iPro™ 8000 & 9000

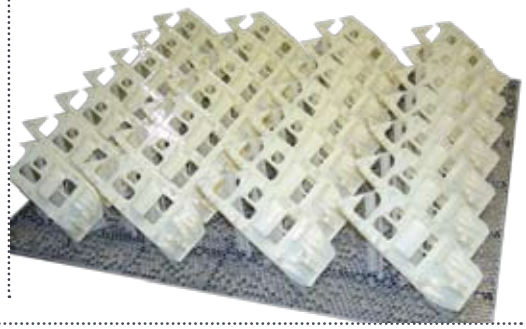
SLA® Precision Centers

SLA® from the Inventors Redefining High Definition

PRODUCE WITH CONFIDENCE.

The iPro™ 8000 SLA® Center is a high-productivity, mid-range system that quickly and economically builds parts with unprecedented surface smoothness, feature resolution, edge definition and tolerances that rival the accuracy of CNC-machined parts.

The highly productive iPro™ 9000 SLA® Center enables users to economically produce hundreds of finely featured or a few extra large plastic parts.



For more information about 3D Systems' iPro™ SLA® Precision Centers, visit www.3dsystems.com

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iPro™
SLA® Precision Centers

Extend Innovation. Extend Production. Extend Choices.

	iPro™ 8000	iPro™ 9000	iPro™ 9000 XL
SteadyPower™ Imager			
Type	Solid-state frequency tripled Nd: YVO_4	Solid-state frequency tripled Nd: YVO_4	Solid-state frequency tripled Nd: YVO_4
Wavelength	354.7 nm	354.7 nm	354.7 nm
Power (nominal) - at head	1450 mW (1000 mW 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	Removable blade	Removable blade
Adjustment	Self-leveling; self-correcting	Self-leveling; self correcting	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/e2)	Standard mode nominal 0.13 mm (0.005 in)		
Large hatch spot	Nominal 0.76 mm (0.030 in)	Nominal 0.76 mm (0.030 in)	Nominal 0.76 mm (0.030 in)
Maximum part drawing speed*			
Border spot	3.5 m/sec (140 ips)	3.5 m/sec (140 ips)	3.5 m/sec (140 ips)
Large Hatch Spot	25 m/sec (1000 ips)	25 m/sec (1000 ips)	25 m/sec (1000 ips)
Build Evelope Capacity			
	Intergchangeable Quick change RDMs with integrated elevator and recoater blade		
RDM 650M	650 x 350 x 300 mm (25.6 x 13.7 x 11.8 in); 148 l (39.1 U.S. gal)		
RDM 750SH	650 x 750 x 50 mm (25.6 x 29.5 x 1.97 in); 95 l (25.09 U.S. gal)		
RDM 750H	650 x 750 x 275 mm (25.6 x 29.5 x 10.8 in); 272 l (71.86 U.S. gal)		
RDM 750F	650 x 750 x 550 mm (25.6 x 29.5 x 21.65 in); 414 l (109.3 U.S. gal)		
RDM 1500XL (iPro™ 9000 XL)	n/a	n/a	1500 x 750 x 550 mm (59 x 30 x 22)
Maximum Part Weight	75 kg (165 lbs)	75 kg (165 lbs)	150kg (330 lbs)
	Resin Delivery Modules (RDMs), Size Options show maximum build envelope capacity (WxDxH); then fill volume		
Electrical Requirements			
With singled RDM	200 - 240 VAC 50/60 Hz, single-phase, 30 amps		
With dual RDM	200 - 240 VAC 50/60 Hz, single-phase, 50 amps		
Operating Environment**			
Temperature range	20 - 26 °C (68 - 79°F)	20 - 26 °C (68 - 79°F)	20 - 26 °C (68 - 79°F)
Maximum change rate	1°C/hour (1.8 °F/hour)	1°C/hour (1.8 °F/hour)	1°C/hour (1.8 °F/hour)
Relative humidity	20 - 50 % non-condensing	20 - 50 % non-condensing	20 - 50 % non-condensing
Space Requirements			
Size (WxDxH), Uncrated	126 x 220 x 228 cm (50 x 86 x 89 in)	212 x 220 x 228 cm (83.3 x 62 x 89 in)	212 x 220 x 228 cm (83.3 x 62 x 89 in)
Weight, Crated no RDM module	1590 kg (3500 lbs)	2404 kg (5300 lbs)	2404 kg (5300 lbs)
Accessories			
Four interchangeable RDMs	4 options (see Capacity section)	4 options (see Capacity section)	5 options (see Capacity section)
Platform change carts	Manual Offload Cart optional	Manual Offload Cart optional	Manual Offload Cart optional
Processing & Finishing	ProCure™ 750 UV Finisher	ProCure™ 750 UV Finisher	ProCure™ 750 UV Finisher
System Warranty	One year warranty, under 3D Systems Purchase Terms and Conditions.		
Control System & Software			
Software Tools	3DPrint™ Controller Software		3DManage™ Part Preparation Software
Operating System	Windows XP Professional (SP2)		Windows XP Professional (SP2) or Vista
Input data file format			.stl, .slc
Network type and protocol	Ethernet, IEEE 802.3 using TCP/IP and NFS		

*Dependent upon part geometry, build parameters and SL material selection. Standards and Regulations: This SLA® Center conforms to Federal Laser Product Performance Standards 21CFR1040.10 Class I laser in normal operation. During field service emission levels can correspond to Class IV laser product.
**For detailed recommendation, refer to 3D Systems' iPro™ 9000 Facility Requirements Guide (FRG)

www.3dsystems.com

333 Three D Systems Circle
Rock Hill, SC 29730 USA
Telephone +1(803) 326-4080
TollFree (800) 889-2964

PN 70754 Issue Date October 2010