

High Definition SLS®
Quality and Versatility

PRODUCE WITH CONFIDENCE.

The sPro™ 140 and 230 SLS® Centers deliver best-in-class speed, part quality and accuracy for the most demanding functional prototyping and end-use applications. With integrated powder delivery/recycling, part-building and finishing capability, the sPro™ Centers are complete Rapid Manufacturing systems.



For more information about 3D Systems' sPro™ SLS® Production Centers,
visit www.3dsystems.com



3DSYSTEMS™



sPro 60 SD

sPro 60 HD Base

sPro 60 HD-HS

Specifications

Build Envelope Capacity (XYZ)	----- 381 x 330 x 457 mm (15 x 13 x 18 in), 57.5 l (15.2 U.S. gal) -----		
Powder Layout	----- Precision Counter Rotating Roller -----		
Layer Thickness Range (typical)	----- Min 0.08 mm (0.003 in); Max 0.15 mm ----- (0.006 in), (0.1 mm, 0.004 in)	-----	----- Min 0.08 mm (0.003 in); Max 0.15 mm, ----- (0.006 in), (0.1 & 0.12mm; 0.004 & 0.0047 in)
Imaging System	High Torque Scanning Motors (analog)	ProScan™ CX (digital)	ProScan™ DX Dual Mode High Speed (digital)
Scanning Speed (actual)	5 m/s (240 in/s)	6 m/s (200 IPS)	6 m/s and 12 m/s (240 in/s and 480 in/s)
Laser Power/Type	30W / CO2	30W / CO2	70W / CO2
Volume Build Rate*	0.9L/hr	1.0 L/hr (60 cu in/hr)	1.8 L/hr (110 cu in/hr)

Electrical Requirements

System	----- 240V/12.5kVA, 50/60Hz, 3-phase (System) -----
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System Warranty

----- One year warranty, under 3D Systems Purchase Terms and Conditions -----

sPro 140 Base

sPro 140 HS

sPro 230 Base

sPro 230 HS

Specifications

Build Envelope Capacity (XYZ)	550 x 550 x 460 mm (22 x 22 x 18 in), 139 l (8,500 cu in)	550 x 550 x 750 mm (22 x 22 x 30 in), 227 l (13,900 cu in)		
Powder Layout	----- Precision Counter Rotating Roller -----			
Layer Thickness Range (typical)	----- Min 0.08 mm (0.003 in); Max 0.15 mm (0.006 in), (0.1 mm, 0.004 in) -----			
Imaging System	ProScan™ Standard Digital Imaging System	ProScan™GX Dual Mode High Speed Digital Imaging System	ProScan™ Standard Digital Imaging System	ProScan™GX Dual Mode High Speed Digital Imaging System
Scanning Speed (actual)	10 m/s (400 in/s)	15 m/s (400 in/s) (600 and 400 in/s)	10 m/s (400 in/s)	15 m/s (400 in/s) (600 and 400 in/s)
Laser Power/Type	70W / CO2	200W / CO2	70W / CO2	200W / CO2
Volume Build Rate*	3.0 L/hr (185 cu in/hr)	5.0 L/hr (300 cu in/hr)	3.0 L/hr (185 cu in/hr)	5.0 L/hr (300 cu in/hr)

Electrical Requirements

System	----- 208V/17 KVA, 50/60Hz, 3-phase (System) -----
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System Warranty

----- One year warranty, under 3D Systems Purchase Terms and Conditions -----

Standard Features

System Control & Part Preparation Software - LS4.4 Sinter/BuildSetUp Software featuring part Add/Delete on-the-fly for flexibility, SinterScan Module for high accuracy and part consistency, and Build Time Estimator.

Other options

RemoteNotify™ Software Module - automatically sends emails upon machine status change including build height, part completion, alarms, etc.
RealMonitor & Graphic Viewer-Advanced Software - Logs laser, heater, and sensor data during build and allows for export to a database for statistical process control.

www.3dsystems.com

