



Fortus 900mc

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

The Fortus 900mc™ is the most precise and powerful FDM system available. With the largest build size of any Fortus® system, the Fortus 900mc is designed to handle the most demanding manufacturing needs. The accuracy, repeatability and predictability are unmatched, and the control software leverages the system's hardware to deliver superior throughput and reliability.

The Fortus 900mc uses engineering-grade thermoplastics to build robust production parts, jigs, fixtures, factory tooling and functional prototypes. Large parts are printed fast with the standard, large T40A tip to help meet production demands with ease.

The Fortus 900mc offers a streamlined workflow and easier job monitoring with an internal camera and GrabCAD Print™. Standard certifications are included and reduce workload to qualify 3D printers for a production floor.



LEARN MORE ABOUT THE FORTUS 900MC AT [STRATASYS.COM](https://www.stratasys.com)



Fortus 900mc

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-M30™	ABS-M30i™	ABS-ESD7™	PC-ABS	PC-ISO™	PC	ULTEM™ 9085 resin	ULTEM 1010 resin	PPSF	FDM Nylon 12™	FDM Nylon 6™	ST-130™
0.020 inch (0.508 mm)	X								X				
0.013 inch (0.330 mm)	X	X	X		X	X	X	X	X		X	X	X
0.010 inch (0.254 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	Break-away	Break-away, Soluble	Break-away	Break-away	Break-away	Soluble	Soluble	Break-away
Available Colors:	- Black - Dark Gray - Light Gray - White - Ivory - Dark Blue - Green - Yellow - Orange - Red	- Ivory - White - Black - Red - Blue - Dark Grey	Ivory	Black	Black	Translucent Natural	White	Tan	Natural	Tan	Black	Black	Natural

OTHER SPECIFICATIONS

System Size and Weight	2772 x 1683 x 2027 mm (109.1 x 66.3 x 78.1 in.); 2869 kg (6325 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). [*] Z part accuracy includes an additional tolerance of -0.000/+ slice height. [*] 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 Environment¹	Maximum room temperature of 85°F (29°C). Maximum room humidity of 80%.
Power Requirements¹	230 VAC (three phase) 50/60Hz, Voltage fluctuation +/- Current 40A
Additional Requirements¹	Compressed Air Required 90-120 psi with a minimum flow of 8 CFM
Regulatory Compliance¹	CE, NRTL Listed
Software	All Fortus systems include Insight™ and Control Center™ job processing and management software. Compatible with Grabcad Print for use with job reports, scheduling and remote monitoring.
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

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ISO 9001:2008 Certified

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