

Pilot 450

A New Dimension in Stereolithography 3D Printing

- Cost-effective ownership throughout entire life cycle.
- Freedom to collaborate and innovate: open design for materials and machine access.
- Printed parts demonstrate excellent sidewall quality and fine detail, contributing to lower post-finishing requirements.



Systemeigenschaften

- Key components from international top brands.
- Automatic control of surface level and processing parameters.
- CE certification.
- Granite recoater frame for enhanced recoating stability.
- Convenient assembly and disassembly of platform.

Technical Data

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

Pilot 450			
Technology Type	Stereolithography (SLA)	Network Type and Protocol	Ethernet, IEEE 802.3 using TCP/IP and NFS
Build Envelope Capacity	450 × 450 × 400 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	2.4 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	0.08 - 0.12 mm	Relative Humidity	< 40% non-condensing
Wavelength	355 nm	Machine Size (W x D x H)	1331 × 1370 × 2163 mm
Scanning Speed	6 ~ 10 m/s	Machine Weight	945 kg
Controlling Software	UnionTech™ RSCON	Initial Resin Weight	160 kg
Data Preparation Software	Polydevs	Resin Tank	Manually replacing
Operation System	Windows 10	Processing and Finishing	Post-Curing Unit (optional)
Input Data File Format	STL	Warranty	12 months



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