

LM-M800

Flagship Large-Scale Metal 3D Printing System



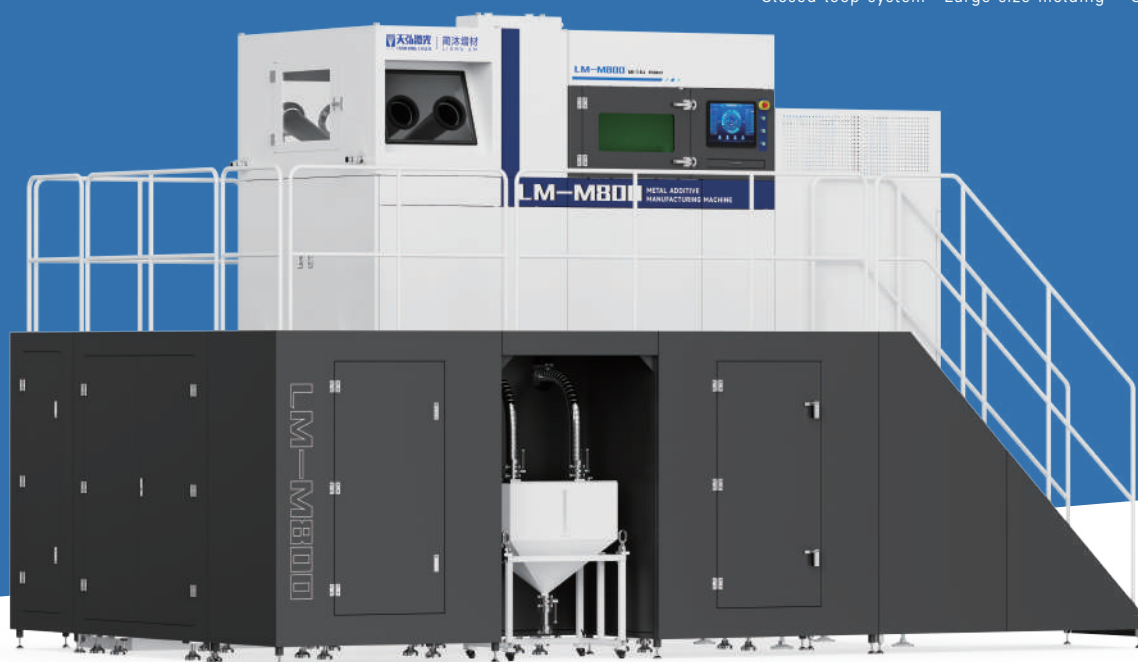
Closed loop system



Large size molding



Good stability



Multi-laser efficient forming

Six-laser multi-beam technology delivers up to 210mcm³/h efficiency (tested), accelerating production of large, complex parts for aerospace, molds, and more.



Large forming area

807×607×900mm build size enables integrated production of complex parts like aircraft grids and large radiators—reducing assembly and enhancing strength.



High precision & stable output

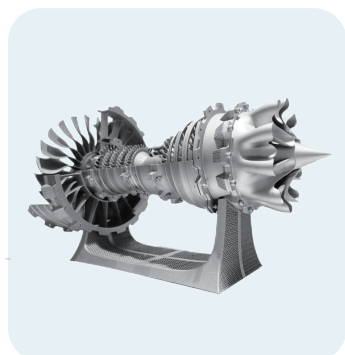
70–120μm spot size with 6×7m/s scanning and 20–120μm layer control ensures high precision and surface quality—ideal for functional part manufacturing.



Modular & flexible

Supports multiple laser powers and materials like titanium, high-temp alloys, and stainless steel—ideal from R&D to mass production.

Print Case



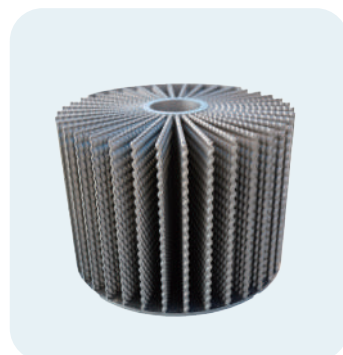
Sample name: aircraft engine
 Sample material: 316L
 Sample size: 570*320*240mm
 Application area: aerospace



Sample name: Aircraft internal flow channel valve body
 Sample material: TC4
 Sample size: Φ540*430mm
 Application area: Aviation天



Sample name: Automobile wheel hub
 Sample material: 316L
 Sample size: Φ620*270mm
 Application area: Automobile parts



Sample name: Radiator
 Sample material: TC4
 Sample size: Φ580*350mm
 Application area: Heavy industry

Technical Parameters

Dimensions	L(6584mm) x W(3780mm) x H(4200mm)
Forming cylinder size	807mm x 607mm x 900mm
Scan speed	6*7m/s
Spot diameter	70~120μm
Laser	6*500W
layer thickness	20~120μm
Forming speed	Maximum 210cm3/h
Applicable Materials	Titanium alloy, aluminum alloy, high temperature alloy, stainless steel, high strength steel, mold steel
Chamber oxygen content	≤100ppm
Protective gas	Nitrogen/Argon
Data Format	STL file or other conversion format
Supporting Software	TH-3Dprint
Electrical and loss	380V, 36KW
Machine weight	15T

Auxiliary equipment



Electric explosion-proof vacuum cleaner




Screening Machine




Suction machine


Technical Services




Engineering Design
Provide engineering design services according to product application requirements




Quick response
Respond quickly to customer needs and take proactive actions



Equipment training
Comprehensive training on equipment, systems, and maintenance, and customized training is available



Product Customization
High quality, personalized customization, professional solutions



Quality Assurance
Strict testing before shipment and quality control throughout the process