

Stratasys Neo800 3D printer

Build large parts with superior surface quality, accuracy and detail.

Build large prototypes, rapid tooling and master patterns with a world-class industrial large-format stereolithography system.

The Neo[®]800 builds high-quality parts with superior surface quality, accuracy and detail.

Why choose the Neo800?


- Exceptional part sidewall quality: Outstanding scanning resolution reduces finishing time by up to 50%.
- Open resin system: Compatible with all commercially available 355nm SL resins, allowing freedom of material selection.
- Connected services: Stay connected and updated with the built-in camera, emailed progress reports and status updates.
- Customer-driven development: Customer suggestions and feedback are encouraged, driving user-enhanced software updates.
- Large build volume: Measuring 31.5 x 31.5 x 23.6 in. (800 x 800 x 600 mm). Build larger parts without section and bonding.
- Intuitive Titanium™ software: Easy-to-use software optimizes build time and part quality with build history, parameter detail, hardware usage and part traceability data reporting.
- Accessible support: Remote diagnostics or convenient on-site support from our exceptional service team.
- Quality assurance: The Stratasys Neo800 is carefully designed and engineered throughout, using premium components, parts and finishes.

3D Printer Specifications**

| | | |
|-------------------------|-------------------|---|
| Laser & Scanning System | Laser | 2 Watt |
| | | 355 nm, solid-state frequency tripled Nd: YVO ⁴ |
| | Beam Focus | Dynamic & Variable |
| | Beam Size | 150 to 600 μm |
| | Scanning Speed | Up to 400 in./s (10 m/s) |
| Layer Resolution | | 50 to 200 μm* |
| Minimum Feature Size | | 0.008 in. (0.2 mm) in X & Y [†] / 0.016 in. (0.4mm) in Z [†] |
| Build Modes | | HD & SD |
| Accuracy | | Dimension <3.94 in. ±0.004 in.; Dimension >3.94 in. ±0.15% [†] Dimension <100 mm ±0.1 mm; Dimension >100 mm ±0.15% [†] |
| Material Compatibility | | Open resin system - compatible with commercially available 355 nm stereolithography resins |
| Capacities | Build (XYZ) | 31.50 × 31.50 × 23.62 in. (800 × 800 × 600 mm) |
| | Vat Fill | 147 US gal (1389 lb [‡]) [555 ltr (630 kg [‡])] |
| Software | Operating System | Windows 10 Pro |
| | Input File Format | SLC |
| | Control Software | Titanium |
| | Remote Editor | Titanium Assistant (Optional) |
| Connectivity | Ethernet | Fully compliant with IEE 802.3, IEEE 802.3u, IEEE 802.3ab |
| | USB Port | USB 2.0 |

Stratasys Neo800 3D printer

3D Printer Specifications**

| | | |
|-------------------------------------|---|--|
| Features & Build Options | Build validation / Build time estimator / Material usage estimator / Scheduled start / Open build parameters enabling any material to be processed / On-the-fly parameter adjustment & part deletion / Upper surface build quality optimization / Bubble remover with automated option. | |
| Advanced Services & Reporting Tools | Industry 4.0 compliant / Full part traceability / Logging of machine utilization; build history; parameters; material usage; formatted data export / System & build status email notification § / Onboard camera / Resin viscosity tracking / User level access control / Scheduled lighting. | |
| Support | 1-click "snapshot" job diagnostic pack for remote support / Remote diagnostics § | |
| Electrical Requirements | 208 ~ 240 V, 50/60 Hz | 900 W Typical operation, 1900 W Max |
| Environmental Requirements | Temperature range: 68-74°F (20-23°C), max rate change ±2°F/hr (1°C/hr). Relative humidity 20-50% non-condensing. | |
| Dimensions (WxDxH) | 53.2 × 64.2 × 90.6 in. (1350 × 1630 × 2300 mm) | |
| Weight | Printer | 1764 lb (800 kg) |
| | Vat (empty) | 529 lb (240 kg) |
| Warranty | System | 12 months on-site service and support, as per Stratasys conditions of sale |
| | Laser | Replacement <800 mW before 10,000 hours or 18 months (whichever is sooner) |
| Accessories | Unload Trolley for Neo800 / UV800 oven & hot box | |
| Regulatory Conformity |  | |

* 100µm layer parameters are supplied for Stratasys certified materials. Parameters for alternative thicknesses may be available. Layer thickness range is material dependent. Contact Stratasys for more details.

† Accuracy & minimum feature size will vary depending on material, parameters, part geometry and size, pre- & post-processing methods and environment.

‡ Based on typical material density, 2.47 lb/0.3 gal @ 78.8°F (1.12kg/ltr @ 26°C).

§ Internet connection is required for full or partial functionality.

** Specification can be subject to change without prior notice.

Stratasys Headquarters

7665 Commerce Way,
Eden Prairie, MN 55344
+1 800 801 6491 (US Toll Free)
+1 952 937-3000 (Intl)
+1 952 937-0070 (Fax)

stratasys.com

ISO 9001:2015 Certified

1 Holtzman St., Science Park,
PO Box 2496
Rehovot 76124, Israel
+972 74 745 4000
+972 74 745 5000 (Fax)

(주) 티모스 - 한국 공식 파트너
경기도 광명시 하안로 60 C동 1108호
(소하동, 광명테크노파크)
+82 2 6297 5750
www.thymos.co.kr
3dp@thymos.co.kr

