

FS121M

Accessible small frame metal laser sintering system

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.

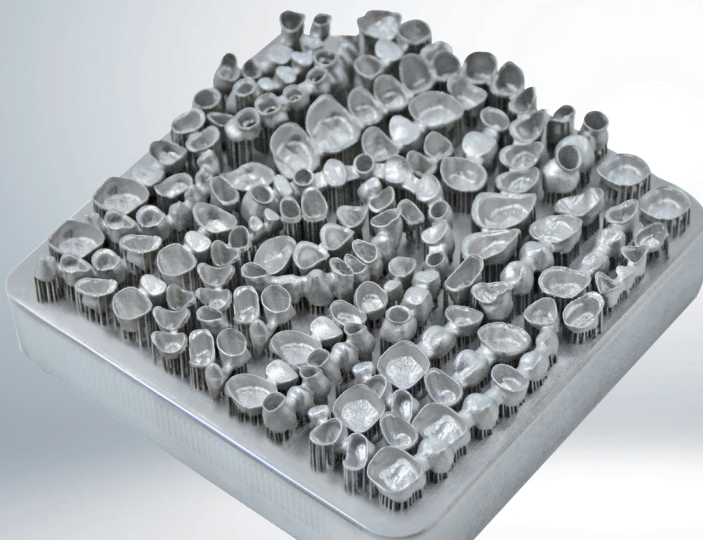


FARSOON FS121M

TECHNICAL DATA	FS121M
External Dimensions (L×W×H)	780×1000×1700 mm (30.7×39.4×66.9 in)
Build Cylinder Size¹ (L×W×H)	120×120×100 mm (4.7×4.7×3.9 in) (not including build plate thickness)
Net Weight	Approx. 700 kg (1543.2 lb)
Layer Thickness	0.02mm~0.08mm (0.0008-0.0031 in)
Scanning Speed	Max. 15.2 m/s (49.9 ft/s)
Laser Type	Fiber laser, 1×200W
Scanner	High-precision three-axis digital galvo system
Laser Spot Size	Approx. 40μm contour, 40-100μm fill
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: 220-230V, 50/60Hz, single phase US: transformer sold with machine
Operating Ambient Temperature	22-28°C (71.6-82.4°F)
Materials	316L, 17-4PH, Maraging Steel Grade 300, HX, Cu, CuSn10, CoCrMoW, CoCrMo, more materials to come

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

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PART: DENTAL CROWNS
MATERIAL: CoCrMoW
SYSTEM: FS121M

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