

Metal Additive Manufacturing Machine

iSLM300

“Low-Investment Industrial Start”

Technology: Selective Laser Melting (SLM)

Metal Powders: Steel Alloys, Aluminium Alloys, Titanium Alloys, Nickel-based Alloys, Cobalt-Chrome Alloys, Copper alloy, Precious Metals, etc.



LASER SYSTEM	
Type	YB-Fiber Laser
Wavelength	1060nm~1080nm
Laser Power	500W/ 500WX2/1000WX1
RECOATING SYSTEM	
Process	Bi-directional variable speed synchronous coating
Layer Thickness	Normal build: 0.05mm Layer range: 0.02mm-0.15mm/20um-150um
OPTICAL & SCANNING	
Beam (diameterΦ)	0.06mm-0.2mm
Focus style	Germany Scan Lab high-speed galvanometer
Part drawing speed	Recommended 1.0-4.0m/s
Beam jump speed	Recommended 10.0m/s
ELEVATOR	
Drive way	Servo motor precision deceleration drive
Maximum part weight	50KG
POWDER VAT	
Volume	Approx. 36L
Build Size	300mm(X)*300mm(Y)*400mm (Including substrate)
Heating style	Precision resistance wire heating, ≤200 °C
Gas shielded	Nitrogen, Argon, ≤100 ppm(adjustable)
SOFTWARE	
Operating system	Windows 10, Ethernet, IEEE802.3
Control software	ZERO 4.0 PRESTO software
Data processing software	ZRapid 3D Layer, Materialise Magics, Voxel Dance
CAD interface	3D design software, STL file format
INSTALLATION CONDITION	
Power	380V(±10%), Three-phases, 25Amps, ≤7 KW
Environmental requirements	Temperature 20°C-26°C, humidity ≤ 40%
Machine Size	1.98m(W) X 1.82m(D) X 2.24m(H)
Suggested installation space	4.0m(W) X 3.0m(D) X 3.0m(H)
Machine Weight	Approx. 1,800 kg



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CE Safety
 Certification



ISO14001:2015 / ISO45001:2018 /
 ISO9001:2015



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