SLA® Production Series

Production 3D Printers

Genuine SLA for the ultimate in speed, accuracy and operating economics

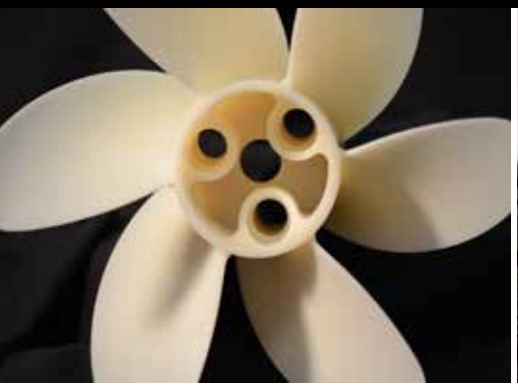
3D Systems, the inventor of Stereolithography, brings you legendary SLA® precision in production 3D printers fine-tuned for cost-efficiency and unrivaled material availability.

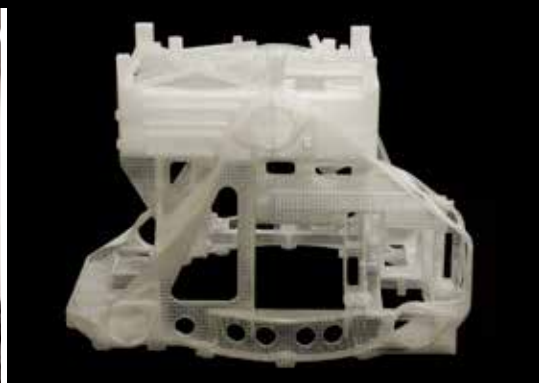
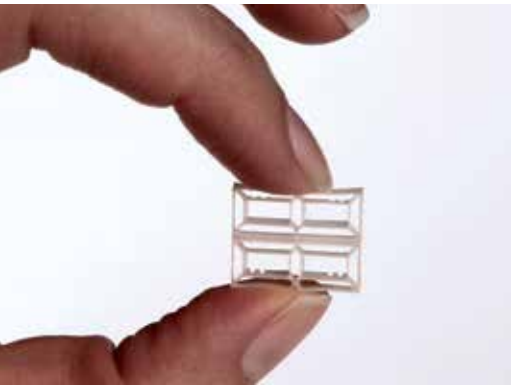
These advanced 3D printers produce exact plastic parts without the restrictions of CNC or injection molding. In addition to prototypes and end-use parts, ProX SLA printers create casting patterns, rapid tooling and fixtures. With speed, accuracy and surface quality of this level, you can produce low- to medium-run parts at a lower per-unit cost and build massive, highly detailed pieces faster.

MANUFACTURING*THE* FUTURE

www.3dsystems.com

Advance your part manufacturing workflow



Dozens of high-quality materials to choose from.

A range of SLA® 3D printers to fit your exact requirements

ProX™ 800 and ProX™ 950 SLA printers build parts with outstanding surface smoothness, feature resolution, edge definition and tolerances. Offering the broadest range of materials among all 3D printers, they are also highly efficient, with minimal waste. Combined with their exceptional productivity and reliability, it's no wonder that 3D Systems SLA printers dominate among professional service bureaus. Models come in the following build volumes:

ProX 800 SLA Printer: Flexible, economical high-accuracy printer for manufacturing plastic parts at high speed.

- 650 x 750 x 50 mm (25.6 x 29.5 x 1.97 in)
- 650 x 750 x 275 mm (25.6 x 29.5 x 10.8 in)
- 650 x 750 x 550 mm (25.6 x 29.5 x 21.65 in)
- Production speed for your production runs
- Lower cost of ownership due to extended laser life
- Choose between various build platform sizes to optimize your production process

ProX 950 SLA Printer: Largest production 3D printer for manufacturing huge parts with highest detail, accuracy and edge definition at an amazing speed.

- 1500 x 750 x 550 mm (59 x 29.5 x 21.65 in)
- Two lasers work simultaneously
- Industry-leading speed - Print a full size dashboard in days not weeks
- Huge parts with highest detail, accuracy and edge definition in 3D printing
- No seams - Single-part durability

Other Features include:

- One-year warranty
- Controlled by Print3D Pro software for optimal operations and expertly integrated system elements, sophisticated systems sequencing and real-time controls and monitoring

Applications:

3D Systems SLA 3D printers enable manufacturers and engineers in a variety of industries to swiftly integrate new manufacturing processes and produce the parts they need more efficiently.

- **Aerospace**
- **Medical devices**
- **Manufacturing master patterns**
- **Automotive**
- **Electronics**
- **Orthodontics and dental**
- **Turbine production**
- **Consumer goods**
- **Consumer electronics**
- **Sporting goods**
- **Packaging**

Material Spotlight:

Accura® Xtreme – Tough grey plastic to replace CNC-machined polypropylene and ABS articles.

Accura® CeraMax™ Composite – Composite material for manufacturing stable, high-stiffness and abrasion resistant parts.

Accura® Peak – Stiff plastic material for heat-resistant components.

Accura® CastPro – Highly accurate material for stable investment casting patterns using QuickCast™ technology.

Accura® ClearVue – High clarity plastic for a multitude of applications.

Accura® Xtreme™ White 200 – Ultra tough white plastic to replace CNC machined polypropylene and ABS articles.

Accura® 25 – Flexible plastic to simulate and replace CNC machined white polypropylene articles.

Visit www.3dsystems.com for more materials.

3D Systems SLA production printers transform the process of creating casting patterns, molds, end-use parts and functional prototypes.

- Develop and produce products without the hefty cost and time of CNC machining or injection molding.
- Reduce per-unit costs on low- to medium-sized runs.
- Match your exact mechanical and optical specifications with the broadest range of materials available.
- Cut finishing time and enjoy the best surface quality available from any 3D printer.
- Identify design flaws early with true-to-design accuracy and surface finish.
- Produce large, whole parts and cut both the time required for assembly and part weakness associated with attachment points.
- Streamline the path from CAD or scan to final part production.

Print XL Parts

Printing length up to 1500mm

SLA® Production Series

Production 3D Printers

Extend Innovation. Extend Production. Extend Choices.

ProX 800

ProX 950

Net Build Volume (xyz)		
Full	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	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	650 x 750 x 50 mm (25.6 x 29.5 x 21.97 in); 95 l (25.09 U.S. gal)	n/a
Max Part Weight	75 kg (165 lbs)	150 kg (330 lbs)
Resolution	0.00127 mm (0.0005 in) laser spot location resolution	
Accuracy	0.025-0.05 mm (0.001-0.002 in) per inch of part dimension Accuracy may vary depending on build parameters, part geometry and size, part orientation and post-processing methods	
Materials	Builds with broadest range of 3D printing materials with exceptional mechanical properties. See www.3dsystems.com for available materials.	
Material Packaging	Material in clean, no-drip 10 kg cartridges. System auto fills print tray between builds.	
Electrical Requirements	200 - 240 VAC 50/60 Hz, single-phase, 30 amps	200 - 240 VAC 50/60 Hz, single-phase, 50 amps
Dimensions		
3D Printer Crated	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 Uncrated	137 x 160 x 226 cm (50 x 63 x 89 in)	220 x 160 x 226 cm (87 x 63 x 89 in)
Weight		
3D Printer Crated	1134 kg (2500 lbs)	1724 kg (3800 lbs)
3D Printer Uncrated	1724 kg (3800 lbs) not including MDM	1951 kg (4300 lbs) not including MDM
Print3DPro and 3DManage™ Software	Easy build job set-up, submission and job queue management Automatic part placement and build optimization tools Part stacking and nesting capability Extensive part editing tools Automatic support generation Job statistics reporting	
Network Compatibility	Ethernet, IEEE 802.3 using TCP/IP and NFS	
3D Manage Hardware Recommendation	I5, 2.3 GHz with 8 GB RAM (Open GL support 1GB video RAM)	
Software Operating System	Windows® 7 and newer	
Input Data File Formats Supported	.STL and .SLC	
Operating Temperature Range	68-79 °F (20-26 °C)	
Noise	Not to exceed 70 dBA	
Accessories	Interchangeable quick change Material Deliverable Modules (MDMs) with integrated elevator and removable applicator Manual offload cart ProCure™ 750 or 1500 UV Finisher	

* Dependent upon part geometry, build parameters and SL material selection.
** For detailed recommendation, refer to 3D Systems' ProX 800 and ProX 950 Facility Requirements Guide (FRG).

Standards and Regulations: This SLA® Centre 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.

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