FARSOON 252P

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

HIGH TEMPERATURE

The 252P series is capable of achieving chamber temperatures of up to 220℃ and 280℃ 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 TECHNOLOGIES

FARSOON 252P SERIES

SPECIFICATIONS	HT252P	ST252P
External Dimensions	1735×1225×1975 mm	
Max Build Size	250×250×320 mm	
Effective Build Size*	220×220×320 mm	
Layer Thickness(Typical)	0.1 mm (0.06~0.3mm)	
Volume Build Rate**	1.2L/h	
Scanner	High-precision galvo scanning system	
Scanning Speed	10m/s	
Laser Type	CO_2 60W	CO_2 100W
Power Requirements	380VAC, 50/60Hz, 16KVA, Three-Phase Five-Wire	
Powder Feed Mode	Bi-Directional powder feed system with single feed cylinder	
Max. Chamber Temperature	220°C	280°C
Heating Element	Golden infrared heater	
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 7	
UI Mode	Interchangeable expert mode and production mode	
System Control Software	Farsoon MakeStar® open platform control interface	
Data File Format	STL	
Key Software Feature	Manual and automatic control modes, real-time build parameter modification, three-dimensional visualization, diagnostic functions	
Material	FS 3300PA、FS 3250MF、FS 3400CF、FS 3400GF、FS 6028PA (PA6)、PA 66 (ST Only)、FS TPU95A	

* Build quality degradation may occur outside the effective build size. ** Max build rate, material dependent

PART: AUTOMOTIVE MOTOR HOUSING
MATERIAL: FS 6028PA
SYSTEM: ST252P