

Lite 450

High Efficiency in Stereolithography 3D Printing



- High speed galvanometer scanning, high efficiency.
- Negative pressure adsorption scraper, uniform and reliable coating.
- Automatic scan path.
- Detachable table, easy to operate.
- Laser online measurement, technological parameter with full-automatic setting.
- Liquid level automatic control.
- PLC control electrical system, stable and reliable.
- LCD display.

Lite 450

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|---------------------------|--|---------------------------|---|
| Technology Type | Stereolithography (SLA) | Network Type and Protocol | Ethernet, IEEE 802.3 using TCP/IP and NFS |
| Build Envelope Capacity | 450 × 450 × 350 mm | Electrical Requirements | 200-240 VAC, 50/60 Hz, Single phase |
| Accuracy | L < 100 mm: ±0.1 mm L ≥ 100 mm: ±0.1% × L | Rated Power | 2.6 kVA |
| Layer Thickness | 0.05 - 0.25 mm | Systems Control | Closed-loop |
| Recoater Frame | Granite | Temperature Range | 72–79 °F (22–26 °C) |
| Laser | Solid-state frequency tripled Nd: YVO ₄ | Maximum Change Rate | 1 °C/hour |
| Beam Size | 0.12 - 0.8 mm | Relative Humidity | < 40% non-condensing |
| Wavelength | 355 nm | Machine Size (W x D x H) | 1860 × 1425 × 2240 mm |
| Scanning Speed | 8 ~ 15 m/s | Machine Weight | 790 kg |
| Controlling Software | UnionTech™ RSCON | Initial Resin Weight | 128 kg |
| Data Preparation Software | Polydevs | Resin Tank | Manually replacing / Fixed |
| Operation System | Windows 10 | Processing and Finishing | Post-Curing Unit (optional) |
| Input Data File Format | STL | Warranty | 12 months |



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