

Technical Data Systems



SLA Production 3D Printers

ProX™ 950

SteadPower™ Imager	Type	Solid-state frequency tripled Nd: YVO ₄
	Wavelength	354.7 nm
	Power (nominal) - at head	1450mW (1000mW at resin surface under nominal optical path condition)
	Laser Warranty	10,000 hours or 18 months (whichever comes first), replacement at 800mW
Zephyr™ Recoating System	Process	Removable blade
	Adjustment	Self-leveling; self-correcting
	Layer Thickness	Minimum - 0.05 mm (0.002 in); Maximum - 0.15 mm (0.006 in)
ProScan™ Scanning System	Border spot (diameter @ 1/e ²)	Standard mode nominal 0.13 mm (0.005 in)
	Large hatch spot	Nominal 0.76 mm (0.030 in)
	Maximum part drawing speed*	
	Border spot	3.5 m/sec (150 ips)
	Large Hatch Spot	25 m/sec (1000 ips)
Build Envelope Capacity	RDM 950 (Prox950)	1500 x 750 x 550 mm (59 x 30 x 22 in)
	Maximum Part Weight	150 kg (330 lbs)
Electrical Requirement		200 - 240 VAC 50/60 Hz, single-phase, 50 amps
Operating Environment	Operating Temperature Range	20 - 26 °C (68 - 79°F)
	Maximum change rate	1°C/hour (1.8 °F/hour)
Space Requirement	Outer 3D Printer Dimension	220 x 160 x 226 cm (86.6 x 63 x 89 in)
	Weight 3D Printer	2404 kg (5300 lbs)
Accessories	Platform change carts	Manual Offload Cart Optional
	Processing & Finishing	ProCure™ 1500 UV Finisher
	System Warranty	One year warranty, under 3D Systems Purchase Terms and Conditions.
Control System & Software	Operating System	Windows® 7, Windows® 8
	Input data file format	.STL, .SLC
	Network type and protocol	Ethernet, IEEE 802.3 using TCP/IP and NFS

