

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 300W or 500W 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

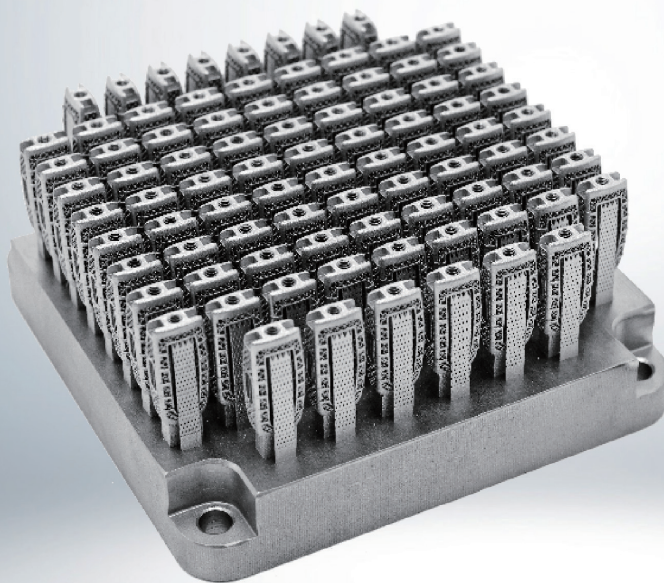
Farsoon is the only laser sintering system producer that allows for complete freedom of operation of its machines. This means that machine parameters and powder choice are unlocked for the user allowing for previously-impossible levels of freedom and flexibility when it comes to MLS production.

FARSOON FS121M

TECHNICAL DATA	FS121M	FS121M-E
External Dimensions (L×W×H)	780×1100×1700 mm (30.7×43.3×66.9 in)	
Build Cylinder Size¹ (L×W×H)	120×120×100 mm (4.7×4.7×3.9 in) (Height incl. build plate)	
Net Weight	Approx. 700 kg (1543.2 lb)	
Layer Thickness	0.02mm~0.08mm (0.0008-0.0031 in)	0.02mm~0.03mm (0.0008-0.001 in)
Scanning Speed	Max. 10m/s (32.8 ft/s)	
Laser Type	Fiber laser, 500W	Fiber laser, 300W
Scanner	F theta lenses	
Inert Gas Protection	Argon/Nitrogen	
Average Inert Gas Consumption in Process	3-5 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: 220V±10%, 1~/N/PE, 50Hz, 14A	US: transformer sold with machine
Operating Ambient Temperature	22-28°C (71.6-82.4°F)	
Materials	316L, Ti6Al4V, more materials to come	

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

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PART: POROUS INTERSPINAL FUSION CAGE
 MATERIAL: Ti6Al4V
 SYSTEM: FS121M

Novastar Solutions | 734.453.8003 | info@novastar.net | www.novastar.net | 35200 Plymouth Rd. Livonia, MI. 48150

AMEA Farsoon Technologies Co., Ltd. | +86.731.8397.6198 | globalinfo@farsoon.com | No. 181 Linyu Road, Changsha National High-Tech Industrial Zone, Hunan, China

AMERICAS Farsoon Americas CORP. | +1 512-551-9901 | contact@farsoonam.com | 3161 Eagles Nest Street, Suite 350, Round Rock, TX 78665

www.farsoon.com