

Stereolithography Printers

ProJet® 6000 HD

ProJet® 7000 HD

ProX® 800

ProX® 950

PRINTER PROPERTIES

3D Printer Size Crated (WxDxH)	1676 x 889 x 2006 mm (66 x 35 x 79 in)	1860 x 982 x 2070 mm (73.5 x 38.5 x 81.5 in)	190 x 163 x 248 cm (75 x 64 x 98 in)	242 x 173 x 254 cm (95 x 68 x 100 in)
3D Printer Size Uncrated (WxDxH)	787 x 737 x 1829 mm (31 x 29 x 72 in)	984 x 854 x 1829 mm (39.0 x 34.0 x 72 in)	137 x 160 x 226 cm (50 x 63 x 89 in)	220 x 160 x 226 cm (87 x 63 x 89 in)
3D Printer Weight Crated (not incl. MDM)	272 kg (600 lb)	363 kg (800 lb)	1134 kg (2500 lbs)	1951 kg (4300 lbs)
3D Printer Weight Uncrated (not incl. MDM)	181 kg (400 lb)	272 kg (600 lb)	907 kg (2000 lbs)	1724 kg (3800 lbs)
Electrical Requirements	100-240 VAC, 50/60 Hz, single-phase, 750 W	100-240 VAC, 50/60 Hz, single-phase, 750 W	200-240 VAC 50/60 Hz, single-phase, 30 amps	200-240 VAC 50/60 Hz, single-phase, 50 amps
Operating Temperature Range	18-28 °C (64-82 °F)	18-28 °C (64-82 °F)	20-26 °C (68-79 °F)	20-26 °C (68-79 °F)
Noise	< 65 dBA estimated	< 65 dBA estimated	Not to exceed 70 dBA	Not to exceed 70 dBA
Interchangeable Material Deliverable Modules (MDMs) with Integrated Elevator and Removable Applicator	Additional MDM (3 sizes)	Additional MDM (2 sizes)	Additional MDM (3 sizes)	Additional MDM (1 size)
Accessories	ProCure™ 350 UV Finisher Parts Washer Right Height Table	ProCure™ 350 UV Finisher	Manual O翻oad Cart ProCure™ 750 UV Finisher	Manual O翻oad Cart ProCure™ 1500 UV Finisher

PRINTING SPECIFICATIONS

Max Build Volume (xyz)¹	Flexible build volume options with interchangeable material delivery modules (MDM)			
Full	250 x 250 x 250 mm (10 x 10 x 10 in) 40 l (10.6 U.S. gal)	380 x 380 x 250 mm (15 x 15 x 10 in) 84 l (22.2 U.S. gal)	650 x 750 x 550 mm (25.6 x 29.5 x 21.65 in); 414 l (109.3 U.S. gal)	1500 x 750 x 550 mm (59 x 30 x 22 in); 935 l (247 U.S. gal)
Half	250 x 250 x 125 mm (10 x 10 x 5 in) 5.8 U.S. gal (22 l)	N/A	650 x 750 x 275 mm (25.6 x 29.5 x 10.8 in); 272 l (71.9 U.S. gal)	N/A
Short	250 x 250 x 50 mm (10 x 10 x 2 in) 24 l (6.3 U.S. gal)	380 x 380 x 50 mm (15 x 15 x 2 in) 32 l (8.5 U.S. gal)	650 x 750 x 50 mm (25.6 x 29.5 x 1.97 in); 95 l (25.09 U.S. gal)	N/A
Max Part Weight	9.6 kg (21.1 lb)	21.6 kg (47.6 lb)	75 kg (165 lbs)	150 kg (330 lbs)
Max Resolution ²	4000 DPI	4000 DPI	4000 DPI	4000 DPI
Accuracy	0.025-0.05 mm per 25.4 mm (0.001-0.002 inch per inch) of part dimension Accuracy may vary depending on build parameters, part geometry and size, part orientation and post-processing methods.			
Intelligent Scanning Strategy	Automated in build dual mode speeds on each layer: Fine point scanning for small features and external surfaces, broader scanning for larger features and internal surfaces.			
Fine Feature/Outer Surface Scanning	Down to 75 µm (0.003 in)	Down to 75 µm (0.003 in)	125 µm (0.005 in)	125 µm (0.005 in)
Larger Feature/Internal Surface Scanning	750 µm (0.030 in)	750 µm (0.030 in)	750 µm (0.030 in)	750 µm (0.030 in)

MATERIALS

Build Materials	See material selector guide and individual material datasheets for specifications on available materials.	
Material Packaging	2L click-in cartridges for hands-free, drip-free automated refill process	10 kg click-in cartridges for hands-free, drip-free automated refill process

SOFTWARE AND NETWORK

SLA Printer Interface Software (also referred to as printer control code)	Fast and intuitive printer interface software with advanced capabilities to maximize machine utilization. Use advanced tools to restart any build and edit recoating parameters on the fly to ensure a successful build.	
3D Sprint® Software	Prepares and optimizes design file data, and manages the additive manufacturing process on plastic 3D printers.	
3D Sprint Software and Hardware Requirements	Windows 10 (64-bit), U Intel® or AMD® processor with a minimum of 2.0GHz, 4 GB RAM, 7GB of available hard-disk space, OpenGL 2.1 and GLSL 1.20 enabled graphics card, 1280x960 screen resolution, Graphics card: Intel HD or Iris (HD 4000 or newer), or Nvidia GeForce GTX 285, Quadro 1000 or newer, or AMD Radeon HD 6450 or newer Internet Explorer 9 or newer Microsoft .NET Framework 4.6.1 (installed with application)	
3D Connect™ Capable	3D Connect Service provides a secure cloud-based connection to 3D Systems service teams for support.	
Printer Network Compatibility	Network ready with 10/100 Ethernet interface 4MB, USB port	Ethernet, IEEE 802.3 using TCP/IP and NFS, USB port
Printer Operating System	Windows® 7	Windows® 10
Input Data File Formats Supported	STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, MJPDDD, 3DPRINT, BFF, IGES, IGS, STEP, STP, SLI	

¹ Maximum part size is dependent on geometry, among other factors.

² Equivalent DPI based on laser spot location resolution of 0.00635 mm in 3D Systems' testing.

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