



12 rue Jean Bart  
78960 Voisins le Bretonneux

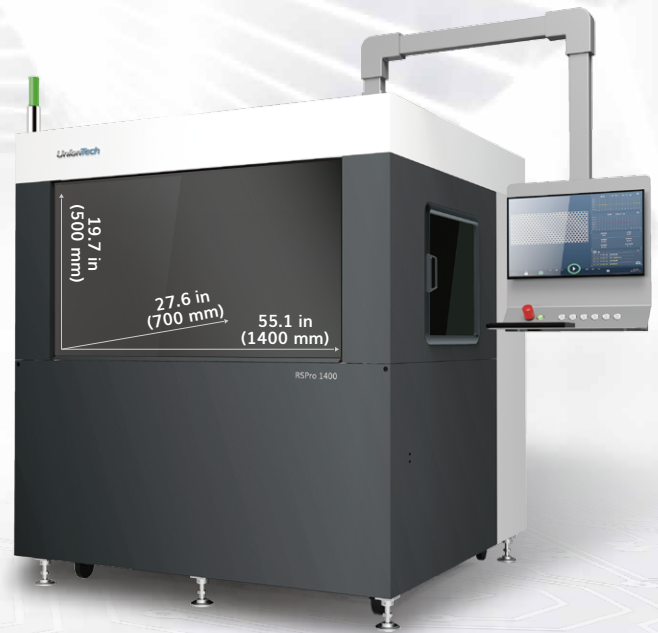
Tel: + 33 (0)1 30 60 03 33  
Email: [devis@3dsolutions.fr](mailto:devis@3dsolutions.fr)  
[www.3dsolutions.fr](http://www.3dsolutions.fr)

**UnionTech**

Create your imagination

## 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 (1400x700x500 mm)
Maximum Part Weight	396.8 lb (180 kg)
Accuracy	L < 100 mm: ±0.2 mm 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 0.005 – 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 <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)	Typically 300 ~800mW (@100kHz) on the target surface of the material under nominal optical path condition

## Operating Environment:

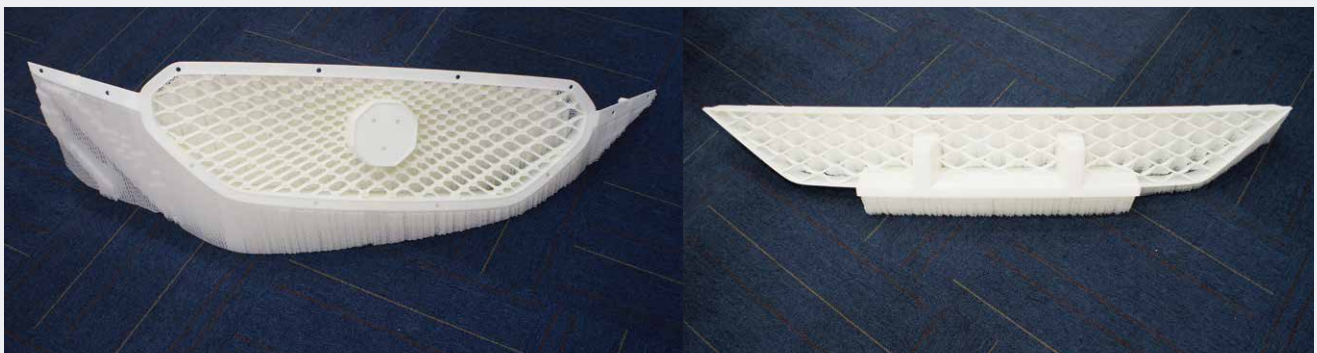
Temperature Range	72–79 °F (22–26 °C)
Maximum Change Rate	1 °C/hour
Relative Humidity	< 40 % non-condensing

## 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

Shanghai Union Technology Corporation  
Room 102, Unit 40, 258 Xinzhuang Rd, Shanghai, 201612, China  
enquiry@uniontech3d.cn  
www.uniontech3d.com

Union Tech, Inc.  
100 Illinois St., Suite 200, St. Charles, Illinois, 60177, USA  
info@uniontech3d.com

UnionTech GmbH  
Friedrich-Ebert-Anlage 36, 60325 Frankfurt am Main, Hesse, Germany  
info@uniontech3d.com