



SHINING 3D®

EP-M250 3D PRINTER METAL POWDER BED FUSION





POWDER-BED BASED DIRECT METAL FUSION

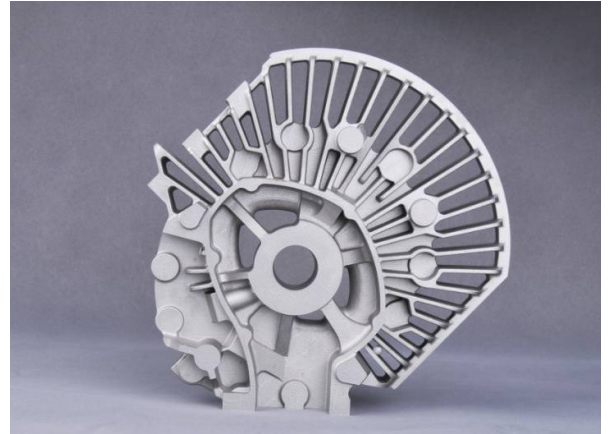
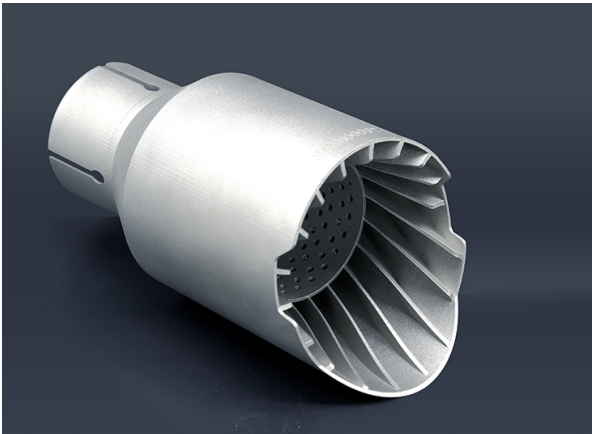
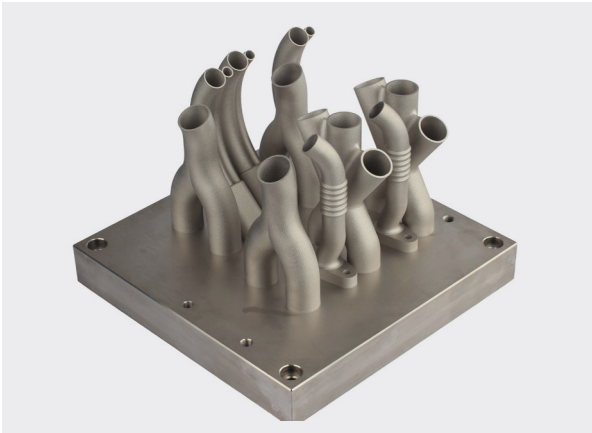
Using the fiber laser directly melt elemental or alloy metal powder material, and can form an arbitrary complex structure and close to 100% density metal parts.

MATERIAL UTILIZATION RATE IS HIGH MAKING COST LOWER

The build part forms layer by layer out of powder and the material utilization rate is over 90%, which is especially suitable for the manufacturing of complex or integrated structure metal parts, such as titanium alloy, nickel alloy and other precious and intractable metal material.

WIDE APPLICATION

EP-M250 has wide application in aerospace, biomedical, automotive, tooling and research, etc.



TECHNICAL SPECIFICATIONS

EP-M250

Build Volume (X*Y*Z)	262x262x350mm ³
Laser	Fiber laser, 500W
Spot Size	70μm
Max Scan Speed	8m/s
Layer Thickness	20-100μm
Build Speed	5-20cm ³ /h *
Material	Titanium Alloy, Aluminium Alloy, Nickel Alloy, Maraging Steel, Stainless Steel, Cobalt Chrome, Copper Alloy, etc.
Power	380V, 26A, 50/60Hz, 10KW
Gas Supply	Ar/N ₂
Oxygen Content of Chamber	≤100ppm
Dimensions (W*D*H)	2500x1000x2100mm ³
Machine Weight	1500kg
Control Software	Eplus 3D printing software
Input Data Format	STL or other convertible file

*The build speed varies according to the configuration and parameters.

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