SHINING 3D®
FOR MORE SHINING IDEAS

EP-M150
3D PRINTER
DIRECT METAL FUSION

EP-M150

The EP-M150 uses a fiber laser to directly melt elemental or alloy metal powders to form complex structures and parts.

The EP-M150 has a variety of small metal applications in fields such as, material development, medical implants, dental, and jewelry.

High Precision Printing Quality & High Efficiency

· Small laser facula and thin layer thickness guarantee more precise printing quality.
· Intelligent powder coating method and faster scanning speed.
· Unique scanning path and oxygen control assure high-quality printing.

Low-cost operation

· 500 crowns printed using only 1KG of powder
· Improved powder feeding and sieving system enables high material utilization
· Gas consumption≤1L/min (Printing period)
· Optimized chamber structure and excellent sealing properties minimize gas consumption

Easy Maintenance

· Intuitive user interface
· Optimized structure design for easier maintenance

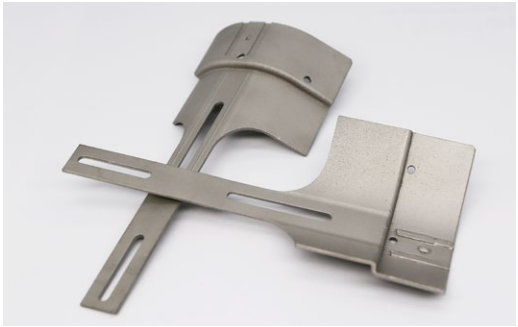
High Safety

· Integrates more than 10 security technologies
· Working environment and real-time gas monitoring

Healthcare
Spinal Implant

Healthcare
Lumbar Interbody Fusion Cage System

Healthcare
Implant



Healthcare
Parts of Medical Devices

Industrial Manufacturing
Conformal Cooling Channel

Product Customization
Jewelry

TECHNICAL SPECIFICATIONS

EP-M150

Laser	200W
Spot Size	40-60μm
Scanning Speed	8m/s
Build Volume	Φ150*80mm or Φ150*120mm
Layer Thickness	0.02mm-0.1mm
Material	Stainless steel, Maraging steel, nickel base alloy, titanium alloy, cobalt chromium alloy, aluminum alloy, copper alloy
Gas Supply	Argon /N_2 Protection
Average Gas Consumption	1L/min (Printing period)
Power	220V; 12A; 50/60Hz; 3KW
Input Data	STL or other convertible file
Weight	800KG
Dimension	1750(L)*780(W)*1900(H)mm

* Notice: SHINING 3D reserves the right to explain any alteration of the specifications and pictures.