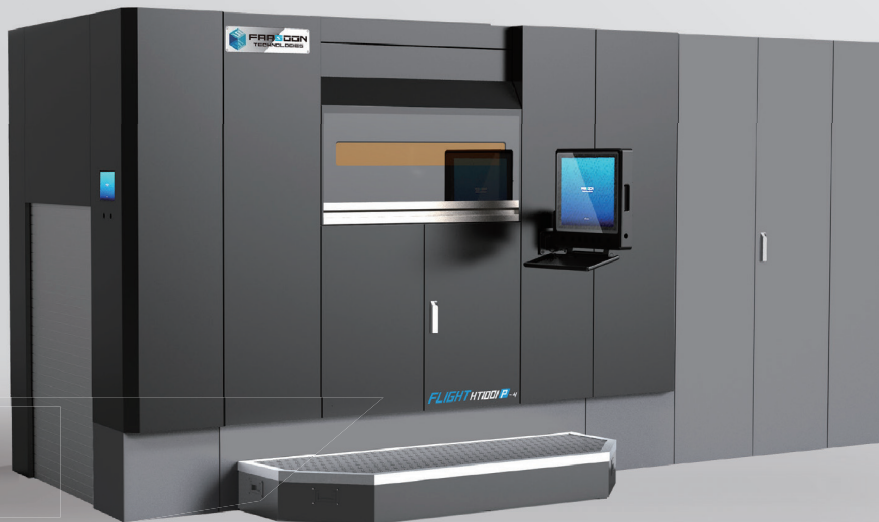


FLIGHT® HT1001P

×4 Laser | ×3 Power | ×3 Volume¹ | Ultimate System for Productivity

▶ www.farsoon.com



QUAD-FIBER LASER FOR MAXIMUM PRODUCTIVITY

The innovative application of high-speed Flight® Technology on HT1001P CAMS platform boosts industry-leading productivity for large-sized parts. Featuring expanded build cylinder measuring 1000mm×500mm×450mm and powerful dual or quad 300-watt fiber lasers, the Flight® HT1001P creates two or four ultra-fine laser spots with fast scanning speed of up to 20m/s (66ft/s) for each; the continuous batch production capability significantly improves machine uptime and offers maximum throughput yield per floor area within the same time frame.

QUALITY ENGINEERING PARTS

The Flight® HT1001P is capable of achieving chamber temperatures of up to 220°C to process high-temperature engineering materials such as PA6, PA66 for direct-use end parts. With patented multi-zone heater & intelligent temperature control system, the Flight® HT1001P can achieve a uniform thermal distribution throughout the platform ensuring the consistent mechanical properties and surface quality of the build parts.

POWDER MANAGEMENT

Designed for industrial-scale manufacturing, the Flight® HT1001P system is featured with a comprehensive, closed-loop powder handling system with increased level automation and minimal operator interaction with the powder. Highly efficient top-feeding powder delivery, robust roller re-coating system and fully enclosed de-powdering station enables streamlined material workflow with improved productivity, safety and operation ease.

OPEN & MODULAR

The Flight® HT1001P like all Farsoon systems is fully open. This means Farsoon system is an open material model. Besides a list of standard material config files ready for serial production, users have full access to a wide range of key parameters for tuning customized processing parameters from third party engineering materials. In addition, the Flight® HT1001P's modular design allows for the easy addition of future stations for pre and post processing as well as integration into existing production lines.



FARSOON FLIGHT® HT1001P

TECHNICAL DATA

FLIGHT® HT1001P-2

FLIGHT® HT1001P-4

| | | |
|--|--|---------------------|
| External Dimensions (L×W×H) | 5820×2375×2185 (Full Module) (229.1×93.5×86.0 in) , 2960×2375×2185 mm (Build Station only) (116.5×93.5×86.0 in) | |
| Build Cylinder Size² (L×W×H) | 1000×500×450 mm (39.4×19.7×17.7 in) | |
| Net Weight | Approx. 5000 KG (11023.1 lb) (Full Module) / 3500KG (7716.2 lb) (Build Station only) | |
| Laser Type | Fiber Laser, 2×300W | Fiber Laser, 4×300W |
| Scanner | High-precision three-axis galvo system | |
| Layer Thickness | 0.06~0.3 mm (0.0024-0.0118 in) | |
| Scanning Speed | Max. 20 m/s (66 ft/s) | |
| Max. Chamber Temperature | 220°C (428°F) | |
| Thermal Field Control | Multi-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, 50A US: transformer sold with machine | |
| Operating Ambient Temperature | 22-28°C (71.6-82.4°F) | |
| Materials | FS4200PA-F, FS3300PA-F, FS3201PA-F, FS3401GB-F, FS6140GF-F, WANFAB-PU95AB, Ultrasint® TPU88A black, LUVOSINT® TPU X92A-1064 WT, more materials to come | |

1 Numbers of laser, laser power and build volume comparable to Farsoon SS403P system.

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

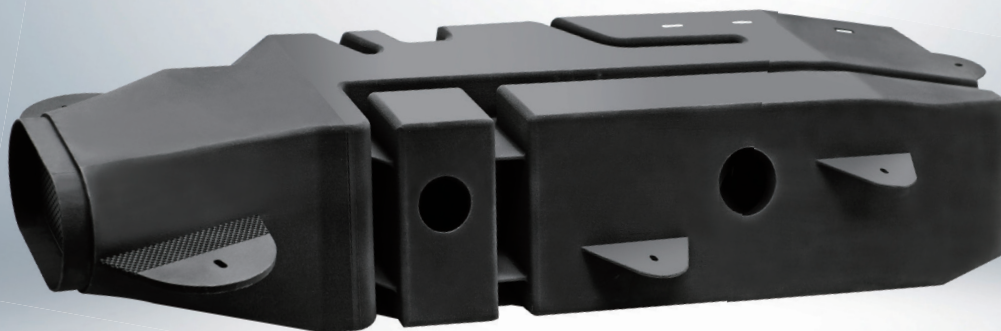
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TRUCK AIR INLET SYSTEM COMPONENT

MATERIAL: FS3401GB-F

SYSTEM: FLIGHT® HT1001P-4

SIZE: 901×155×372mm (35.5×6.1×14.6 in)



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