



Stereolithography Printers

Prototypes, tools and production parts
with ProJet® and ProX® SLA 3D printers



The Original, and Most Accurate, 3D Printing Technology, Fine Tuned for Even Greater Speed and Reliability

3D Systems, the inventor of Stereolithography (SLA), brings you legendary precision in 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, these 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 cost per unit, and build massive, highly-detailed pieces faster.

UNRIVALED ACCURACY AND PRECISION

True-to-CAD accuracy and surface finish.

24/7 UTILIZATION

Get the highest productivity possible with the fastest print technology for large and production runs. Swappable material delivery modules keep machines running to advance your part manufacturing workflow.

DOZENS OF ENGINEERED PLASTIC MATERIALS

Get the mechanical specifications you need with a wide variety of differentiated materials.

PRODUCTION QUALITY

High strength and good dimensional stability.



Print extra large parts with lengths up to 1500 mm, like a car dashboard

SLA IS IDEAL FOR:

- Aerospace
- Medical devices
- Precision casting
- Automotive
- Electronics
- Orthodontics and dental
- Turbine production
- Consumer goods
- Packaging
- Rapid tooling
- Assembly jigs and fixtures
- Wind tunnel models

ProJet® 6000 & 7000

Step up to the gold standard in 3D printing with genuine SLA

The ProJet 6000 offers all the benefits of SLA in a smaller footprint, so you can print with fine feature detail in a wide choice of performance-engineered materials that match or exceed traditional plastic properties.

The ProJet 7000 offers the same SLA benefits of the ProJet 6000, with more than double the build volume so you can print even larger parts for prototyping, rapid tooling and end use with fine-feature detail.



Microfluidic mixers printed in Accura® 25



Electrical connector prototypes printed in Accura Xtreme™ White 200



QuickCast® pattern in Accura ClearVue, and aluminum casting

FLEXIBLE THROUGHPUT

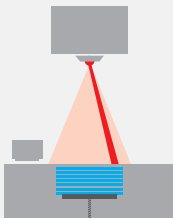
With flexible build volume options and easily swappable material delivery modules, print exactly what you need, exactly when you need it.

ACCURATE, PRECISE DETAIL

Print parts with crisply defined features and precise geometries, so you can evaluate physical models of design concepts in their nearly finished state.

EXCEPTIONAL PART QUALITY

Whether you need the clearest clear, the smoothest surfaces, or the best dimensional stability over your entire part, getting the exceptional part quality of 3D Systems SLA is more economical than ever.



EXCEPTIONAL RESOLUTION

All 3D Systems SLA printers use precision mirror-driven lasers that can place a laser spot with a location resolution of 6.35 μm on the print surface, which is equivalent to an incredible 4000 DPI.

ProX® 800 & 950

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

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 are the #1 choice of professional service bureaus.

TRULY PRODUCTION-READY

More than 20 million products are manufactured every year on 3D Systems SLA printers. Develop and deliver products without the cost and time of CNC machining or injection molding.

THINK BIG, PRINT BIG

Produce large, whole parts and cut assembly time and part weakness at attachment points.

COMPELLING ECONOMICS

Benefit from part costs as much as 25x lower than other precision 3D printing technologies.



Electronic housing prototype printed in Accura Xtreme™



Helmet model printed in Accura Xtreme White 200

FROM MICRO TO MACRO

SLA printers are able to print highly detailed, tiny parts just a few mm in size, all the way up to 1.5 m long parts—all at the same exceptional resolution and accuracy. Even large parts remain highly accurate from end-to-end, with virtually no part shrinkage or warping.



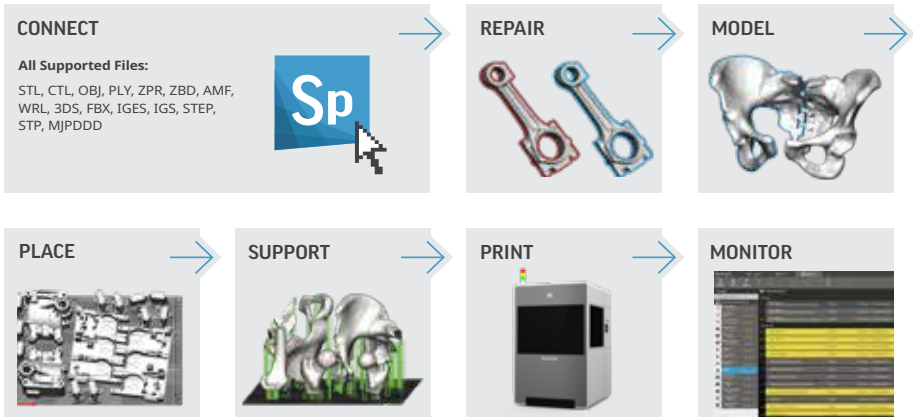
Toy prototype printed in Accura® ABS Black

Sp 3D Sprint®

An end-to-end software solution for SLA workflows

3D Sprint's intelligent geometry processing converts 3D CAD models into higher fidelity 2D slices for printing compared to standard slicing, which means your parts are more accurate, with smoother surfaces and better feature definition.

3D Sprint automatically generates exceptionally efficient supports requiring far less material, which can lead to savings of tens or even hundreds of dollars per part.



Material Spotlight

SLA materials are the industry's gold standard for accuracy, providing excellent resolution, surface finish and dimensional tolerances.

TOUGH, DURABLE POLYPROPYLENE-LIKE

Excellent for general purpose prototyping and production for most applications, including snap fit.

- Accura 25
- Accura PP White
- Accura Xtreme
- Accura Xtreme White 200

CLEAR AND CASTABLE

Exceptional clarity makes SLA ideal for printing bottles, light covers, housings, sacrificial patterns and more.

- Accura ClearVue Free
- Accura ClearVue
- Accura 60
- Accura CastPro
- Accura CastPro Free

ABS-LIKE

Rigid plastics offering similar aesthetics and properties to injection-molded ABS.

- Accura 55
- Accura ABS White
- Accura ABS Black

HIGH TEMPERATURE AND COMPOSITE MATERIALS

With heat deflection temperatures ranging from 65° C to over 215° C, these materials offer exceptional performance under extreme conditions.

- Accura 48 HTR
- Accura 5530
- Accura PEAK
- Accura HPC
- Accura Phoenix
- Accura CeraMAX
- Accura Bluestone

	Projet 6000	Projet 7000	ProX 800	ProX 950
Max Build Envelope Capacity (W x D x H)	10 x 10 x 10 in (250 x 250 x 250 mm)	15 x 15 x 10 in (380 x 380 x 250 mm)	25.6 x 29.5 x 21.65 in (650 x 750 x 550 mm)	59 x 30 x 22 in (1500 x 750 x 550 mm)
Build Material	Accura 25 Accura 48 HTR Accura ABS Black Accura ClearVue Accura e-Stone Accura Phoenix Accura Xtreme Xtreme White 200 Accura Sapphire	Accura 25 Accura 48 HTR Accura ABS Black Accura ClearVue Accura e-Stone Accura Phoenix Accura Xtreme Xtreme White 200 Accura Sapphire	Accura 25 Accura 48 HTR Accura 55 Accura 60 Accura ABS Black Accura ABS White Accura Bluestone Accura CastPro Accura CastPro Free Accura CeraMAX Accura ClearVue Accura ClearVue Free Accura e-Stone Accura HPC Accura PEAK Accura Phoenix Accura PP White Accura SL 5530 Accura Xtreme Xtreme White 200	Accura 25 Accura 48 HTR Accura 55 Accura 60 Accura ABS Black Accura ABS White Accura CastPro Accura CastPro Free Accura ClearVue Accura ClearVue Free Accura PEAK Accura Phoenix Accura PP White Accura SL 5530 Accura Xtreme Xtreme White 200
Accuracy	————— 0.001-0.002 inch per inch (0.025-0.05 mm per 25.4 mm) of part dimension —————			
Max resolution	4000 DPI *	4000 DPI *	4000 DPI *	4000 DPI *

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

Production batch of 40 automotive interior components printed on the ProX 800.



Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, material combined with, or with end use. 3D Systems makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.



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