



Fortus 400mc

Flexible, fast, predictable and simple to operate. Manufacture real parts in a wide range of thermoplastics.

The Fortus 400mc™ 3D Production System allows you to manufacture parts in-house with multiple production-grade and high-requirement thermoplastics, such as ABS-M30™, PC, PPSF, ULTEM® 9085 and 1010 resins, FDM Nylon 12™, PC-ABS, ASA and more. Fortus 400mc is a user-configurable high-performance workhorse, ideal for creating functional prototypes, manufacturing tools and production parts.

Fortus 400mc coupled with Insight™ processing software lets you quickly manufacture parts that match your mechanical, thermal, aesthetic and resolution needs. With Fortus 400mc, you can accurately manufacture parts with complex geometries, that are strong enough not only for functional testing, but production-ready as well.



LEARN MORE ABOUT THE FORTUS 400MC AT STRATASYS.COM

stratasys

THE 3D PRINTING SOLUTIONS COMPANY



Fortus 400mc

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)	14 x 10 x 10 inches (355 x 254 x 254 mm)
Material Delivery	One build material canister 92 in ³ (1508 cc) One support material canister 92 in ³ (1508 cc)

UPGRADE CONFIGURATION

Build Envelope (XYZ)	16 x 14 x 16 inches (406 x 355 x 406 mm)
Material Delivery	Two build material canisters 92 in ³ (1508 cc) Two support material canisters 92 in ³ (1508 cc) Auto changeover between canisters

MATERIAL OPTIONS

Layer Thickness:	ASA	ABS ⁱ ™	ABS-M30	ABS-M30i™	ABS-ESD7™	PC-ABS	PC-ISO™	PC	ULTEM 9085 resin	ULTEM 1010 resin	PPSF	FDM Nylon 12
0.013 inch (0.330 mm)	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				X
0.005 inch (0.127 mm)	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:	<ul style="list-style-type: none"> Ivory Black 	<ul style="list-style-type: none"> Trans-lucent Natural Black Trans-lucent Amber Trans-lucent Red 	<ul style="list-style-type: none"> Ivory White Black Red Blue Dark Grey 	<ul style="list-style-type: none"> Ivory Black 	<ul style="list-style-type: none"> Black Black 	<ul style="list-style-type: none"> Trans-lucent Natural White 	<ul style="list-style-type: none"> White 	<ul style="list-style-type: none"> Tan Black 	<ul style="list-style-type: none"> Natural Tan 	<ul style="list-style-type: none"> Tan Black 		

OTHER SPECIFICATIONS

System Size and Weight	50.45 x 35.25 x 77.25 inches (1281 x 895.35 x 1962 mm)	With crate: 1511 lbs. (687 kg) Without crate: 1309 lbs. (593 kg)
Achievable Accuracy	Parts are produced within an accuracy of +/- .005 inch or +/- .0015 inch per inch whichever is greater (+/- .127 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 400mc/360mc 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	Maximum room temperature of 85°F (29.4°C). Maximum room dew point of 78°F (25.6°C)	
Power Requirements	230 VAC, 50/60 Hz, 3 phase, 16A/phase (20 amp dedicated circuit required)	
Regulatory Compliance	CE	
Software	All Fortus systems include Insight™ and Control Center™ job processing and management software.	

ⁱPC can attain 0.005 inch (0.127mm) layer thickness when used with SR-100 soluble support.



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ISO 9001:2008 Certified

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