UnionTech

RSPro800 2.0

Higher Efficiency
Better Experience

Self-developed Variable laser beam technology effectively improves printing efficiency while still main- taining high printing accuracy.

Automatic laser calibration technology ensures calibration accuracy, stability, consistency and reliability.

Industry-leading liquid level control technology significantly improves control speed, accuracy and stability.

- Removable resin vats are used for easier material change.
- Automatic resin replenishment enables continuous printing.
- A marble base is used for more stable performance.
- A door guard design was introduced to improve operational safety
- Advanced parameter monitoring system ensures consistency and success rate.
- Sophisticated algorithms enable intelligent printing of complex part.
- Self-owned pre-processing software greatly simplifies data processing before printing.
- Wide variety of available materials provide cost-effective solutions for different applications.

Technical Data Sheet

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

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Technology Type	Stereolithography (SLA)	Network Type and Protocol	WiFi, Ethernet using MQTT/HTTP/TCP
Build Volume	800 × 800 × 550 mm 31.5 x 31.5 x 21.7 in	Electrical Requirements	200-240 VAC, 50/60 Hz
Accuracy	L < 100 mm: ±0.15 mm L ≥ 100 mm: ±0.2% x L	Rated Power	3 kVA
Layer Thickness	0.07 - 0.25 mm	Systems Control	Closed-loop
Recoater Frame	Granite	Temperature Range	72–79 °F (22–26 °C)
Laser	Solid-state frequency tripled Nd: YVO4	Maximum Change Rate	1 °C/hour
Beam Size	0.12 - 0.85 mm	Relative Humidity	< 40%
Wavelength	355 nm	Machine Size (W x D x H)	1750 × 1600 × 2110 mm
Typical Scanning Speed	8 ~ 15 m/s	Machine Weight	1440 kg
Controlling Software	UnionTech™ RSCON	Initial Resin Weight	560 kg
Data Preparation Software	Polydevs Pro, BPC	Resin Vat	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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