

403P SERIES

A powerful and versatile open platform system
for your additive manufacturing needs

www.farsoon.com



EFFICIENCY

Combining scan speed of up to 15.2 m/s with a high efficiency roller system and convenient removable powder cartridge system, the 403P offers increased productivity and lower price per part.

ACCURACY

The 403P series' powerful eight-zone heater & intelligent thermal control systems allows for best in class temperature regulation enabling less deformation and increased accuracy in final parts.

HIGH TEMPERATURE

The 403P series is offered in a high-temperature-capable configuration. Enhanced temperature shielding, laser power and thermal controls enable the HT403P to process high-performance materials, such as PA6, for direct-use applications.

OPEN PLATFORM

Farsoon is the only laser sintering system producer that allows for complete freedom of operation of its machines. This means that machine parameters and powder choice are unlocked for the user allowing for previously-impossible levels of freedom and flexibility when it comes to PLS production.



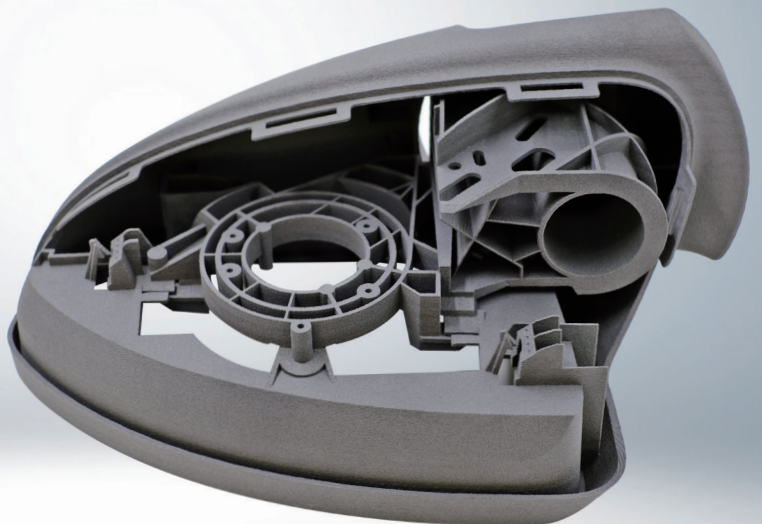
FARSOON 403P SERIES

TECHNICAL DATA	HS403P	SS403P	HT403P
External Dimensions (L×W×H)	2540×1320×2220 mm (100.0×52.0×87.4 in)		
Build Cylinder Size ¹ (L×W×H)	400×400×450 mm (15.7×15.7×17.7 in) or 400×400×540 mm (15.7 × 15.7 × 21.3 in)		
Net Weight	Approx. 3100 KG (6834.3 lb)		
Laser Type	CO ₂ Laser, 1×55W	CO ₂ Laser, 1×100W	CO ₂ Laser, 1×100W
Scanner	High-precision three-axis galvo system	High-precision three-axis digital galvo system	High-precision three-axis digital galvo system
Layer Thickness	0.06~0.3 mm (0.0024-0.0118 in)		
Volume Build Rate ²	Up to 2.7 L/h	Up to 4.0 L/h	Up to 4.0 L/h
Scanning Speed	Max. 10 m/s (32.8 ft/s)	Max. 15.2 m/s (49.9 ft/s)	Max. 15.2 m/s (49.9 ft/s)
Max. Chamber Temperature	190°C (374 °F)	190°C (374 °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, WANFAB-PU95AB, Ultrasint® TPU 88A black, FS6140GF (for HT403P only), Ultrasint® PA6 (for HT403P only), 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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PART: REAR VIEW MIRROR HOUSING
MATERIAL: FS6140GF
SYSTEM: HT403P



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