

# 252P SERIES

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

[www.farsoon.com](http://www.farsoon.com)



## HIGH TEMPERATURE

The 252P series offers three configurations capable of achieving chamber temperatures from up to 220°C (HT) to 280°C (ST) and 340°C (UT). Enhanced temperature shielding, laser power and thermal controls enable the 252P series to process high-performance materials such as PA6, PA66, PPS, PAEK, PI, PTFE 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.

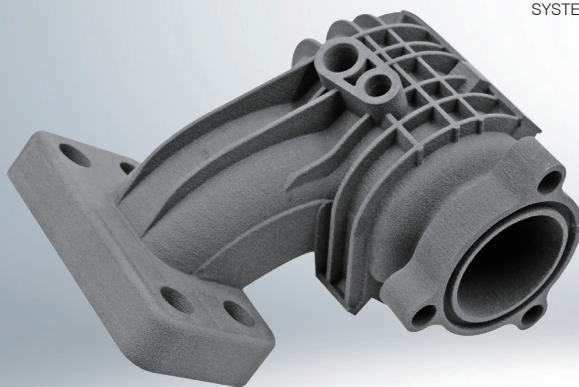


# FARSOON 252P SERIES

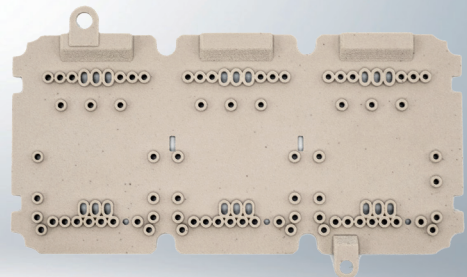
TECHNICAL DATA	UT252P	ST252P	HT252P
<b>External Dimensions (L×W×H)</b>	1735×1300×2000 mm (68.3×51.2×78.7 in)	1735×1225×1975 mm (68.3×48.2×77.8 in)	1735×1205×1975 mm (68.3×47.4×77.8 in)
<b>Build Cylinder Size<sup>1</sup>(L×W×H)</b>	250×250×320 mm (9.8×9.8×12.6 in)		
<b>Net Weight</b>	Approx. 2500 kg (5511.6 lb)	Approx. 1700 kg (3747.9 lb)	Approx. 1700 kg (3747.9 lb)
<b>Laser Type</b>	CO <sub>2</sub> laser, 1×100W	CO <sub>2</sub> laser, 1×100W	CO <sub>2</sub> laser, 1×55W
<b>Scanner</b>	High-precision galvo system		
<b>Layer Thickness</b>	0.06~0.3mm (0.0024-0.0118 in)		
<b>Volume Build Rate<sup>2</sup></b>	Up to 1.2 L/h	Up to 2.5 L/h	Up to 1.5 L/h
<b>Scanning Speed</b>	Max.10 m/s (32.8 ft/s)		
<b>Max. Chamber Temperature</b>	340°C (644°F)	280°C (536°F)	220°C (428°F)
<b>Thermal Field Control</b>	Eight-zone heater & Intelligent temperature control systems		
<b>Temperature Regulation</b>	Continuous real-time build surface temperature monitoring & optimization		
<b>Operating System</b>	64 bit Windows 10		
<b>Comprehensive Software</b>	BuildStar, MakeStar®		
<b>Data File Format</b>	STL		
<b>Key Software Features</b>	Open machine key parameters, real-time build parameter modification, three-dimensional visualization, diagnostic functions		
<b>Inert Gas Protection</b>	Nitrogen		
<b>Power Supply</b>	EUR/China: 400V±10%, 3~/N/PE, 50/60Hz, 32A US: transformer sold with machine		
<b>Operating Ambient Temperature</b>	22-28°C (71.6-82.4°F)		
<b>Materials</b>	FS3300PA, FS3401GB, FS4100PA, FS3150CF, FS3250MF, Ultrasint® PP nat 01, FS1092A-TPU, FS1088A-TPU, FS6140GF, Ultrasint® PA6, WANFABPU95AB, Ultrasint® TPU 88A black, FS8100PPS-GF (for ST252P & UT252P), PAEK Family (for UT252P), more materials to come		

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

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ENGINE INTAKE MANIFOLD  
MATERIAL: FS6140GF  
SYSTEM: HT252P



HPD PACKAGE MODULE COVER  
MATERIAL: PAEK FAMILY  
SYSTEM: UT252P

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