LODESTAR 3D
Building Factories of the Future

E-Plus-3D

EP-M260

High Efficiency & Scale Production
Metal Powder Bed Fusion

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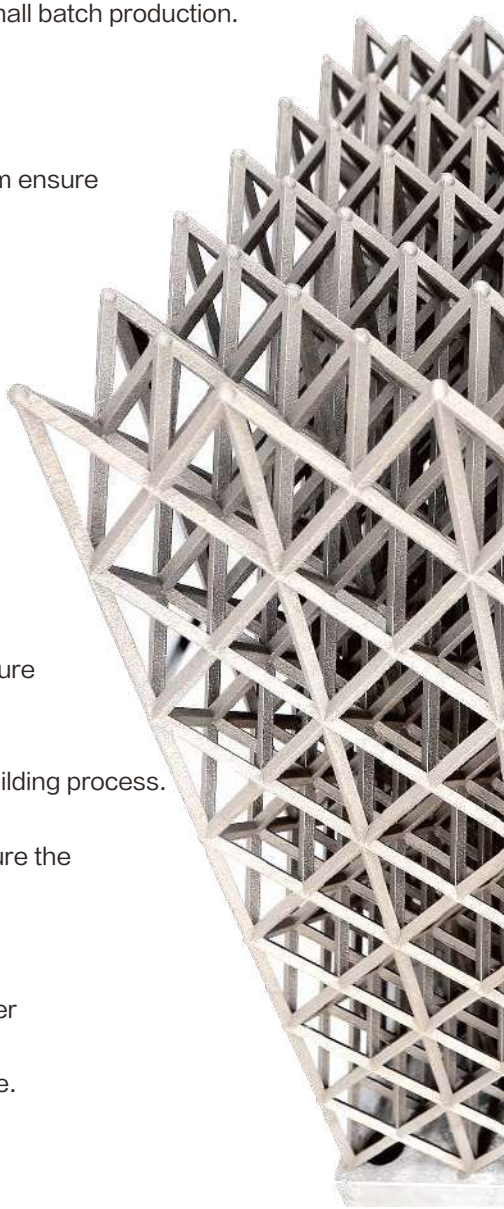
EP-M260

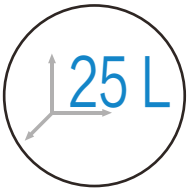
The EP-M260 is an industrial metal 3D printer that uses advanced metal powder bed fusion (MPBF) technology. It is capable of easily and quickly converting CAD data into high-performance, complex structure metal parts. The 3D printer is an ideal choice for medium sized parts and small batch production.



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.

HIGH PRODUCTIVITY



- Dual-Laser system equipped with build volume of 266x266x390mm³.
- 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.
- Double locking from mechanical lock to improve safety.
- Alarming when the access door is open abnormally, to ensure the safety of use.

LOW OPERATION COST

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

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EP-M260 PARAMETER

Machine Model	EP-M260
Build Chamber (XxYxZ)	266x266x390mm³
Optical System	Fiber Laser, 500W/1000W (single or dual-laser optional)
Spot Size	80~120 μm
Max Scan Speed	8m/s
Building Speed (1)	Single laser: 15~35cm³/h Dual laser: 25~55cm³/h
Layer Thickness	20-120 μm
Material	Titanium Alloy, Aluminium Alloy, Nickel Alloy, Maraging Steel, Stainless Steel, Cobalt Chrome, Copper Alloy, etc.
Power Supply	380V, 50/60Hz, 10KW, 24A（Dual laser: 12KW, 30A）
Gas Supply	Ar/N_2
Oxygen Content	≤100 ppm
Dimension (WxDxH)	2800x1300x2410mm³
Weight	2300kg
Software	EP Control, EPHatch
Input Data Format	STL or other Convertible File

（1）Building speed depends on the process parameter, material and laser etc.
＊EPLUS 3D reserves the right to explain any alteration of the specifications and pictures.

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