

FS121M

Accessible small frame metal laser sintering system

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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.

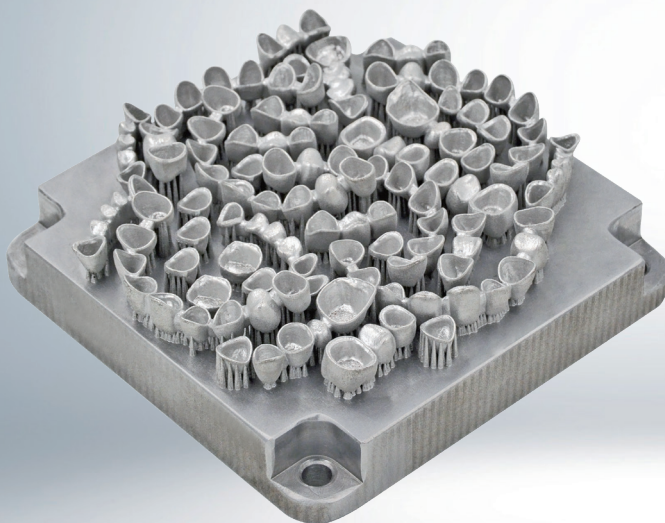


FARSOON FS121M

TECHNICAL DATA	FS121M
External Dimensions (L×W×H)	1000x780x1700 mm
Build Cylinder Size¹ (L×W×H)	120x120x100 mm (including build plate thickness)
Net Weight	Approx.700 kg
Layer Thickness	0.02mm~0.08mm
Scanning Speed	Max. 15.2 m/s
Laser Type	Fiber laser, 1×200W
Scanner	High-precision three-axis digital galvo system
Focus Diameter	Approx. 40um, defocusing spot diameter 40 - 100um
Average Inert Gas Consumption in Process	<3 L / min. (Argon/Nitrogen)
Operating System	64 bit Windows 7
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: 220-230V, 50/60Hz, 3KVA, single phase US: transformer sold with machine
Operating Ambient Temperature	22-28°C
Materials	FS 316L, FS CoCrMoW, FS CoCrMo,FS 17-4PH, FS CuSn10

¹ 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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