

# Fortus 400mc™

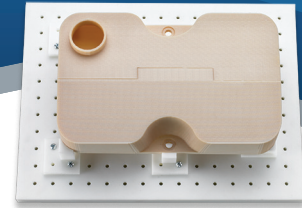


**Flexible, fast, predictable and simple to operate. Manufacture real parts in a wide range of thermoplastics.**

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 resin, Nylon 12, PC-ABS, ASA and more. Fortus 400mc is a user-configurable high-performance workhorse, ideal for creating functional prototypes, manufacturing tools and end-use parts.

The Fortus 400mc coupled with Insight™ processing software lets you quickly manufacture parts that match your mechanical, thermal, aesthetic and resolution needs. With the Fortus 400mc, you can accurately manufacture 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](http://stratasys.com)**



## System Specifications

BASE 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 <sup>3</sup> (1508 cc) One support material canister 92 in <sup>3</sup> (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 <sup>3</sup> (1508 cc) Two support material canisters 92 in <sup>3</sup> (1508 cc) Auto changeover between canisters										
MATERIAL OPTIONS											
Layer Thickness:	ASA	ABS <sup>1</sup> ™	ABS-M30	ABS-M30i™	ABS-ESD7™	PC-ABS	PC-ISO™	PC	ULTEM 9085	PPSF	NYLON 12
0.013 inch (0.330 mm)	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
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 <sup>1</sup>			
Support Structure:	Soluble	Soluble	Soluble	Soluble	Soluble	Soluble	Break-away	Break-away or Soluble	Break-away	Break-away	Soluble
Available Colors:	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #f0f0f0; border: 1px solid black; margin-right: 5px;"></span> Ivory</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: black; border: 1px solid black; margin-right: 5px;"></span> Black</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #cccccc; border: 1px solid black; margin-right: 5px;"></span> Trans-lucent Natural</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ffffff; border: 1px solid black; margin-right: 5px;"></span> White</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> Black</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ff0000; border: 1px solid black; margin-right: 5px;"></span> Red</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #0000ff; border: 1px solid black; margin-right: 5px;"></span> Blue</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #800000; border: 1px solid black; margin-right: 5px;"></span> Dark Grey</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ff0000; border: 1px solid black; margin-right: 5px;"></span> Trans-lucent Amber</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ff0000; border: 1px solid black; margin-right: 5px;"></span> Trans-lucent Red</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #f0f0f0; border: 1px solid black; margin-right: 5px;"></span> Ivory</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ffffff; border: 1px solid black; margin-right: 5px;"></span> White</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> Black</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> Ivory</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> Black</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> Black</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #cccccc; border: 1px solid black; margin-right: 5px;"></span> Trans-lucent Natural</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ffffff; border: 1px solid black; margin-right: 5px;"></span> White</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ffffff; border: 1px solid black; margin-right: 5px;"></span> White</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #a08060; border: 1px solid black; margin-right: 5px;"></span> Tan</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> Black</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #a08060; border: 1px solid black; margin-right: 5px;"></span> Tan</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> Black</li> </ul>	
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.										

<sup>1</sup>PC can attain 0.005 inch (0.127mm) layer thickness when used with SR-100 soluble support.

Stratasys | [www.stratasys.com](http://www.stratasys.com) | [info@stratasys.com](mailto: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)

©2014 Stratasys Ltd. All rights reserved. Stratasys, Stratasys logo, Objet, For a 3D World, Objet Studio, Eden, Eden260, Eden260V, Eden350, Eden350V, Eden500V, Objet500 Connex3, Connex, Objet260 Connex, Connex350, Connex500, Objet1000, TangoBlack, TangoGray, TangoPlus, TangoBlackPlus, VeroBlue, VeroBlack, VeroBlackPlus, VeroClear, VeroDent, VeroGray, VeroWhite, VeroWhitePlus, Durus, Endur, Digital Materials, Digital ABS, ABSi, ABS-M30, ABS-M30i, ABS-ESD7, PC-ISO, FDM, Fortus, Fortus 400mc, Insight, Control Center and PolyJet are trademarks or registered trademarks of Stratasys Ltd. and/or its subsidiaries or affiliates and may be registered in certain jurisdictions. ULTEM is a registered trademark of SABIC or affiliates. All other trademarks belong to their respective owners. Fortus400mcSpecSheet-08-14

### At the core: Advanced FDM® Technology

Fortus 3D Production Systems are powered by fused deposition modeling (FDM) technology. FDM 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 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 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. 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](http://stratasys.com)