stomdevice

SHINING 3D®
FOR MORE SHINING IDEAS

EP-M150
3D PRINTER
Metal Powder Bed Fusion



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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

- Φ150*120mm 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

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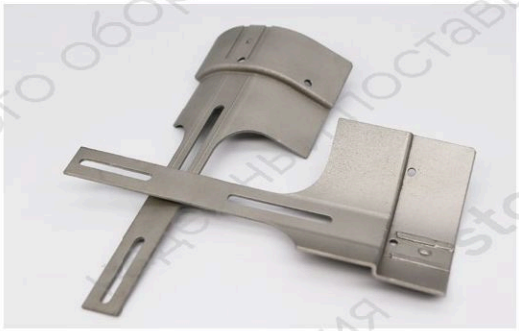
Industrial Manufacturing
Mixer



Healthcare
Lumbar Interbody Fusion Cage System



Healthcare
Implant



Healthcare
Parts of Medical Devices



Industrial Manufacturing
Conformal Cooling Channel



Product Customization
Jewelry

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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.

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