

RSPro 2100

This innovative three laser scanning additive manufacturing system is perfectly suited for the industrial production of large, high quality finished parts as well as mass part production.



High precision parts with no visible joint lines.



Granite recoater frame for enhanced recoating stability.



Carbon fiber reinforced recoater system ensures non-deformation across 2100 mm length.



Automatic control of surface level and processing parameters.



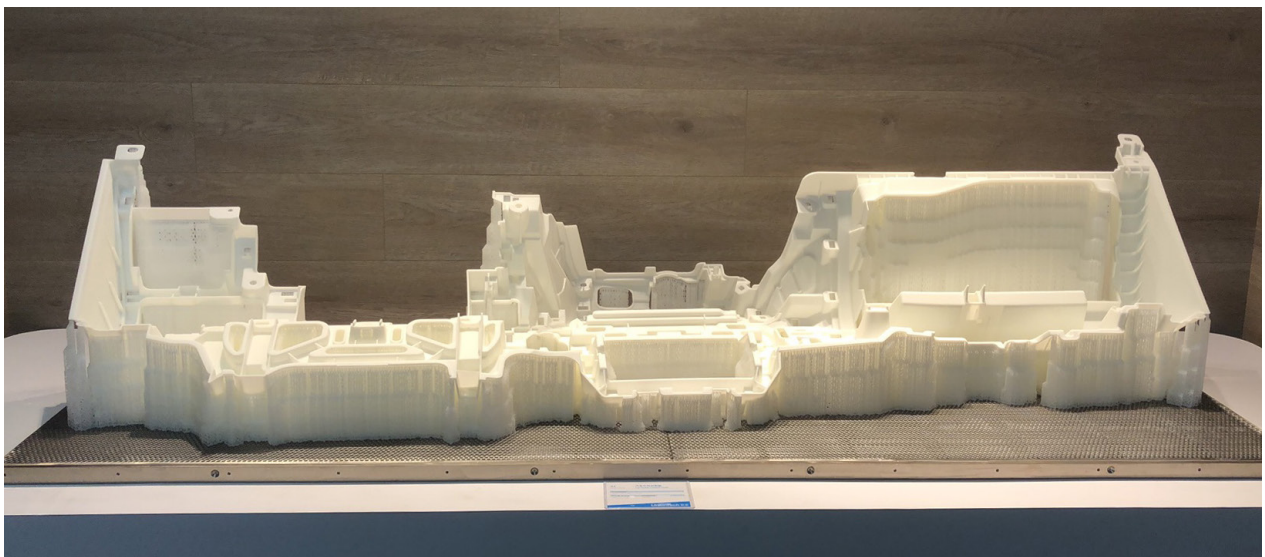
Closed loop control strategy for: Platform movement/Laser power/Material level/Temperature/Vacuum.



Open design for freedom of choice of materials and software.

RSPro 2100

Technology Type	Stereolithography (SLA)	Network Type and Protocol	Ethernet, IEEE 802.3 using TCP/IP and NFS
Build Envelope Capacity	2100 × 700 × 800 mm	Electrical Requirements	200-240 VAC, 50/60 Hz, Single phase
Accuracy	L < 100 mm: ±0.2 mm L ≥ 100 mm: ±0.2% × L	Rated Power	5.4 kVA
Layer Thickness	0.1 - 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	0.1 - 0.85 mm	Relative Humidity	< 40% non-condensing
Wavelength	355 nm	Machine Size (W x D x H)	2630 × 1970 × 2770 mm
Scanning Speed	8 ~ 15 m/s	Machine Weight	2520 kg
Controlling Software	UnionTech™ RSCON	Initial Resin Weight	2230 kg
Data Preparation Software	Polydevs	Resin Tank	Fixed
Operation System	Windows 10	Processing and Finishing	Post-Curing Unit (optional)
Input Data File Format	STL	Warranty	12 months



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