

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.

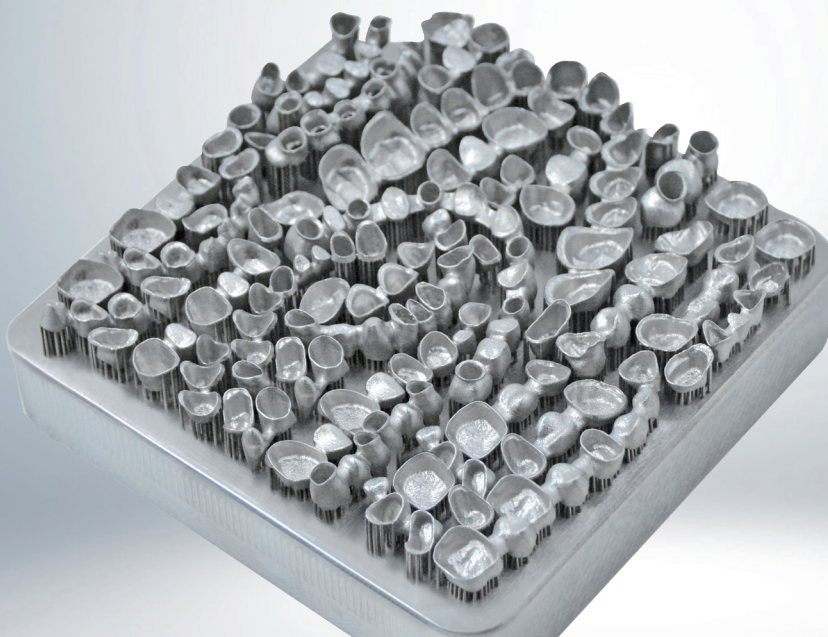


FARSOON FS121M

TECHNICAL DATA	FS121M	FS121M-E
External Dimensions (L×W×H)	780×1000×1700 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)	0.02mm~0.03mm (0.0008-0.001 in)
Scanning Speed	Max. 15.2 m/s (49.9 ft/s)	Max. 10m/s (32.8 ft/s)
Laser Type	Fiber laser, 300W or 500W	Fiber laser, 300W
Scanner	Dynamic focusing system	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, 17-4PH, Ti6Al4V, AlSi10Mg, Maraging Steel Grade 300, HX, Cu, CuSn10, CoCrMoW, CoCrMo, more materials to come	316L, 17-4PH, Cu, CuSn10, CoCrMoW, CoCrMo, more materials to come

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

Many factors may affect the performance characteristics of products. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. Farsoon makes no warranties of any type, express or implied, including but not limited to, the warranties of merchantability or fitness for a particular use. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. Farsoon reserves the right to change the technical data without notice. Farsoon®, BuildStar®, MakeStar® are registered trademarks of Farsoon Technologies. Last Change: 2022-08



PART: DENTAL CROWNS
 MATERIAL: CoCrMoW
 SYSTEM: FS121M

www.farsoon.com

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 | info@farsoonam.com | 3161 Eagles Nest Street, Suite 350, Round Rock, TX 78665

EUROPE Farsoon Europe GmbH | +49 711 13796 0 | wehelpyou@farsoon-eu.com | Liebknechtstrasse 33, 70565 Stuttgart, Germany