

252P SERIES

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

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HIGH TEMPERATURE

The 252P series offers three configurations capable of achieving build chamber temperatures from up to 220°C (HT) to 280°C (ST) and 350°C (UT). Enhanced temperature shielding, laser power, and thermal control enable the 252P series to process high-performance materials such as PA6, PA66, PPS and PEEK for end-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

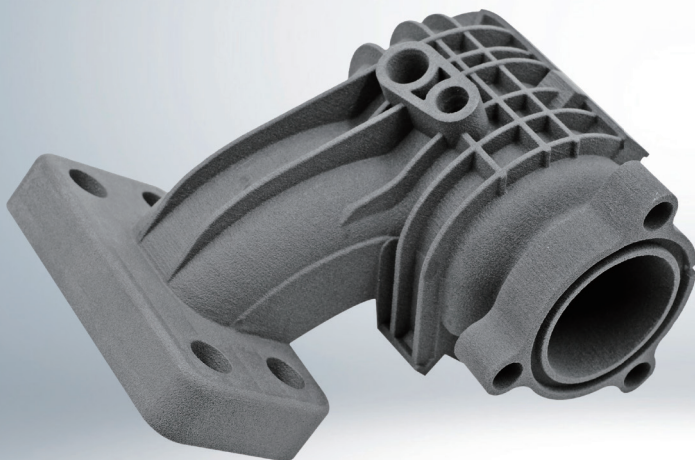
TECHNICAL DATA	UT252P*	ST252P	HT252P
External Dimensions (L×W×H)	1735×1205×1975 mm (68.3×47.4×77.8 in)	1735×1225×1975 mm (68.3×48.2×77.8 in)	1735×1205×1975 mm (68.3×47.4×77.8 in)
Build Cylinder Size¹(L×W×H)	250×250×320 mm (9.8×9.8×12.6 in)		
Net Weight	Approx. 2500 kg (5511.6 lb)	Approx. 1700 kg (3747.9 lb)	Approx. 1700 kg (3747.9 lb)
Laser Type	CO ₂ laser, 1×100W	CO ₂ laser, 1×100W	CO ₂ laser, 1×55W
Scanner	High-precision galvo system		
Layer Thickness	0.06~0.3mm (0.0024-0.0118 in)		
Volume Build Rate²	Up to 1.2 L/h	Up to 2.5 L/h	Up to 1.5 L/h
Scanning Speed	Max.10 m/s (32.8 ft/s)		
Max. Chamber Temperature	350°C (662°F)	280°C (536°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, 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), PEEK (for UT252P only), more materials to come		

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

2 Volume build rate depends on the parts/materials.

* UT252P is under beta testing.

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ENGINE INTAKE MANIFOLD
MATERIAL: FS6140GF
SYSTEM: HT252P

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