FORTUS 400mc™

Flexible, fast, predictable, and simple to operate. Manufacture Real Parts™ in a wide range of thermoplastics.

The Fortus 400mc™ allows you to manufacture Real Parts™ in-house with multiple production-grade thermoplastics, such as ABS-M30, PC, PPSF, ULTEM* 9085, PC-ABS blend and more. Fortus 400mc is a user configurable high-performance workhorse, ideal for creating Real Parts for conceptual models, functional prototypes, manufacturing tools, and end-use parts.

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

Learn more about the Fortus 400mc at stratasys.com

Stratasys® | Production Series

System Specifications

BASE SYSTEM CONFIGURATION	
Build Envelope (XYZ)	14 x 10 x 10 inches (355 x 254 x 254 mm)
Material Delivery	One (1) Build material canister 92 in^3 (1508 cc) One (1) 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 (2) Build material canisters 92 in^3 (1508 cc) Two (2) Support material canisters 92 in^3 (1508 cc) Auto changeover between canisters

MATERIAL OPTIONS	ABS-M30i	PC-ABS	PC	ULTEM* 9085
Layer Thickness:				
0.013 inch (0.330 mm)	X	X	X	
0.010 inch (0.254 mm)	X	X	X	X
0.007 inch (0.178 mm)	X	X	X	
0.005 inch (0.127 mm)	X	X	X[1]	
Support Structure:	Soluble	Soluble	BASS, Soluble	BASS
Available Colors:	Ivory	Black	White	Tan Black

OTHER SPECIFICATIONS		
System Size/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.	

[1]PC can attain 0.005 inch (0.127mm) layer thickness when used with SR-100 soluble support.

Stratasys | www.stratasys.com | info@stratasys.com

7665 Commerce Way
Eden Prairie, MN 55344
+1 888 480-3548 (US Toll Free)
+1 952 937-3000 (Intl)
+1 952 937-0070 (Fax)

2 Holtzman St.,
Science Park, PO Box 2496
Rehovot 76124, Israel
+972 74 745-4000
+972 74 745-5000 (Fax)

Local Street Address
City, State, Zip
Phone #
Fax #

At the core: Advanced FDM Technology™

Fortus systems are based on Stratasys FDM — Fused Deposition Modeling™ — technology. FDM is the industry's leading additive manufacturing technology, and the only one that uses 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 don't produce noxious fumes, chemicals, or waste.

No special skills needed

Fortus 3D Production Systems are easy to operate and maintain compared to other additive fabrication systems because there are no messy powders or resins 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