TECHNICAL SPECIFICATIONS

EP-M250 PRO

Build Volume (X*Y*Z)	262x262x350mm
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_2
Oxygen Content	≤ 100ppm
Dimension (W*D*H)	3500x1300x2300mm
Weight	1700kg
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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EP-M250 PRO

DUAL-LASER 3D PRINTER

Metal Powder Bed Fusion

FEATURES

The EP-M250 Pro is a dual-laser metal 3D printer that uses advanced metal powder bed fusion (MPBF) technology. It is capable of easily and quickly converting CAD data into high-performance,complex structure metal parts. The 3D printer is ideal for medium sized parts and small batch production.

CONSISTENT PERFORMANCE

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

LOW OPERATION COST

· Quantitative powder feeding and coating ensure less powder waste
· Advanced filtration system significantly increases filter lifetime
· Low inert gas consumption during purging and operation

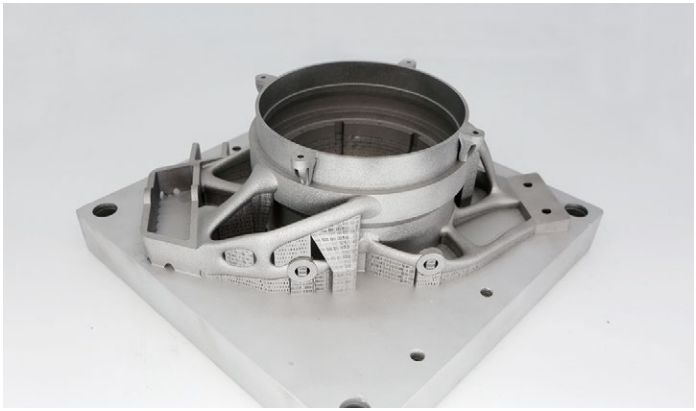
HIGH PRODUCTIVITY

· 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 structure minimize powder contact
· Intelligent software ensures less human intervention
· Real-time monitoring of the production environment and building process

SAMPLES



Auto steering column of lightweight construction in Aluminum Alloy

Exhaust pipe in Nickel Alloy

3D printed mold with conforming cooling channels in Maraging Steel

Lumbar Interbody Fusion Cage System in Titanium Alloy

Batch production of industrial pipes in Stainless Steel