



Tianhong laser

LODESTAR 3D

Building Factories of the Future

TH-M150

Entry-level Metal Additive Manufacturing Equipment



High efficiency



High security



Superior wind farm structure



Good airtightness



► WHY TH-M150?



Multiple material compatibility

Develop new powder process parameters based on user needs to help users quickly deploy and use additive manufacturing systems



High-precision control key technologies

High-precision scanning system with rich scanning strategies. Precise positioning and automatic entry and exit



High-quality wind farm system, safe and energy-saving

Optimized wind farm structure design, high-quality molding
Long-lasting filtration system, reducing the frequency of filter element replacement.



TH3D control system

TH3D control software can complete the entire control process from data to part processing and forming. Users can easily complete printing tasks by following the operating instructions.



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▶ 3D Printing Case

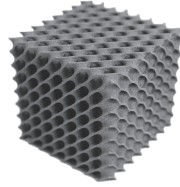


Sample Name: Acetabular Cup

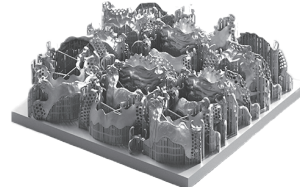
Printing Equipment: TH-M150

Printing Material: TC4

The acetabular cup is made of high-quality titanium alloy powder through the SLM metal 3D printing process. It has the advantages of good biocompatibility, good compressive strength and an elastic modulus close to that of bones.



Heat Dissipation Lattice



Oral Stents



Aviation Accessories

▶ Technical Parameters

Dimension	L(960) xW (730)xH (1788)mm ³
Build Volume	153mmx153mmx120mm
Laser Power	200W/500W*1/2
Layer Thickness	20-120μm
Scanning Speed	7m/s
Forming speed	Max 20cm ³ /h
Oxygen Content	<100ppm
Light spot diameter	50-100μm
Protective gas	Nitrogen/Argon
Data format	STL file
Complementary software	TH-3Dprint
Electrical consumption	380V, 4.1KW
Applicable material	Titanium alloys, high-temperature alloys, stainless steel, high-strength steel, die steel
Weight	0.8T

▶ About Us



Technical Consultation

Including consulting on equipment selection, material processes, and operations



Original spare parts

Ensure high performance and long service life



Equipment Training

Full training on equipment, systems, maintenance and can be customized



Regular after-sales

Regular return visit
Provide comprehensive and detailed service

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