

LM-M150

All-Purpose Cube: Precision Manufacturing of Small Parts



High precision



Excellent stability



High safety



High-precision control



High-precision micro-molding **Wide compatibility with multiple materials**

With a build volume of 153 × 153 × 120 mm³ and a spot diameter of 50–100 μm, this system is suitable for manufacturing precision parts such as medical bone screws and dental restorations.

Supports a wide range of materials, including titanium alloys, tool steel, and stainless steel, to meet the diverse needs of fields such as scientific research and personalized medicine.



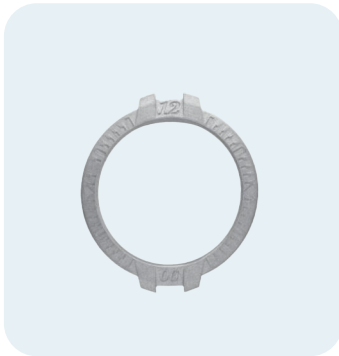
Compact, intelligent, and integrated **Compact, intelligent, and integrated**

Weighing just 0.8T and occupying less than 1m² of floor space, it offers laboratory-grade ease of use and high-efficiency production.

Featuring a low-power system and a sealed powder management system, it operates at a noise level below 60 dB, making it ideal for environments with strict requirements, such as medical and research facilities.



Print Sample



Sample Name: Smartwatch Midframe
Sample Material: TC4
Sample Dimensions: φ6 × 6 mm
Application: 3C Consumer Products



Sample Name: Mandibular Implant
Sample Material: TC4
Sample Size: 140*90mm
Application: Medical



Sample Name: Impeller
Sample Material: 316L
Sample Size: φ5*6mm
Application Area: Pump Industry



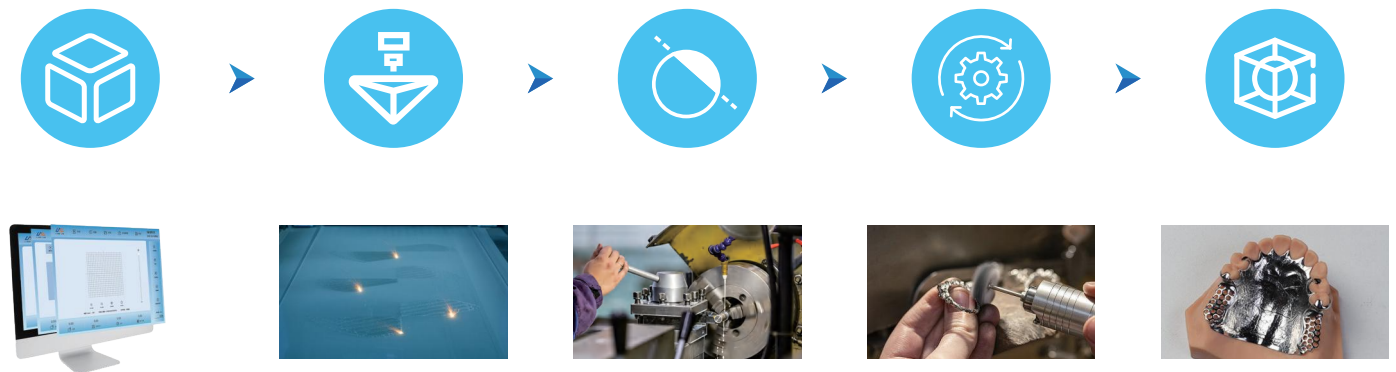
Sample Name: Acetabular Cup
Sample Material: TC4
Sample Size: φ8*8mm
Application Area: Medical

Technical Specifications

Dimensions	L(1000mm) x W(730mm) x H(1788mm)
Molding Chamber Dimensions	153mmx153mmx120mm
Scanning Speed	7m/s
Spot Diameter	50~100µm
Laser	500W
Powder Layer Thickness	20~120µm
Build Speed	Max20cm ³ /h
Compatible Materials	Titanium alloys, cobalt-chromium alloys, etc.
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, 4.1KW
Machine Weight	0.8T

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

3D Printing Process



Model Preparation & Data Slicing

3D Printing

Heat treatment, wire EDM and support structure removal

Surface Treatment

Finished Parts

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

