

# FS121M

Accessible small frame metal laser sintering system

[www.farsoon.com](http://www.farsoon.com)



## FLEXIBLE SOLUTION

The FS121M is an incredibly flexible system allowing the user to select between multiple spot sizes and recoating blades, this combined with a small footprint and reduced need for ancillary equipment allows the FS121M to match customer workspace, material and application requirements.

## PRICE & PERFORMANCE

The FS121M features a 200W Yb-fiber laser and a fully digital scanning system. These features along with a fine spot size allows for the creation of very detail and complex parts. 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 FS121M

## TECHNICAL DATA

## FS121M

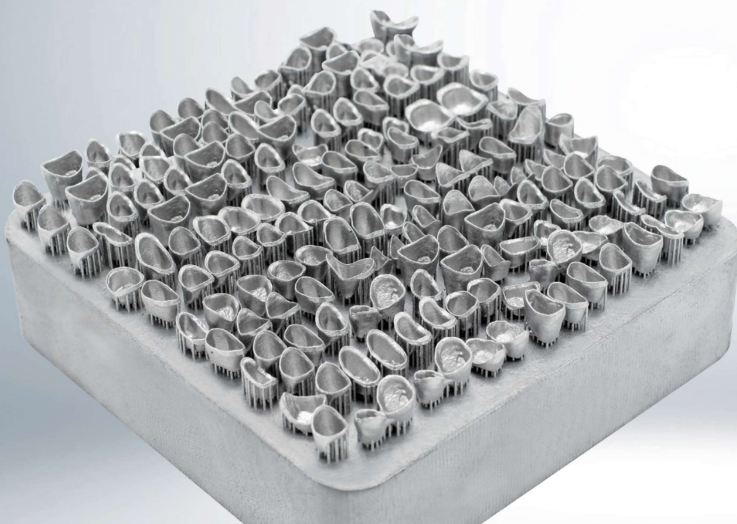
<b>External Dimensions (L×W×H)</b>	780×1000×1700 mm
<b>Build Cylinder Size<sup>1</sup> (L×W×H)</b>	120×120×100 mm (not including build plate thickness)
<b>Net Weight</b>	Approx. 700 kg
<b>Layer Thickness</b>	0.02mm~0.08mm
<b>Scanning Speed</b>	Max. 15.2 m/s
<b>Laser Type</b>	Fiber laser, 1×200W
<b>Scanner</b>	High-precision three-axis digital galvo system
<b>Laser Spot Size</b>	Approx. 40μm contour, 40-100μm fill
<b>Inert Gas Protection</b>	Argon/Nitrogen
<b>Average Inert Gas Consumption in Process</b>	<3 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: 220-230V, 50/60Hz, single phase    US: transformer sold with machine
<b>Operating Ambient Temperature</b>	22-28°C
<b>Materials</b>	FS 316L, FS CoCrMoW, FS CoCrMo, FS 17-4PH, FS CuSn10

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

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PART: DENTAL CROWNS  
MATERIAL: FS CoCrMoW  
SYSTEM: FS121M

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