

## 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.



- 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

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

	<b>RSPro 1400</b>
Build Envelope Capacity	55.1x27.6x19.7 in (1400x700x500mm)
Maximum Part Weight	396.8 lb (180 kg)
Accuracy	L < 100 mm: ±0.2mm L ≥ 100 mm: ±0.2% x L
<small>*Accuracy may vary depending on parameters, part geometry and size, pre-processing or post-processing methods, materials and environment.</small>	
Beam Size	Nominal 0.12-0.9 mm
Scanning Speed	18m/s (Maximum)
Layer Thickness	0.1-0.25mm
Weight	2840 kg (with 940 kg initial fill inside)
Machine Size (WxDxH)	2882 × 1952 × 2395 mm
Laser	Solid-state frequency tripled Nd: YVO <sub>4</sub>
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)	At head 1500 mW (Typically 800mW on the target surface of the material under nominal optical path condition)

## Operating Environment:

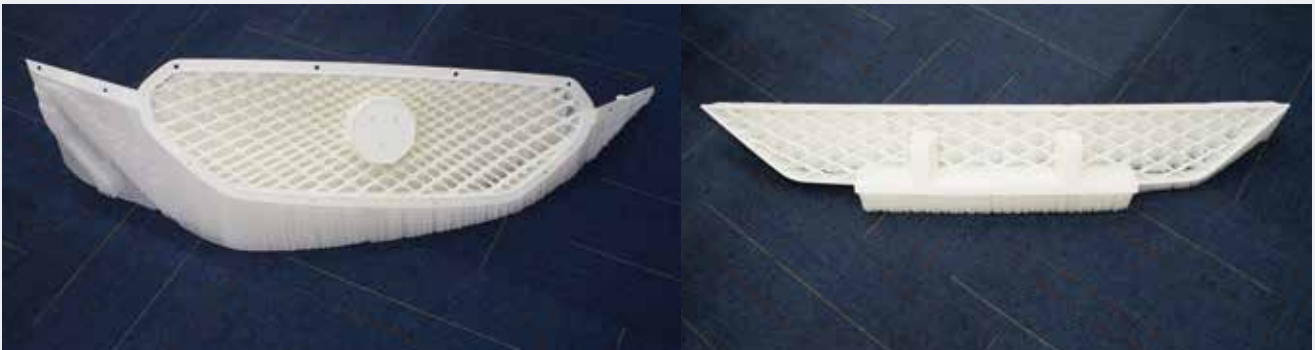
Temperature Range	72–79 °F (22–26 °C)
Maximum Change Rate	1 °C/hour
Relative Humidity	< 40 % non-condensing

## 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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