

SPECIFICATIONS	CREATOR	CREATOR RA
Laser Power Type	Yb: Fiber 250 W	
Laser Wavelength (nm)	1070	
Building Platform/Volume (diameter x height)	100 mm x 110 mm (3.9 x 4.3 in.)	
Reservoir Volume	110 mm x 200 mm (4.3 x 7.9 in.)	
Material Deposition	Scraper	
Repeatability ($\pm \mu\text{m}$) x:	15	
y:	15	
z:	15	
Minimum Feature Size (μm) x:	80	
y:	80	
z:	20	
Typical Accuracy (μm)	40	
Ready-to-run Materials with Developed Print Parameters	Stainless Steel 17-4 PH; Cobalt-Chrome; CoCr Bronze CuSn8	Titanium Ti6Al4V; AlSi10Mg; Non-Reactive Materials
Extraction Unit	Non-Reactive Materials	Reactive and Non-Reactive Materials
SPACE REQUIREMENTS		
Dimensions	717 mm x 858 mm x 1794 mm (28.2 x 33.8 x 70.6 in.)	
Weight	470 kg (1036.2 lb)	400 kg (881.8 lb)
FACILITY REQUIREMENTS		
Electrical Requirements	110 V to 230 V/1 Ph/50 Hz/16 A	230 V/1 Ph/50 Hz/16 A
Compressed Air Requirements	No	
Gas Requirements	Nitrogen/Argon	
Cooling	Air	
CONTROL SYSTEM AND SOFTWARE		
Software Tools	APP SUITE™	
Control Software	CREATOR Controller	
Operating System	Microsoft Windows	
Input Data File Formats	STL, STEP, IGES, Object	
Network Type and Protocol	Ethernet	
ACCESSORIES		
Recycling System	Optional	
HANDLING		
Material Loading	Manual	

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