

# Fortus 360mc™



## Exceptional capability with high accuracy is now within reach.

Your gateway to FDM® power in the Production Series, the Fortus 360mc was designed for users who have evolved to more demanding applications in high-accuracy prototyping and direct digital manufacturing. The system is equipped with an extrusion head and gantry that maintains tight positional accuracy and can produce parts with high tolerance. With FDM technology, the Fortus 360mc uses stable thermoplastics that continue to outperform nearly all competing technologies in accuracy, repeatability and strength. Powered by proven FDM technology, the Fortus 360mc manufactures parts and advanced prototypes in production-grade thermoplastics.

The standard build envelope is 14 x 10 x 10 inches (355 x 254 x 254 mm), which can be upgraded to 16 x 14 x 16 inches (406 x 356 x 406 mm). With the upgrade come two additional material canister bays, for a total of four bays (two build material and two support material). The larger build envelope and the additional material canisters enable larger builds. When the first material canister is empty, an auto-changeover function loads the second canister and continues the build process uninterrupted allowing users to leave the machine unattended for long periods of time.

Learn more about the  
Fortus 360mc at  
[stratasys.com](http://stratasys.com)



## System Specifications

BASE SYSTEM CONFIGURATION					
<b>Build Envelope (XYZ)</b>	14 x 10 x 10 inches (355 x 254 x 254 mm)				
<b>Material Delivery</b>	One build material canister 92 in <sup>3</sup> (1508 cc) One support material canister 92 in <sup>3</sup> (1508 cc)				
UPGRADE CONFIGURATION					
<b>Build Envelope (XYZ)</b>	16 x 14 x 16 inches (406 x 355 x 406 mm)				
<b>Material Delivery</b>	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					
<b>Layer Thickness:</b>	ASA	ABS-M30™	PC-ABS	PC	Nylon 12
0.013 inch (0.330 mm)	X	X	X	X	X
0.010 inch (0.254 mm)	X	X	X	X	X
0.007 inch (0.178 mm)	X	X	X	X	X
0.005 inch (0.127 mm)	X	X	X	X <sup>1</sup>	
<b>Support Structure:</b>	Soluble	Soluble	Soluble	Breakaway or Soluble	Soluble
<b>Available Colors:</b>	<input type="checkbox"/> Ivory <input checked="" type="checkbox"/> Black	<input type="checkbox"/> Ivory <input type="checkbox"/> White <input checked="" type="checkbox"/> Black <input checked="" type="checkbox"/> Dark Grey <input checked="" type="checkbox"/> Red <input checked="" type="checkbox"/> Blue	<input checked="" type="checkbox"/> Black	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black
OTHER SPECIFICATIONS					
<b>System Size/Weight</b>	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)	
<b>Achievable Accuracy</b>	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.				
<b>Network Communication</b>	10/100 base T connection. Ethernet protocol.				
<b>Operator Attendance</b>	Limited attendance for job start and stop required.				
<b>Operating Environment</b>	Maximum room temperature of 85°F (29.4°C). Maximum room dew point of 78°F (25.6°C).				
<b>Power Requirements</b>	230 VAC, 50/60 Hz, 3 phase, 16A/phase (20 amp dedicated circuit required)				
<b>Regulatory Compliance</b>	CE				
<b>Software</b>	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)

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### At the core: Advanced FDM Technology

Fortus systems are based on Stratasys 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 as 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

Production-grade thermoplastics. 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)