

# FS200M-2

A High-value Proposition Metal System for Series Production

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## READY FOR SERIES PRODUCTION

Featured with a versatile rectangular build envelope of 425×230×300mm and two powerful 500-Watt fiber lasers, the FS200M-2 is created to meet the highest manufacturing standards for series production in molds & tooling, automotive and many other industries; addressing customer's pain points such as productivity, cost-performance and ease of use.

## SIMPLY PRODUCTION

With the combination of advanced dual-laser scanning strategies, industry-leading communication speeds, robust recoater design, the FS200M-2 is able to achieve faster production speed while ensuring required surface quality. The high-efficiency top-feed powder system and the convenient powder delivery unit offers great efficiency for material handling without disturbing the build process.

## REDUCED MANUFACTURING COST

Equipped with an integrated, two-stage filter module, the FS200M-2 is suited for longer manufacturing operation and helps reducing the cost of the filter changes. The compact machine design of 3.48 square meters footprint enables denser, flexible factory layout for maximum throughput yield per floor area for a true economical production cost.

# FARSOON FS200M-2

## TECHNICAL DATA

## FS200M-2

<b>External Dimension (L×W×H)</b>	2320×1500×1980 mm (91.3×59.1×78.0 in)
<b>Build Cylinder Size (L×W×H)</b>	425×230×300 mm (16.7×9.1×11.8 in) (Height incl. build plate)
<b>Effective Build Size<sup>1</sup> (L×W×H)</b>	420×225×300 mm (16.5×8.9×11.8 in) (Height incl. build plate)
<b>Net Weight</b>	Approx. 2000 kg (4409.2 lb)
<b>Layer Thickness</b>	0.02~0.1 mm (0.0008-0.0039 in)
<b>Scanning Speed<sup>2</sup></b>	Max. 10 m/s (32.8 ft/s)
<b>Laser Type</b>	Dual fiber lasers, 2×500W
<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, automatic grafting alignment option available
<b>Data File Format</b>	STL
<b>Power Supply</b>	EUR/China: 400V±10%, 3~/N/PE, 50Hz, 30A US: transformer sold with machine
<b>Operating Ambient Temperature</b>	22-28°C (71.6-82.4°F)
<b>Materials<sup>3</sup></b>	316L, 17-4PH, ST1, AISi10Mg, Maraging Steel Grade 300, 420*, more materials to come

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

2 For different industries and customer needs, this data may vary.

3 The materials marked with \* are in the build process development.

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**PART: SHOE MOLD**  
SYSTEM: FS200M-2  
MATERIAL: 316L

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