



SHINING 3D®
FOR MORE SHINING IDEAS

EP-M150 3D PRINTER Metal Powder Bed Fusion



FEATURES

The EP-M150 is a compact MPBF metal printer designed for small and complex industrial part production. A variety of materials can be printed for various applications including medical, jewelry, metal material development, and more.

HIGH ACCURACY AND OUTSTANDING QUALITY

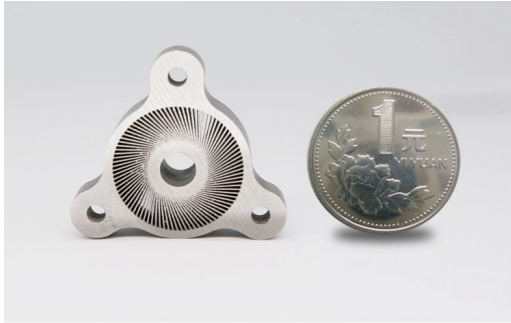
- Optimized optical path system ensures consistent laser beam quality
- Improved gas flow control
- Patented intelligent software gives way to unique hatching strategies

HIGHLY EFFICIENT AND LOW OPERATION COST

- $\Phi 150 \times 120$ mm substrate allows for a larger print size within a compact building chamber
- Quantitative powder feeding and coating precisely control powder usage.
- Recycled shielding gas and excellent sealing capability ensure low gas consumption.

INTEGRATED DESIGN FOR EASY OPERATION

- Built-in key components within a compact system
- Quick substrate alignment and recoater adjustment shortens machine preparation.
- One-click printing with a touchscreen interface



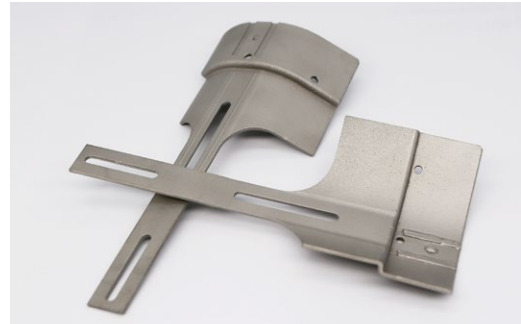
Industrial Manufacturing
Mixer



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

| | |
|----------------------|---|
| Build Volume (X*Y*Z) | Φ150*120mm |
| Optical System | Fiber Laser, 200W / 500W (single or dual-laser optional) |
| Spot Size | 40-60μm |
| Max Scan Speed | 8m/s |
| Layer Thickness | 20-100μm |
| Materials | Titanium Alloy, Aluminium Alloy, Nickel Alloy, Maraging Steel, Stainless Steel, Cobalt Chrome, Copper Alloy, etc. |
| Power Supply | 220V; 12A; 50/60Hz; 3KW |
| Gas Supply | Ar /N ₂ Protection |
| Oxygen Content | ≤100PPM |
| Dimension (W*D*H) | 1750*780*1900mm |
| Weight | 900KG |
| Software | EP Control, EP Hatch |
| Input Data Format | STL or Other Convertible File |

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