Genuine SLA for the ultimate in accuracy and economy

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

These advanced 3D printers produce exact plastic and composite material parts without the restrictions of CNC or injection moulding. With 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.

www.3dsystems.com
MANUFACTURING THE FUTURE
Advance your part manufacturing workflow

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

- Develop and produce products without the hefty cost and time of CNC machining or injection moulding.
- 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.

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

iPro™ 8000 and ProX™ 950 SLA printers build parts with outstanding surface smoothness, feature resolution, edge definition and tolerances. Models come in the following build volumes:

iPro 8000 SLA Printer:
- 650 x 350 x 300 mm (25.6 x 13.7 x 11.8 in)
- 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)

ProX 950 SLA Printer:
- 1500 x 750 x 550 mm (59 x 29.5 x 21.65 in)

ProX 950
- Two lasers work simultaneously
- Amazing 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
- Material efficient - All unused material stays in the system

Other Features include:
- One-year warranty
- Controlled by 3DPrint™ or Print3D Pro software for optimal operations and expertly integrated system elements, sophisticated systems sequencing and real-time controls and monitoring

A 3D Systems SLA printer allows Brammo to create new parts from CAD design to installation in less than two weeks.
Dozens of high-quality materials to choose from.

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 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.

**Applications:**

- Aerospace
- Medical devices
- Manufacturing master patterns
- Automotive
- Electronics
- Orthodontics and dental
- Turbine production

**Print XL Parts**

Printing length up to 1500mm
## Printhead
- UV laser that solidifies photocurable material
- UV laser that solidifies photocurable material

### Printhead Type
- Steady Power
- PolyRay

### Power (nominal) - at head
1450 mW (1000 mW at material surface under nominal optical path condition)

### Laser Warranty
10,000 hours or 18 months (whichever comes first); replacement at 800 mW

### ProScan™ Scanning System
- Dual Size capable for speed and accuracy
- Dual Size capable for speed and accuracy

### Spot Sizes
0.13 mm (0.005 in) and 0.76 mm (0.030 in)
0.13 mm (0.005 in) and 0.76 mm (0.030 in)

### Maximum Part Drawing Speed*
25 m/sec (1000 ips)
25 m/sec (1000 ips)

## Material Handling System
- Interchangeable quick change Resin Delivery Modules (RDMs) with integrated elevator and removable applicator
- Interchangeable quick change Material Deliverable Modules (MDMs) with integrated elevator and removable applicator

### Net Build Volume (xyz)
- Medium: 650 x 350 x 300 mm (25.6 x 13.7 x 11.8 in); 148 l (39.1 U.S. gal) n/a
- Short: 650 x 750 x 50 mm (25.6 x 29.5 x 1.97 in); 95 l (25.09 U.S. gal) n/a
- 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
- Full: 650 x 750 x 550 mm (25.6 x 29.5 x 21.65 in); 414 l (109.3 U.S. gal) 1500x750x550 mm (59x30x22 in)

### Maximum Part Weight
- iPro 8000: 75 kg (165 lbs)
- ProX 950: 150 kg (330 lbs)

### Resolution*
- Minimum: -0.05 mm (0.002 in); Maximum: -0.15 mm (0.006 in) layers
- Minimum: -0.05 mm (0.002 in); Maximum: -0.15 mm (0.006 in) layers

## Materials
- Builds with Accura plastics and composites, broadest range of 3D printing materials. See www.3dsystems.com for available materials.

## Electrical Requirements
- 200 - 240 VAC 50/60 Hz, single-phase, 30 amps
- 200 - 240 VAC 50/60 Hz, single-phase, 50 amps

## Operating Environment**
- Temperature range: 20-26 °C (68-79 °F)
- Maximum change rate: 1 °C/hour (1.8 °F/hour)
- Relative humidity: 20-50 % non-condensing

## Space Requirements
- Size (WxDxH): 126 x 220 x 228 cm (50 x 86 x 89 in)
- Weight, crated no MDM module: 1590 kg (3500 lbs)

## Accessories
- Platform change carts: Manual offload cart optional
- Processing and finishing: ProCure™ 750 UV Finisher
- Additional Materials (MDMs): 4 size options (see Material Handling System section)

## Control System & Software
- Controller and Part Preparation Software: 3DPrint™ and 3DManage™
- Operating System 3D Print/Print3D Pro: Windows® XP Professional (SP2)
- Print3D Pro Android App: Available
- Operating System 3DManage: Windows® 7 or 8
- 3DManage Hardware Recommendation: IS, 2.3 GHz with 8 GB RAM (Open GL support 1 GB video RAM)
- Input data file format: STL and .SLC
- Network type and protocol: Ethernet, IEEE 802.3 using TCP/IP and NFS

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* Dependent upon part geometry, build parameters and SL material selection.

** For detailed recommendation, refer to 3D Systems’ iPro 8000 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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