stomdevice

SHINING 3D®

# EP-M250
# 3D PRINTER
# METAL POWDER BED FUSION




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## 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.

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# TECHNICAL SPECIFICATIONS

## EP-M250

| | |
|---|---|
| Build Volume (X*Y*Z) | 262x262x350mm³ |
| Laser | Fiber laser, 500W |
| Spot Size | 70μm |
| Max Scan Speed | 8m/s |
| Layer Thickness | 20-100μm |
| Build Speed | 5-20cm³/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) | 2500x1000x2100mm³ |
| 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.



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