

252P SERIES

A powerful, high temperature industrial 3D printing system for your additive manufacturing needs

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HIGH TEMPERATURE

The 252P series is capable of achieving chamber temperatures of up to 220°C and 280°C with the HT252P and ST252P systems. Enhanced temperature shielding, laser power and thermal controls enable the 252P series to process high-performance materials such as PA6, PA66, and PEI for direct-use applications.

APPLICATIONS

With the 252P series, Farsoon is able to support a wide range of additive solutions in various industries including scientific research, automotive, medical, and aerospace. Like all other Farsoon systems the 252P series is open platform allowing for unprecedented freedom in manufacturing and material development.

PRODUCTION INTERFACE

The 252P series features a streamlined touch screen based UI configuration for the production environment. With the capability to switch between production mode and expert mode the 252P offers both easy operations and control to the user.

COMPREHENSIVE SOFTWARE

The 252P series like all Farsoon systems is offered with a full set of self-developed Farsoon software. This powerful set of tools enables a variety of functions that range from build preparation to machine control and operations while remaining completely compatible with third party software and materials.



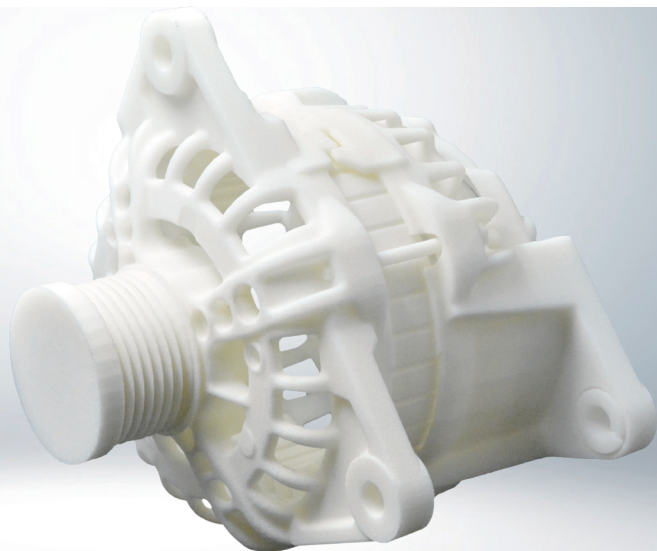
FARSOON 252P SERIES

TECHNICAL DATA	ST252P	HT252P
External Dimensions (L×W×H)	1735×1225×1975 mm	
Build Cylinder Size¹ (L×W×H)	250×250×320 mm	
Net Weight	Approx. 2100KG	
Laser Type	CO ₂ laser, 1×100W	CO ₂ laser, 1×60W
Scanner	High-precision digital galvo system	
Layer Thickness	0.06~0.3mm	
Volume Build Rate²	Up to 2.5 L/h	Up to 1.5 L/h
Scanning Speed	Max.10 m/s	
Max. Chamber Temperature	280°C	220°C
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	
UI Mode	Real-time interchangeable expert mode and production mode	
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: 380-400V, 50/60Hz, three-phase US: transformer sold with machine	
Operating Ambient Temperature	22-28°C	
Materials	FS 3300PA, FS 3400CF, FS 3401GB, FS 3250MF, FS 4100PA, Ultrasint X043, Ultrasint X028, FS 8100PPS, FS 1092A-TPU, FS 1088A-TPU(PPS and TPU for ST252P only)	

¹ The functional build volume depends on the parts/materials.
² Volume build rate depends on the parts/materials.

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PART: AUTOMOTIVE MOTOR HOUSING
MATERIAL: Ultrasint X028
SYSTEM: ST252P



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