

# 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.

# Technical Data

\* Specifications are subject to change.  
Consult with your sales representative for confirmation of current offering.

## Lite 450

|                           |                                                    |                           |                                           |
|---------------------------|----------------------------------------------------|---------------------------|-------------------------------------------|
| 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<br>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 <sub>4</sub> | 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                                 |



### UnionTech

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