

FS350M-4

Industrial AM Production Economy

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HIGHLY PRODUCTIVE SYSTEM

Featuring an expanded build cylinder of 433×358×400mm, the FS350M-4 is capable of producing large metal parts from a wide range of powder materials. With quad 500-watt lasers configuration and thicker layer process, the FS350M-4 enhances the build efficiency for industrial scale series production.

EFFICIENCY + SAFETY

Equipped with advanced multi-laser scanning strategy and calibration algorithms, the FS350M-4 offers optimal build efficiency, and uniformed part performance in overlapping areas. The closed-loop Powder Management System, intelligent recoating control, and advanced layered gas flow design allow for efficient, yet uniformed melting process of metal powder.

COST PERFORMANCE + OPEN

The FS350M-4 features a machine footprint as small as 6.03 sqm with an integrated three-stage Filtration System. In an additive factory setting, FS350M-4 enables high density layout to achieve maximum throughput per floor area at economical additive production cost. Like all Farsoon machines, the FS350M-4 is a truly open platform which offers the user a high degree of control to tailor processing parameters for industrial application requirements and cost-competitive metal additive manufacturing.



FARSOON FS350M-4

TECHNICAL DATA		FS350M-4
External Dimensions (L×W×H)	3260×1850×2300 mm (128.3×72.8×90.6 in)	
Build Cylinder Size ¹ (L×W×H)	433×358×400 mm (17.1×14.1×15.7 in) (Height incl. build plate)	
Net Weight	Approx. 3300kg (7275.3 lb)	
Layer Thickness	0.02~0.1 mm (0.0008-0.0039 in)	
Scanning Speed	Max. 10 m/s (32.8 ft/s)	
Laser Type	Quad Lasers, 4×500W	
Scanner	F theta lenses	
Inert Gas Protection	Argon/Nitrogen	
Average Inert Gas Consumption in Process	3-5 L / min	
Operating System	64 bit Windows 10	
Comprehensive Software	BuildStar, MakeStar®	
Key Software Features	Open machine key parameters, real-time build parameter modification, three-dimensional visualization, diagnostic functions	
Data File Format	STL	
Power Supply	EUR/China: 400V±10%, 3~N/PE, 50Hz, 42A US: transformer sold with machine	
Operating Ambient Temperature	22-28°C (71.6-82.4°F)	
Materials ²	316L, AlSi10Mg, Ti6Al4V, 17-4PH, ST1, Maraging Steel Grade 300,more materials to come	

1 The functional build volume depends on the parts/materials.
2 The materials marked with * are in the build process development.

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PART: SHOE MOLD
SYSTEM: FS350M-4
MATERIAL: 316L