



Real Advantage

Developed for demanding applications and high-accuracy.

The FDM 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 a higher tolerance. Like all Fused Deposition Modeling® (FDM) systems, the FDM 360mc uses a stable thermoplastic that continues to outperform nearly all competing technologies in accuracy, repeatability and strength. Proven FDM technology manufactures Real Parts™ in production-grade thermoplastics.

The standard build envelope for the FDM 360mc is 14 x 10 x 10 inches (355 x 254 x 254 mm), of 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.

	FDM 360mc	Other Features		
System Size	50.45 x 35.25 x 77.25 inches (1281 x 895.35 x 1962 mm)	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). <i>Note: 95% confidence. Accuracy is geometry dependent.</i> 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		
BASE SYSTEM:				
Build Envelope (XYZ)	14 x 10 x 10 inches (355 x 254 x 254 mm)			
Material Delivery	One Model material canisters 92 in ³ (1508 cc) One Support material canisters 92 in ³ (1508 cc)			
UPGRADE:				
Build Envelope (XYZ)	16 x 14 x 16 inches (406 x 356 x 406 mm)			
Material Delivery	Two (2) Model material canisters 92 in ³ (1508 cc) Two (2) Support material canisters 92 in ³ (1508 cc) Auto changeover between canisters.			
Material Options				
Layer Thickness				
0.013 inch (0.330 mm)	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		
Support	Soluble	Soluble	BASS	

Software*

Insight™

Insight software prepares 3D digital part files (output as an STL) to be manufactured on an FDM system by automatically slicing and generating support structures and material extrusion paths. If necessary, users can override Insight's defaults to manually edit parameters that control the look, strength and precision of parts as well as the time, throughput, expense and efficiency of the FDM process.

*Insight and FDM Control Center are included with every FDM system. Visit www.stratasys.com/software for more information.

FDM Control Center™

FDM Control Center software communicates between the user workstation(s) and the FDM system(s), managing jobs and monitoring the production status of FDM systems. This software application provides the control to maximize efficiency, throughput and utilization while minimizing response time. Control Center is included with Insight software.

FDM TEAM™

FDM TEAM software is designed for the management and control of multi-user and/or multi-system FDM operations. A client/server application, FDM TEAM enables planning, scheduling, monitoring and reporting when managing a multiple FDM system enterprise. FDM TEAM is sold as a stand alone software package.

For more information about Stratasys systems and materials, contact your representative at +1 888.480.3548 or visit www.stratasys.com

Stratasys Inc.

7665 Commerce Way
Eden Prairie, MN 55344
+1 888 480 3548 (US Toll Free)
+1 952 937 3000
+1 952 937 0070 (Fax)
www.stratasys.com
info@stratasys.com

Stratasys GmbH

Weismüllerstrasse 27
60314 Frankfurt am Main
Germany
+49 69 420 9943 0 (Tel)
+49 69 420 9943 33 (Fax)
europe@stratasys.com