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 per-unit cost and build massive, highly-detailed pieces faster.

UNRIVALED ACCURACY AND PRECISION
True-to-design accuracy and surface finish.

HIGHEST PRODUCTIVITY
Advance your part manufacturing workflow. The fastest print technology for large parts and production runs. With swappable material delivery modules, get 24/7 utilization.

DOZENS OF HIGH-QUALITY MATERIALS
Get the mechanical specifications you need with a wide variety of differentiated materials.

PRODUCTION QUALITY
High strength and good dimensional stability.
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 VisiJet® 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.

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 produce products without the cost and time of CNC machining or injection molding.

THINK BIG, PRINT BIG
Produce large, whole parts and cut both the time required for assembly and part weakness associated with attachment points.

COMPELLING ECONOMICS
The ProX 800 and 950 are so efficient, part cost is up to 25x lower than other precision 3D printing technologies.

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.
Material Spotlight

Parts made from SLA materials are the industry’s “gold standard” for accuracy, providing excellent resolution, surface finish and dimensional tolerances. Accura materials run on the ProX Series, and Visijet materials run on the ProJet Series.

TOUGH, DURABLE POLYPROPYLENE-LIKE

Excellent general purpose prototyping and production materials for most applications, including snap fit.
- Accura 25
- Accura PP White
- Accura Xtreme
- Accura Xtreme White 200
- Visijet SL Flex
- Visijet SL Tough
- Visijet SL Impact

ABS-LIKE

Rigid plastics that offer similar aesthetics and properties to injection-molded ABS.
- Accura 55
- Accura ABS White
- Accura ABS Black
- Visijet SL Black

JEWELRY AND DENTAL

Specialty materials for high-quality jewelry casting, stone dental models, and biocompatible Class VI capable surgical guides.
- Accura Amethyst
- Accura Sapphire
- Accura e-Stone
- Visijet SL Jewel
- Visijet SL e-Stone

CLEAR AND CASTABLE

SLA creates the clearest 3D printed parts, making it ideal for printing bottles, light covers, housings and other items where clarity is crucial. These materials are also ideal for printing sacrificial casting patterns.
- Accura ClearVue Free
- Accura ClearVue
- Accura 60
- Accura CastPro
- Accura CastPro Free
- Visijet SL Clear

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 Phoenix
- Accura 48 HTR
- Accura 5530
- Accura PEAK
- Accura CeraMAX
- Accura Bluestone
- Visijet SL HiTemp

Print transparent, functional components and housings to see internal workings as assembled

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
### Build Material


### Accuracy

- **ProJet 6000**: 0.001-0.002 inch per inch (0.025-0.05 mm per 25.4 mm)
- **ProJet 7000**: 0.001-0.002 inch per inch (0.025-0.05 mm per 25.4 mm)
- **ProX 800**: 0.001-0.002 inch per inch (0.025-0.05 mm per 25.4 mm)
- **ProX 950**: 0.001-0.002 inch per inch (0.025-0.05 mm per 25.4 mm)

### Max Resolution

- **ProJet 6000**: 4000 DPI *
- **ProJet 7000**: 4000 DPI *
- **ProX 800**: 4000 DPI *
- **ProX 950**: 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.