

LM-M280

Dual-beam synergy: A model of precision and efficiency



High precision



Excellent stability



High safety



Data traceability



High-Efficiency Dual-Laser Sintering

Equipped with a 2x500W high-precision dual-laser system, it achieves a printing efficiency of up to 35 cm³/h, significantly boosting production efficiency for small and medium-sized precision parts.



Intelligent Powder Management System

Equipped with a fully automatic powder recirculation system, it automatically recovers, screens, and feeds powder during the printing process, achieving a powder utilization rate of up to 95% and ensuring safe and stable production.



Medium-Sized Precision Sintering Chamber

With a build volume of 286 mm × 286 mm × 380 mm, it is perfectly suited for the production of precision aerospace components, medical devices, and automotive parts.



Compact Industrial-Grade Design

With an optimized structural layout, the machine weighs only 2.1 tons and has a small footprint, making it ideal for integration into production lines in modern smart factories and improving workshop space utilization.

Print Sample



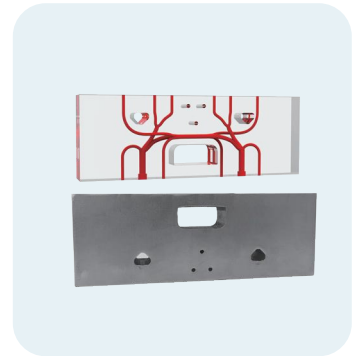
Sample Name: Lightweight Crank Arm
Sample Material: AlSi10Mg
Sample Dimensions: 210*120*100mm
Application Area: Aerospace/Military



Sample Name: Engine Housing
Sample Material: AlSi10Mg
Sample Dimensions: 180*98*130mm
Application Area: Aerospace



Sample Name: Rotor (Commercial Aerospace)
Sample Material: 316L
Sample Dimensions: 206*206*125mm
Application Area: Aerospace



Sample Name: Irregular Water Channel
Sample Material: 316L
Sample Size: 150*50*20mm
Application Area: Mold Industry

Technical Specifications

Dimensions	L(2536mm) x W(1270mm) x H(2230mm)
Molding Chamber Dimensions	286mm x 286mm x 380mm
Scanning Speed	2*7m/s
Spot Diameter	50~120μm
Laser	2*500W
Powder Layer Thickness	20~120μm
Build Speed	Max35cm ³ /h
Compatible Materials	Titanium alloys, aluminum alloys, superalloys, stainless steel, high-strength steel, tool steel
Chamber Oxygen Content	≤100ppm
Shielding Gas	Nitrogen/Argon
Data Format	STL files or other conversion formats
Supporting Software	LM-3Dprint (developed in-house by limn)
Electrical and Losses	380V, 14KW
Machine Weight	2.1T

*The data provided is for reference only; actual results may vary.

Auxiliary equipment



Electric Explosion-proof Industrial Vacuum Cleaner

Powder Sifter

Vacuum Loader

Technical services



Technical services

24/7 technical support



Engineering Design

Engineering design services tailored to product application requirements



Rapid Response

Prompt response to customer needs and proactive action



Equipment Training

Comprehensive training on equipment, systems, and maintenance, with customized training available



Customized Products

High-quality, customized solutions



Quality Assurance

Rigorous pre-shipment testing and quality control throughout the entire process

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Official Website