

# TH-S400



Innovative Technology, Easy Forming - SLM Metal 3D Printing Brings Unprecedented Shoe Mold Experience



High efficiency



High security

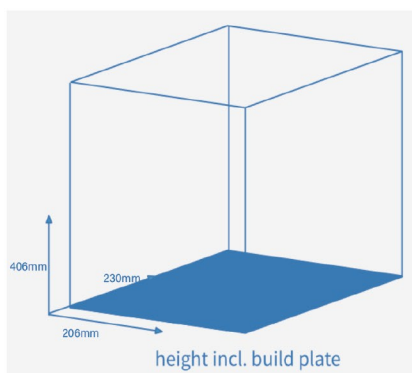


Superior wind farm structure



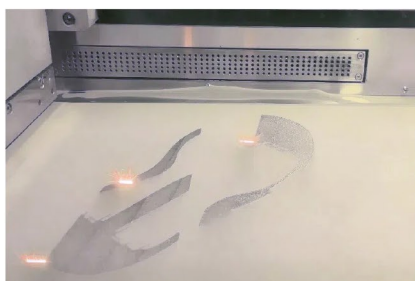
Good airtightness

## ► WHY TH-S400



### DESIGNED FOR SHOE MOLDS

Large building room, dual or 3 lasers optional. Meet the needs of different shoe mold manufacturing.  
User friendly, dual filter systems, high security.  
Various of performance recoating lips available.



### RELIABLE & HIGH SAFETY

Superior core optical components and sophisticated algorithms for process control parameters provide the highest component quality.  
High-quality uniform part printing thanks to excellent control over the build environments and components.



### INCREASED DURABILITY AND LONGEVITY OF SHOE MOLDS

Metal 3D printed shoe molds are not only flexible in design, but can also be printed using high-performance metal materials such as stainless steel, titanium alloys, etc. These materials have strong abrasion and corrosion resistance, which can extend the service life of shoe molds and improve production efficiency, especially in large-scale production.

## ► 3D Printing Case



Sample name: Shoe Molds  
Size: 285\*138.5\*60mm  
Material: 316L  
Printing time: 21 hours  
Weight : 2.93kg

Metal 3D printing technology can achieve high-precision printing and can produce complex shoe mold designs, including complex internal structures, fine details and fine surface textures. Each shoe mold can be customized according to specific needs to meet the requirements of different users for shoe comfort, appearance and functionality.



Size: 206\*85\*49mm  
Material: 316L  
Printing time: 17 hours  
Weight : 1.14kg



Size: 308\*185\*77mm  
Material: Aluminum alloy  
Printing time: 38 hours  
Weight : 1.96kg



Size: 205\*79\*65mm  
Material: 316L  
Printing time: 28 hours/pair  
Weight : 0.9kg

## ► Technical Parameters

Dimension	L(1770)xW(1260)xH(1900)mm <sup>3</sup>
Build Volume	406x206x230mm
Laser Power	500W*3
Layer Thickness	20-120μm
Scanning Speed	7*3m/s
Forming speed	Max 50cm <sup>3</sup> /h
Oxygen Content	<100ppm
Light spot diameter	50-100μm
Protective gas	Nitrogen/Argon
Data format	STL file
Complementary software	TH-3D print
Electrical consumption	380V, 19KW
Applicable material	Titanium alloys, high-temperature alloys, stainless steel, high-strength steel, die steel
Weight	1.5T

## ► 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