

FS271M

A cost-effective and powerful metal laser sintering solution

www.farsoon.com



METALS SOLUTION

With a 500W Yb-fiber laser, high-accuracy custom scanning algorithms and a 275x275x340mm build cylinder size, the FS271M is the logical choice for the demanding customer including aerospace, automotive, and medical applications.

PRICE & PERFORMANCE

The FS271M brings both performance and price advantage to the user. Farsoon is dedicated to high quality utilizing premium parts for all key components and incorporates the latest safety systems with inert gas supply and over-sized protective filter systems all at a price that is accessible for any business.

OPEN PLATFORM

Farsoon is the only laser sintering system producer that allows for complete freedom of operation of its machines. This means that machine parameters and powder choice are unlocked for the user allowing for previously-impossible levels of freedom and flexibility when it comes to MLS production.



FARSOON FS271M

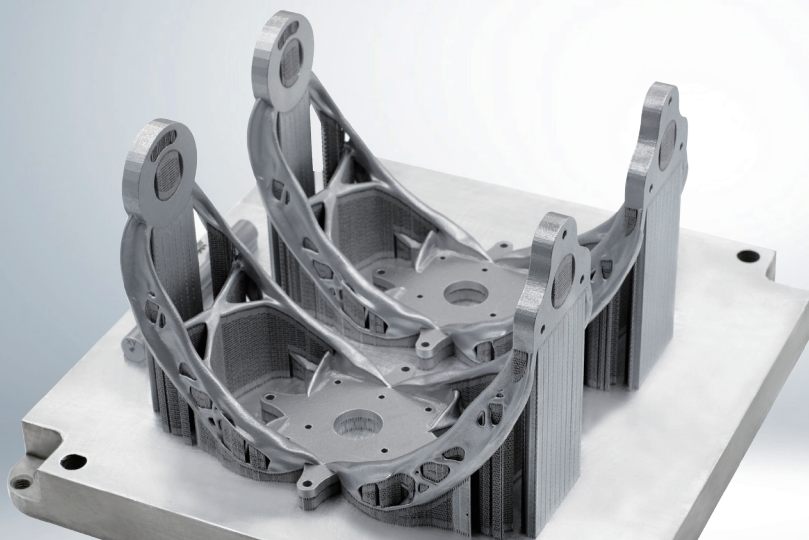
TECHNICAL DATA

FS271M

External Dimensions (L×W×H)	1750×1430×1860 mm
Build Cylinder Size ¹ (L×W×H)	275×275×340 mm (not including build plate thickness)
Net Weight	Approx. 2033 kg
Layer Thickness	0.02~0.1 mm
Scanning Speed	Max. 15.2 m/s
Laser Type	Fiber laser, 1×500W
Scanner	High-precision three-axis digital galvo system
Laser Spot Size	Approx. 70μm contour, 70-200μm fill
Base-Plate Heating	200°C
Inert Gas Protection	Argon/Nitrogen
Average Inert Gas Consumption in Process	<3 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: 380-400V, 50/60Hz, three-phase US: transformer sold with machine
Operating Ambient Temperature	22-28°C
Materials	FS 316L, FS 17-4PH, FS 15-5PH, FS 420, FS 18Ni300, FS AISi10Mg, FS TA15, FS CoCrMoW, FS CoCrMo, FS Ti6Al4V, FS IN625, FS IN718, FS GH3536, FS CuSn10

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

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PART: ROBOTIC STABILIZER MOUNT
DESIGN SOFTWARE: AUTODESK FUSION 360®
MATERIAL: FS Ti6Al4V
SYSTEM: FS271M

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