



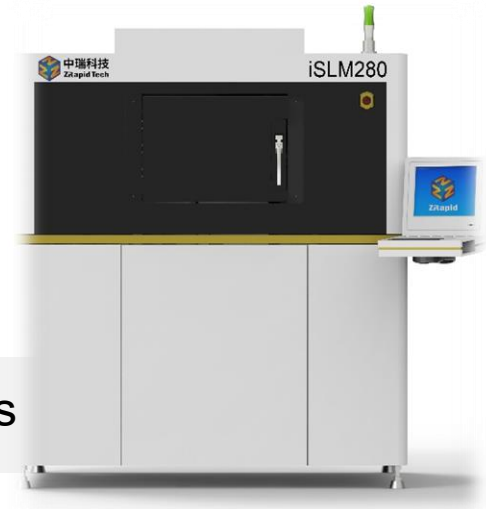
ZRapid



ZRapid iSLM280

Metal Additive Manufacturing Machine

Innovator of China 3D Printing Technologies



► Technical Parameters









Supporting materials	Steel Alloys, Aluminium Alloys, Titanium Alloys, Nickel-based Alloys, Cobalt-Chrome Alloys, Copper alloy, Precious Metals, etc.
Bulid Volume	280mm(X)*280mm(Y)*350mm(H)
Maximum part weight	50KG
Laser Power	500W/ 500WX2/1000Wx1
Wave length	1060nm~1080nm
Layer Thickness	0.02mm~0.15mm/20µm~150µm
Scanning Speed	1.0 ~10.0 m/s
Beam (diameterΦ)	0.06mm-0.2mm
Recoating	Single/Double-direction
Oxygen Content	≤100 ppm(adjustable)
Gas Requirement	Nitrogen, Argon
Software	ZERO 4.0 PRESTO software, ZRapid 3D Layer, Magics
Supply Voltage	220V (±10%), Single-phases, 16Amps, ≤7 KW
External Dimensions	1.87m(W) X 1.4m(D) X 2.3m(H)
Machine Weight	Approx. 1800 kg



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► The advantages of iSLM280

-  Premium Brand hardware with $\pm 0.01\text{mm}$ repeatability and fiber laser for precision manufacturing
-  Dual printing modes (Quality/Fast) with fully open GCode parameters for flexible control
-  Closed-loop feeding and automatic sieving ensure stability for large-scale production
-  H13 filtration with real-time O_2 monitoring and powder-isolated operation
-  Compatible with 30+ metals and customizable Building Cylinder
-  Long-life filters (30000hrs) and smart powder management minimize operational costs
-  Full parameter logging and real-time monitoring meet aerospace-grade traceability
-  800+ global installations with CE/ISO/ATEX certification and complete training support

► iSLM280 Application Cases



Stainless steel

Aluminum alloy

Nickel base super alloy

Titanium alloy

► Automation Solutions



Vacuum oven

Sand blasting machine

Metal powder sieve

Optional Accessories