



**SHINING 3D<sup>®</sup>**  
FOR MORE SHINING IDEAS

# EP-M250 PRO DUAL-LASER 3D PRINTER Metal Powder Bed Fusion

The maverick metal 3D printer for elite quality and increased production



# FEATURES

The EP-M250 Pro is a dual-laser metal 3D printer which uses SHINING 3D's advanced metal powder bed fusion (MPBF) technology. Its highly intuitive user-friendly interface facilitates a reliable and hassle free operation for users in various sectors like research, automotive, aviation and other industrial applications. EP-M250 Pro's optimized re-coating strategy and its unique feature to operate non-stop even during filter changing operation makes it an ideal metal 3D printer for escalated medium sized parts production.

## CONSISTENT PERFORMANCE

- Innovative gas flow management and optimized filter system ensures a stable building environment.
- Outstanding sealing capability optimizes oxygen content.
- Precise laser beam quality control.

## LOW OPERATION COST

- Quantitative powder feeding and coating ensures less powder wastage.
- Advanced filtration system significantly increases filter lifetime.
- Low inert gas consumption during purging and operation.

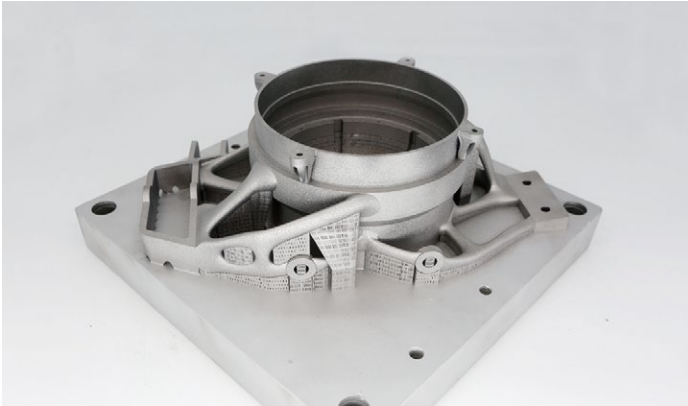
## HIGH PRODUCTIVITY

- Dual-Laser system equipped with build volume of 262x262x350mm.
- Non-stop operation during filter change.
- Optimized recoating strategy shortens coating time.

## RELIABLE AND EASY OPERATION

- Convenient powder recycling systems and glove box minimizes powder contact.
- Intelligent software ensures less human intervention.
- Real-time monitoring of the production environment and building process.

# SAMPLES



Auto steering column for lightweight construction printed with aluminum alloy



Exhaust pipe printed with nickel alloy



3D printed mold with conforming cooling channels printed with maraging steel



Lumbar interbody fusion cage system printed with titanium alloy



Batch production of industrial pipes printed with stainless steel

# TECHNICAL SPECIFICATIONS

## EP-M250 PRO

Build Volume (X*Y*Z)	262x262x350mm <sup>3</sup>
Optical System	Fiber Laser, 500W (single or dual-laser optional)
Spot Size	70μm
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	380V, 20A, 50/60Hz, 14KW
Gas Supply	Ar/N <sub>2</sub>
Oxygen Content	≤ 100ppm
Dimensions (W*D*H)	3500x1300x2300mm <sup>3</sup>
Machine Weight	1700kg
Software	EP Control, EP Hatch
Input Data Format	STL or Other Convertible File
Platform Heating System	Available optionally, platform heating up to 200 degree celcius

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