

# FORTUS 360mc <sup>TM</sup>



**REAL ADVANTAGE**

## Developed for demanding applications and high-accuracy.

The Fortus 360mc was designed for users with demanding applications for 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<sup>®</sup> (Fused Deposition Modeling) 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 Real Parts<sup>™</sup> 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 comes two more 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 users to run larger build runs. 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.

REAL PRODUCTION-CLASS SYSTEM

**PROTO3000**  
3D Engineering Solutions



## 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 canisters 92 in <sup>3</sup> (1508 cc) One (1) Support material canisters 92 in <sup>3</sup> (1508 cc)
UPGRADE CONFIGURATION	
Build Envelope (XYZ)	16 x 14 x 16 inches (406 x 356 x 406 mm)
Material Delivery	Two (2) Build material canisters 92 in <sup>3</sup> (1508 cc) Two (2) Support material canisters 92 in <sup>3</sup> (1508 cc) Auto changeover between canisters
MATERIAL OPTIONS	
Layer Thickness:	ABS-M30      PC-ABS      PC
0.013 inch (0.330 mm)	X                      X                      X
0.010 inch (0.254 mm)	X                      X                      X
0.007 inch (0.178 mm)	X                      X                      X
0.005 inch (0.127 mm)	X                      X                      X
Support Structure:	Soluble              Soluble              BASS
Available Colors:	<input type="checkbox"/> Ivory <input type="checkbox"/> White <input checked="" type="checkbox"/> Black <input type="checkbox"/> White <input checked="" type="checkbox"/> Black <input checked="" type="checkbox"/> Dark Grey <input type="checkbox"/> White <input checked="" type="checkbox"/> Red <input type="checkbox"/> Blue
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.

### At the core Advanced FDM technology

Fortus systems are based on patented Stratasys FDM — Fused Deposition Modeling — technology. FDM is the industry's leading additive fabrication 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: [www.fortus.com/benchmark](http://www.fortus.com/benchmark).