



ZRapid



# ZRapid iSLM80P

Metal Additive Manufacturing Machine

Innovator of China 3D Printing Technologies



## ► Technical Parameters

Supporting materials	Stainless steel, Titanium Alloys, Nickel-based Alloys, Cobalt-Chrome Alloys, Precious metaletc.tungsten alloy,etc.
Bulid Volume	80mm(X)*80mm(Y)*100mm(H)
Maximum part weight	1KG
Laser Power	100W/200W
Wave length	1060nm~1080nm
Layer Thickness	0.01mm~0.03mm/10µm~30µm
Scanning Speed	Recommended 1.0 to 2.0 m/s
Beam (diameterΦ)	0.015mm~0.03mm
Surface Roughness	Ra≤ 3.2µm
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, 12Amps, ≤3 KW
External Dimensions	1.10m(W) X 1.28m(D) X 1.85m(H)
Machine Weight	Approx. 850 kg



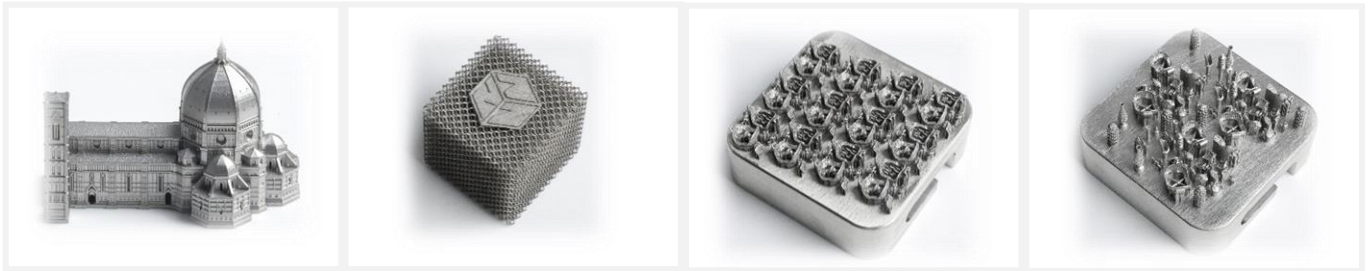
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## ► The advantages of iSLM80P

- Open Research Platform: Fully open parameters for cutting-edge research
- Safe Operation: Enclosed printing and filtration ensure a secure lab environment
- Flexible Adaptation: Supports various project scales, from micro-structures to engineering
- Reproducible Results: Premium Brand hardware guarantees stable printing and precise data
- High Efficiency: Non-stop sampling maximizes equipment utilization for academic schedules
- Drives Innovation: Intuitive software and open parameters foster hands-on learning
- Low TCO: Low-maintenance design and long-life components reduce operational costs
- Compact Footprint: Small form factor fits easily into existing labs

## ► iSLM80P Application Cases



## ► Automation Solutions



Vacuum oven

Sand blasting machine

Metal powder sieve

Optional Accessories