

FLIGHT 403P SERIES PLASTIC LPBF SYSTEM

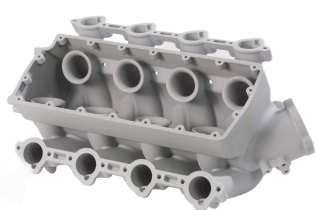


The Next Generation of High-speed Laser Sintering

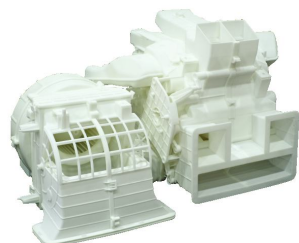
Combine extreme sintering speed and high feature resolution

Truly open industrial grade plastic LPBF platform

REPEATABLE, HIGH-QUALITY PARTS



Automotive



Aerospace



Consumer Products



Mold



Medical & Dental

YOUR PRODUCTION TOOLS FOR INDUSTRIAL PLASTIC AM

We provide top-tier industrial-grade plastic LPBF systems, materials, and software. Our solutions offer unmatched flexibility in machine operation and material selection, with open parameter sets and processing chamber temperatures ranging from 190°C to 280°C.

MATERIALS

Farsoon excels in high-performance PA12 and PA6 materials, developed by our strong R&D team. We also collaborate with leading suppliers to offer new, advanced materials through our open material policy.

FS3300PA, FS3300PA-F, FS3201PA-F, FS3401GB, FS3401GB-F, FS4100PA, FS3150CF, FS3250MF, FS6140GF, FS1092A-TPU*, FS8100PPS, FS4100PA, FS 1092A-TPU, FS1088A-TPU*, Ultrasint®, PA6*, Ultrasint® PP nat 01*, LUVOSINT TPU X92A-1064 WT.

FLIGHT 403P SERIES PLASTIC LPBF SYSTEM

INDUSTRIAL-SCALE BUILD ENVELOPE 15.7 × 15.7 × 21.3 IN

**POWERFUL SINGLE 500-WATT FIBER LASER
ENABLE SUPERIOR PRODUCTION SPEED**

**FEATURED DETAILS AS
SMALL AS 0.3MM**

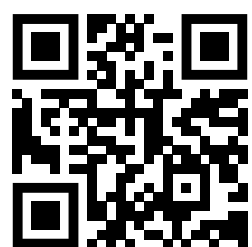
TECHNICAL DATA	FLIGHT® SS403P-2	FLIGHT® HT403P-2
External Dimensions (L×W×H)	2470×1500×2185 mm (97.2×59.1×86.0 in)	
Build Cylinder Size ¹ (L×W×H)	400×400×450 mm (15.7 × 15.7 × 17.7 in) or 400×400×540 mm (15.7 × 15.7 × 21.3 in)	
Net Weight	Approx. 3060 kg (6746.1 lb)	
Laser Type	Fiber Lasers, 2×300W	
Scanner	High-precision three-axis galvo system	
Layer Thickness	0.06 - 0.3 mm (0.0024-0.0118 in)	
Volume Build Rate ²	Up to 9 L/h	
Scanning Speed	Max. 20 m/s (65.6 ft/s)	
Max. Chamber Temperature	190°C (374 °F)	220°C (428 °F)
Thermal Field Control	Eight-zone heater & intelligent temperature control systems	
Temperature Regulation	Continuous real-time build surface temperature monitoring & optimization	
Operating System	64 bit Windows 10	
Comprehensive Software	BuildStar, MakeStar®	
Data File Format	STL	
Key Software Features	Open machine key parameters, real-time build parameter modification, three-dimensional visualization, diagnostic functions	
Inert Gas Protection	Nitrogen	
Power Supply	EUR/China: 400V±10%, 3~/N/PE, 50/60Hz, 32A US: transformer sold with machine	
Operating Ambient Temperature	22 - 28 °C (71.6-82.4 °F)	
Materials	FS3300PA-F, FS3401GB-F, FS3201PA-F, LUVOSINT® TPU X92A-1064 WT, more materials to come	



Underwater drone propeller protection cover



Automotive_Multi-directional Connector_FS3150CF_SS403P



Additive Plus combines technology, expertise, and a personal touch to deliver various 3D printing services and products: 3D printers, 3D scanners, atomizers, industrial vacuums, laboratory and analytical instruments, industrial machinery, furnaces, software, materials and many more. Local engineering and maintenance team. Flexible payments terms available. We aim to empower everyone to live their additive journey effectively.

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Sustainable
3D Manufacturing