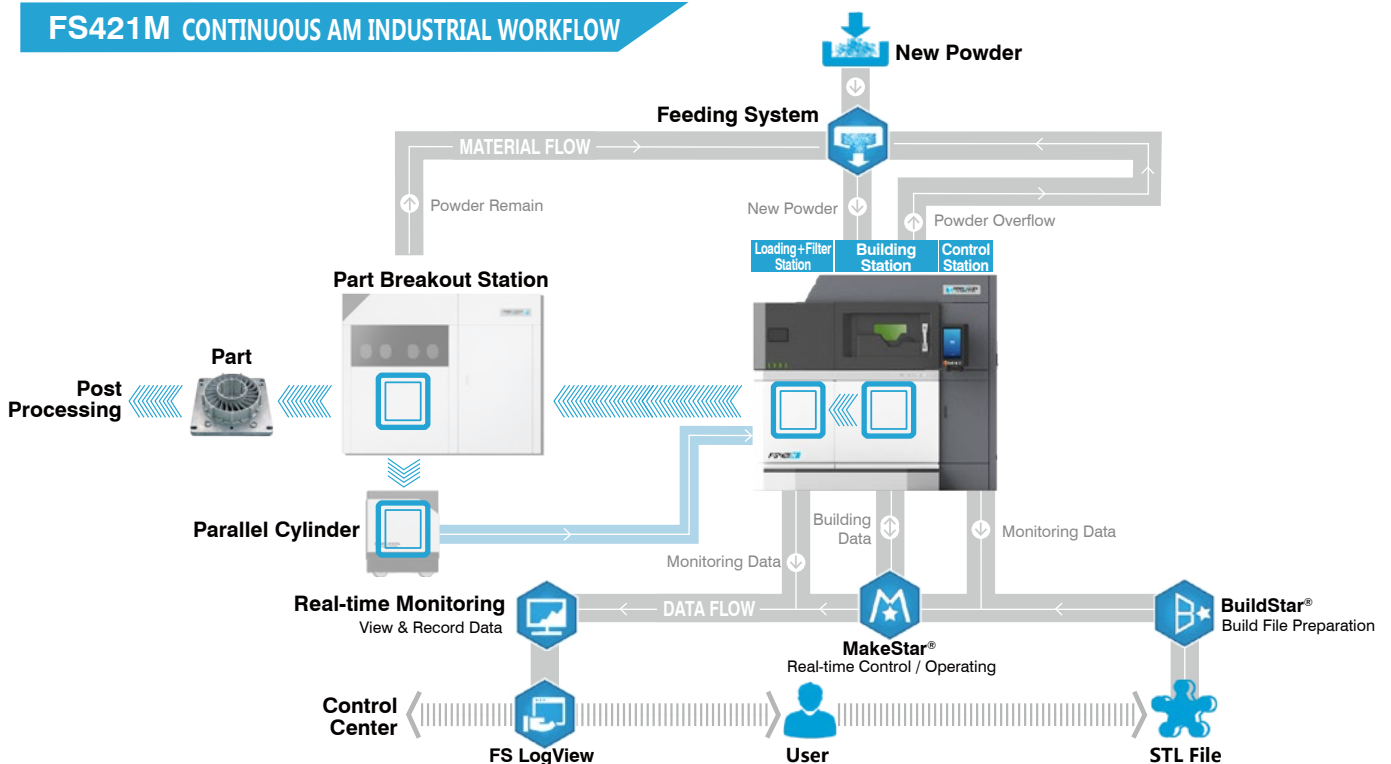


FARSOON FS421M

SPECIFICATIONS	FS421M
External Dimensions (LxWxH)	2700mm×1290mm×2290mm
Effective Build Size (LxWxH)	425mm×425mm×420mm
Net Weight	3500kg
Layer Thickness (Typical)	0.02-0.1 adjustable
Scanning Speed	15.2 m/s
Laser Type	500W (Dual laser optional)
Scanner	High-precision (three-axis) galvo scanning system (Dual scanner optional)
Spot Diameter	70~200μm adjustable
Inert gas supply	Argon or Nitrogen
Gas protective system	Gas dust recovery system
Operating System	64 bit Windows 7
System Control Software	Farsoon MakeStar® open platform control interface
Data File Format	STL
Power Requirements	380VAC , 50/60Hz , 18KVA , Three-phase Five-wire
Installation Floor Load Capacity	≥ 800kg/m ²
Recirculating Chiller	550mm×650mm×950mm
Operating Conditions	25±3°C
Material	FS 316L、FS 17-4PH、FS 15-5PH、FS 420、FS 18Ni300、FS AISi10Mg、FS CoCrMoW、FS CoCrMo、FS Ti6Al4V、FS IN625、FS IN718、FS GH3536、FS CuSn10, etc

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FS421M CONTINUOUS AM INDUSTRIAL WORKFLOW



FS421M

Continuous Additive Manufacturing System

▶ www.farsoon.com



DESIGNED FOR PRODUCTION

The FS421M additive metal melting system is a true manufacturing systems capable continuous production. With its 425x425x420mm build volume the FS421M is capable of producing large metal parts from a wide range of metal powder materials. The large build volume combined with a multi-laser and fully digital optics system enable enhanced production speed while the internal rail system enables the fast exchange of cylinders between builds.

EFFICIENCY + SAFETY

The FS421M comes equipped with an all new closed looped powder handling system. Powder supply, transport, feeding, and recycling are all integrated into one inert system. The FS421M's powerful and highly efficient air filtration systems allows for the processing of reactive materials while it's high capacity and auto-cleaning capability allows for extended use between filter changes.

OPEN + FRIENDLY SYSTEM

The FS421M like all Farsoon systems allows for complete freedom of operation by its users. This means that all machine parameters are unlocked for the user as well as an open material policy allowing for previously-impossible levels of freedom and flexibility when it comes to additive metal melting production. In addition, the in house Farsoon software allows for ease of use with both an advanced user interface as well as a touch screen based production interface for everyday use.

