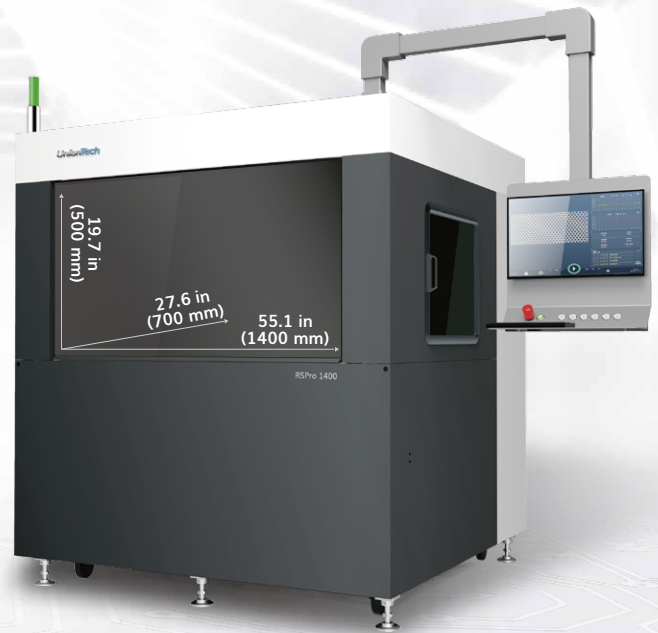# RSPro 1400

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

19.7 in
(500 mm)

27.6 in
(700 mm)

55.1 in
(1400 mm)

RSPro 1400

· **Automatic calibration set-up ensures accuracy.**

· **High precision parts with no visible joint lines.**

· **Carbon fiber reinforced recoater system ensures non-deformation across 1400 mm length.**

· **Granite recoater frame enhances stability.**

· **Open design for freedom of choice of materials and software.**

Technical Data

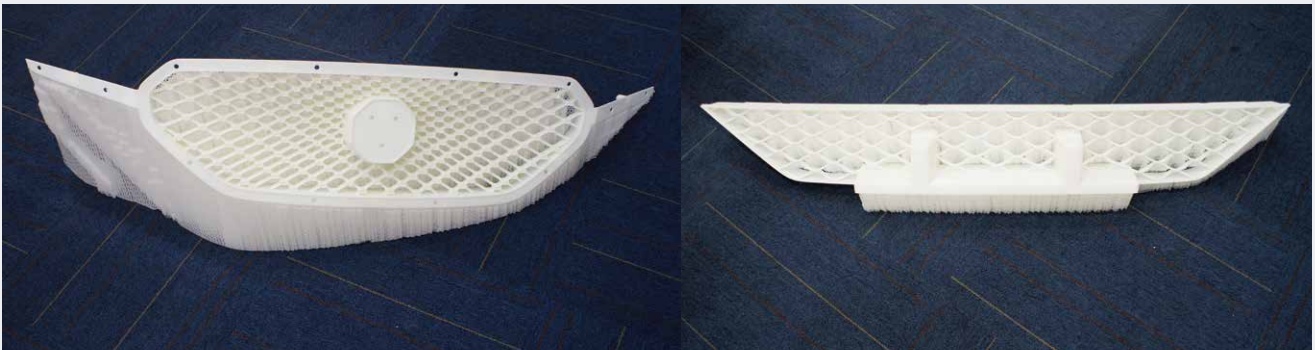|	RSPro 1400
Build Envelope Capacity	55.1x27.6x19.7 in (1400×700×500 mm)
Maximum Part Weight	396.8 lb (180 kg)
Accuracy •Accuracy may vary depending on parameters, part geometry and size, pre-processing or post-processing methods, materials and environment.	L < 100 mm: ±0.2 mm L≥100 mm: ±0.2% x L
Beam Size	Nominal 0.005 – 0.008 in (0.12 – 0.2 mm)
Layer Thickness	0.1-0.25 mm
Weight	2840 kg（with 940 kg initial fill inside）
Machine Size (WxDxH)	2882 × 1952 × 2395 mm
Laser	Solid-state frequency tripled Nd: YVO_4
Wavelength	355 nm
Controller	UnionTech™ RSCON
Part Preparation	Materialise Magics
Operating Systems	Windows 7, Windows 10*
Input Data File Format	STL
Network Type and Protocol	Ethernet, IEEE 802.3 using TCP/IP and NFS
Electrical Requirements	200-240 VAC, 50/60 Hz, single phase
Laser Warranty	18 months
Recoater Frame	Granite
Systems Control	Closed-loop
Power (nominal)	Typically 300 ~800mW (@100kHz) on the target surface of the material under nominal optical path condition

Operating Environment：

Temperature Range	72–79 °F (22–26 °C)
Maximum Change Rate	1 °C/hour
Relative Humidity	< 40 % non-condensing

Accessories ：

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)

Prototype Size: 53.4×10.1×10.8 in (1356×257×275 mm)   Prototype Size: 46×6.6×5.7 in(1169×167×146 mm)

UnionTech

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