

**ZRapid iDEN160 Dental metal sintering 3D printer**Technology: Selective Laser Melting, Forming size:**160mmx160mmx100-200mm**

Material Class: Metal powder (pure titanium, titanium alloy, cobalt-chromium alloy)

LASER SYSTEM	
Type	YB-Fiber Laser (IPG)
Wavelength	1064nm
Laser Power	200W
RECOATING SYSTEM	
Process	two-way variable speed synchronous coating
Normal build style	0.03mm
Quick build style	0.04-0.10mm
Precision build style	0.02-0.03mm
OPTICAL & SCANNING	
Beam (diameterΦ)	0.05-0.15mm
Focus style	Scan Lab High-speed galvanometer
Part Scan speed	Recommended 2.0m/s ,
Beam jump speed	Recommended 10.0m/s
ELEVATOR	
Vertical resolution	0.0002mm
Drive way	Servo motor precision deceleration drive
Maximum part weight	10KG Max build speed:1:15 cm ³ /H
POWDER VAT	
Volume	Approx. 2.6L
Fixed substrate plate	Quick replacement without screw holes (transition tank quick exchange)
Forming size	160mm(X)*160mm(Y)*100-200mm(Z)
Heating style	Precision resistance wire heating
Gas shielded	Nitrogen, Argon
SOFTWARE	
Operating system	Pro Windows 10, Ethernet, IEEE802.3
Build software	ZERO 4.0 Dental production software
CAD interface	3D design software, STL file format
INSTALLATION CONDITION	
Power	200-240VAC 50/60Hz, Single-phases, 12Amps
Ambient temperature	20-26°C
Relative humidity	Less than 40%, non-condensing
Machine Size	1.10m(W) X 1.28m(D) X 1.85m(H)
Machine Weight	Approx. 850 Kg
WARRANTY	
Laser	5000 hours or 12months (whichever comes first)
Main machine	one(1) years from the date of installation date