

# 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
<b>External Dimensions (L×W×H)</b>	3260×1850×2300 mm (128.3×72.8×90.6 in)
<b>Build Cylinder Size<sup>1</sup> (L×W×H)</b>	433×358×400 mm (17.1×14.1×15.7 in) (Height incl. build plate)
<b>Net Weight</b>	Approx. 3300kg (7275.3 lb)
<b>Layer Thickness</b>	0.02~0.1 mm (0.0008-0.0039 in)
<b>Scanning Speed</b>	Max. 10 m/s (32.8 ft/s)
<b>Laser Type</b>	Quad Lasers, 4×500W
<b>Scanner</b>	F theta lenses
<b>Inert Gas Protection</b>	Argon/Nitrogen
<b>Average Inert Gas Consumption in Process</b>	3-5 L / min
<b>Operating System</b>	64 bit Windows 10
<b>Comprehensive Software</b>	BuildStar, MakeStar®
<b>Key Software Features</b>	Open machine key parameters, real-time build parameter modification, three-dimensional visualization, diagnostic functions
<b>Data File Format</b>	STL
<b>Power Supply</b>	EUR/China: 400V±10%, 3~/N/PE, 50Hz, 42A US: transformer sold with machine
<b>Operating Ambient Temperature</b>	22-28°C (71.6-82.4°F)
<b>Materials<sup>2</sup></b>	316L, AISi10Mg, Ti6Al4V, 17-4PH, ST1, Maraging Steel Grade 300, more materials to come

<sup>1</sup> The functional build volume depends on the parts/materials.

<sup>2</sup> The materials marked with \* are in the build process development.

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

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