %RH Non-condensing
Laser	Solid-state frequency tripled Nd:YVO4
Recoater Rim	Marble
Accessories	Drain Device Post Curing Apparatus

PRINTING SPECIFICATIONS

3D Printer	Lab 300
Max Build Volume (xyz)	Flexible build volume options with cust omized resin vat.
Full	300 × 300 × 300 mm (11.8 × 11.8 × 11.8 in); 44.8 l (11.8 U.S. gal)
Custom	The height of the resin vat is customized(less than full height).
Resin Vat Capacity	~52 kg (114.6 lbs)
Accuracy	L ⩽ 100 mm : ± 0.1 mm (L ⩽ 3.94 in : ± 0.004 in) ; L > 100 mm : ± 0.1% × L (L > 3.94 in : ± 0.1% × L) *Accuracy may vary depending onparameters, part geometry and size, pre-processing or post-processing methods, materialsand environment.
Slicing Thickness	0.05-0.15 mm (0.002-0.006 in)
Intelligent Scanning Strategy	Stationary Laser Beam Spot
XY Resolution	0.055 mm (0.002 in) *XY resolution describes image grayscale adjust.
Feature/Outer Surface Scanning	0.18-0.2 mm (0.007-0.008 in)

MATERIALS

Build Materials	Please refer to the TDS and MSDS for mor e information for the printing mat erial.
Material Packaging	10 kg per barrel

SOFTWARE AND NETWORK

3D Printer Software	Magforms iBuild 2.0
Printer Operating System	Windows® 10
Input Data File Formats Supported	SLC,CLI