



RSPro Production Series

RSPro 600 / RSPro 800 / RSPro 1400 / RSPro 2100

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.

System Features

- Key components are of international top brands, Panasonic of Japan, Optowave /Spectra-Physics of America/Germany, Scanlab of Germany.
- Automatic control of surface level and processing parameters.
- Granite recoater frame for enhanced recoating stability.
- Closed loop control strategy for: Platform movement/Laser power/Material level/Temperature/Vacuum.
- CE certification.
- Convenient assembly and disassembly of platform.

Versatile Application Range · High Accuracy · Excellent Surface Aesthetics



Technical Data

RSPro 600

Build Envelope Capacity	23.6 × 23.6 × 19.7 in (600 × 600 × 500 mm)
Accuracy <small>*Accuracy may vary depending on parameters, part geometry and size, pre-processing or post-processing methods, materials and environment.</small>	Part size < 3.9 in (100 mm): ±0.004 in (±0.1 mm) Part size ≥ 3.9 in (100 mm): ±0.1% × L
Beam Size	Nominal 0.005 - 0.008 in (0.12 - 0.20mm)
Layer Thickness	0.002 in (0.05 mm) minimum; 0.01 in (0.25 mm) maximum
Weight	3968 lb (1,800 kg)
Machine Size (WxDxH)	62.9 × 63.5 × 83.5 in (1598 × 1612 × 2137 mm)

RSPro 800

Build Envelope Capacity	31.5 × 31.5 × 21.7 in (800 × 800 × 550 mm)
Accuracy <small>*Accuracy may vary depending on parameters, part geometry and size, pre-processing or post-processing methods, materials and environment.</small>	Part size < 3.9 in (100 mm): ±0.006 in (±0.15 mm) Part size ≥ 3.9 in (100 mm): ±0.15% × L
Beam Size	Nominal 0.005 - 0.008 in (0.12 - 0.20 mm)
Layer Thickness	0.003 in (0.07 mm) minimum; 0.01 in (0.25 mm) maximum
Weight	4409 lb (2000 kg)
Machine Size (WxDxH)	70.8 × 63.1 × 83.4 in (1798 × 1602 × 2196 mm)

RSPro 1400

Build Envelope Capacity	55.1 × 27.6 × 19.7 in (1400 × 700 × 500 mm)
Accuracy <small>*Accuracy may vary depending on parameters, part geometry and size, pre-processing or post-processing methods, materials and environment.</small>	L < 100 mm: ±0.2mm, L ≥ 100 mm: ±0.2% × L
Beam Size	Nominal 0.005 - 0.008 in (0.12 - 0.2 mm)
Layer Thickness	0.004 in (0.1 mm) minimum; 0.01 in (0.25 mm) maximum
Weight	6277 lb (2,847 kg)
Machine Size (WxDxH)	113.5 × 6.9 × 94.3 in (2882 × 1952 × 2395 mm)

RSPro 2100

Build Envelope Capacity	82.6 × 27.6 × 31.5 in (2100 × 700 × 800 mm)
Accuracy <small>*Accuracy may vary depending on parameters, part geometry and size, pre-processing or post-processing methods, materials and environment.</small>	L < 100 mm: ±0.1 mm, L ≥ 100 mm: ±0.1% × L
Beam Size	0.0039 - 0.0055 in, 0.0295 - 0.0334 in (0.1-0.14 mm, 0.75-0.85mm)
Layer Thickness	0.002 in (0.05 mm) minimum; 0.01 in (0.25 mm) maximum
Weight	11133 lb (5,050 kg)
Machine Size (WxDxH)	163 × 107 × 109 in (4130 × 2720 × 2770 mm)

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Laser	Solid-state frequency tripled Nd: YVO ₄
Wavelength	355 nm
Input Data File Format	STL
Recoater Frame	Granite
Systems Control	Closed-loop
Temperature Range	72–79 °F (22–26 °C)
Maximum Change Rate	1 °C/hour
Relative Humidity	< 40 % non-condensing
Platform Change Carts	Manual offload cart (optional)
Processing and Finishing	Post-Curing Unit (optional)
System Warranty	One-year warranty (under UnionTech's Purchase Terms and Conditions)

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

UnionTech

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