



ZRapid



ZRapid iSLM600

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	650mm(X)*650mm(Y)*1200mm (Net Height)
Maximum part weight	300KG
Laser Power	500WX6 / 500WX8
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	380V (±10%), Three-phases, 25Amps, ≤ 20 KW
External Dimensions	3.30m(W) X 1.65m(D) X 4.05m(H)
Machine Weight	Approx. 12000 kg



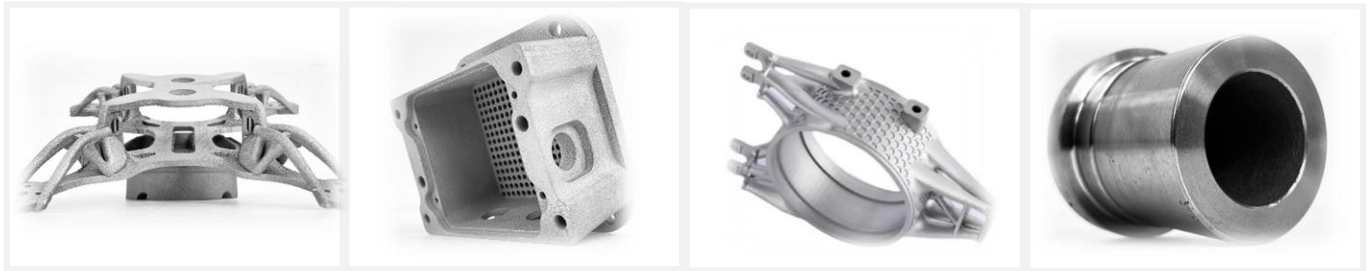
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► The advantages of iSLM600

- 🖨 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

► iSLM600 Application Cases



Stainless steel

Aluminum alloy

Nickel base super alloy

Mold steel

► Automation Solutions



Vacuum oven

Sand blasting machine

Metal powder sieve

Optional Accessories