



Fortus 900mc

Designed and built for size, throughput, precision and repeatability.

The Fortus 900mc™, the most precise and largest of the Performance family, is designed to handle your most demanding digital manufacturing needs. With the largest build size of any Fortus® system and significant upgrades in its mechanical, electromechanical and electrical systems, the Fortus 900mc is the most powerful FDM® system available. Specifically, its accuracy, repeatability and predictability are unmatched. Additionally, the control software leverages the system's hardware advancements to deliver greater throughput and reliability.

Like all Fortus 3D Production Systems, the Fortus 900mc uses stable thermoplastics that continue to outperform nearly all competing technologies in accuracy and repeatability. Purchase only the material options you need, from a menu of 12, to build demanding functional prototypes, production parts, jigs, fixtures and factory tooling.



LEARN MORE ABOUT THE FORTUS 380MC AND 450MC AT PROTO3000.COM



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At the core:

Advanced FDM technology

Fortus systems are based on Stratasys FDM technology. FDM builds parts in production-grade thermoplastics, enabling the most durable parts.

Fortus systems use a wide range of thermoplastics with advanced mechanical properties so your parts can endure high heat, caustic chemicals, sterilization and high-impact applications.

No special facilities needed

You can install a Fortus 3D Production System just about anywhere. No special venting is required because Fortus systems produce no noxious fumes, chemicals or waste.

No special skills needed

Compared to other additive fabrication systems, Fortus 3D Production Systems are easy to operate and maintain as there are no messy powders to handle and contain. They're so simple, an operator can be trained to operate a Fortus system in less than 30 minutes.

Get your benchmark on the future of manufacturing

Fine details. Smooth surface finishes. Accuracy. Strength. The best way to see the advantages of a Fortus 3D Production System is to have your own part built on a Fortus system. Get your free part at: stratasys.com

System Specifications

SYSTEM CONFIGURATION

Build Envelope (XYZ)	914.4 x 609.6 x 914.4 mm (36 x 24 x 36 in.) Platen supports two build zones for either a small or large build sheet
Material Delivery	Two build material canisters 1508 cc (92 in. ³) Two support material canisters 1508 cc (92 in. ³) Auto changeover between canisters

MATERIAL OPTIONS

Layer Thickness:	ASA	ABS ¹	ABS-M30 ¹	ABS-M30i ¹	ABS-ESD7 ¹	PC-ABS	PC-ISO ¹	PC	ULTEM ¹ 9085 resin	ULTEM 1010 resin	PPSF	FDM Nylon 12 ¹
0.013 inch (0.330 mm)	X	X	X	X		X	X	X	X	X		X
0.013 inch (0.330 mm)	X	X	X	X	X	X	X	X	X	X	X	X
0.007 inch (0.178 mm)	X	X	X	X	X	X		X				X
Support Structure:	Soluble	Soluble	Soluble	Soluble	Soluble	Soluble	Break - away	Break - away, Soluble	Break - away	Break - away	Break - away	Soluble
Available Colors:	Ivory Black	Trans-lucent Natural Black Trans-lucent Amber Trans-lucent Red	Ivory White Black Red Blue Dark Grey	Ivory	Black	Black	Trans-lucent Natural White	White	Tan Black	Natural	Tan	Black

OTHER SPECIFICATIONS

System Size and Weight	870 x 735 x 1200 mm (34.25 x 28.9 x 47.25 in.); 410 kg (902 lbs.) With Manufacturing Light Tower: 2772 x 1683 x 2281 mm (109.1 x 66.3 x 89.8 in.)
Achievable Accuracy	Parts are produced within an accuracy of +/- .0035 in. or +/- .0015 in. per in. whichever is greater (+/- .089 mm or +/- .0015 mm per mm whichever is greater)+ +Note: Accuracy is geometry-dependent. Achievable accuracy specification derived from statistical data at 95% dimensional yield. See Fortus 900mc accuracy white paper for more information.
Network Communication	10/100 base T connection. Ethernet protocol.
Operator Attendance	Limited attendance for job start and stop required.
Operating Environment ¹	Maximum room temperature of 85°F (29°C). Maximum room humidity of 80%.
Power Requirements ¹	230 VAC (three phase) 50/60Hz, Voltage fluctuation +/- Current 40A
Additional Requirements ¹	Compressed Air Required
Regulatory Compliance ¹	CE
Software	All Fortus systems include Insight™ and Control Center™ job processing and management software.
Operating System	Microsoft Windows 8.1 and Windows 8 (Pro, Enterprise), Microsoft Windows 7 (Pro, Enterprise, Ultimate), Microsoft Windows Vista (Business, Enterprise, Ultimate), Microsoft Windows Server 2008, Microsoft Windows Server 2003

¹See Fortus 900mc Site Prep Guide for detailed power and environmental specs