

# 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 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.

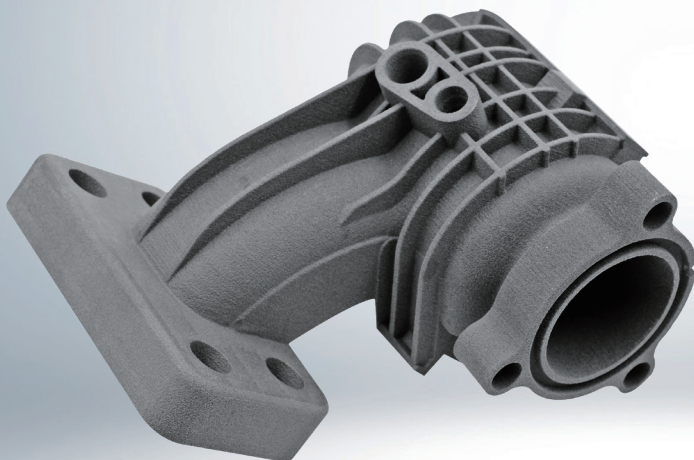


# FARSOON 252P SERIES

| TECHNICAL DATA                                | ST252P  | HT252P                                   |
|---|---|--|
| <b>External Dimensions (L×W×H)</b>            | 1735×1225×1975 mm<br>(68.3×48.2×77.8 in)  | 1735×1205×1975 mm<br>(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. 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, 1×55W             |
| <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 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>               | 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), more materials to come |  |

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

Many factors may affect the performance characteristics of products. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. Farsoon makes no warranties of any type, express or implied, including but not limited to, the warranties of merchantability or fitness for a particular use. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. Farsoon reserves the right to change the technical data without notice. Farsoon®, Buildstar®, Makestar® are registered trademarks of Farsoon Technologies. Last Change: 2023-09



ENGINE INTAKE MANIFOLD  
MATERIAL: FS6140GF  
SYSTEM: HT252P

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

**AMEA** Farsoon Technologies Co., Ltd. | +86.731.8397.6198 | [globalinfo@farsoon.com](mailto:globalinfo@farsoon.com) | No. 181 Linyu Road, Changsha National High-Tech Industrial Zone, Hunan, China

**AMERICAS** Farsoon Americas CORP. | +1 512-551-9901 | [contact@farsoonam.com](mailto:contact@farsoonam.com) | 3161 Eagles Nest Street, Suite 350, Round Rock, TX 78665

**EUROPE** Farsoon Europe GmbH | +49 711 13796 0 | [wehelpyou@farsoon-eu.com](mailto:wehelpyou@farsoon-eu.com) | Liebknechtstrasse 33, 70565 Stuttgart, Germany