STRATASYS®

FDM 400mc

Real Flexible

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

The FDM 400mc™ from Stratasys allows you to manufacture Real Parts in-house with multiple production-grade thermoplastics, such as ABS-M30, PC, PPSF and PC-ABS blend. FDM 400mc is a user configurable high-performance workhorse, ideal for creating Real Parts for conceptual prototypes through direct digital manufacturing.

FDM 400mc coupled with powerful Insight™ front-end processing software gives you the ability to quickly manufacture parts in a variety of materials that match your mechanical properties, aesthetics and resolution needs. With the FDM 400mc, you can accurately manufacture Real Parts with complex geometries, that are strong enough not only for functional testing, but end use as well.

	FDM 400mc			
Build Envelope & Material Delivery Options	Base System – – Maximum part size is 14 x 10 x 10 inches (355 x 254 x 254 mm) – One (1) auto load canister with 92 cubic inches (1508 cubic cm) modeling material – One (1) auto load canister with 92 cubic inches (1508 cubic cm) support material Optional Envelope/Material Canister Upgrade – Maximum part size is 16 x 14 x 16 inches (406 x 355 x 406mm) – Two (2) autoload canister with 92 cubic inches (1508 cubic cm) modeling material – Two (2) autoload canister with 92 cubic inches (1508 cubic cm) support material			
Modeling Material Packages	System is capable of manufacturing parts in any combination of the following Material Options. Choose any one or combination of the Modeling Material Packages listed below.			
Model Material Layer Thickness	ABS-M30	PC-ABS:	PC:	PPSF:
0.013 inch (0.330 mm)	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		
Support Technology	Soluble Release	Soluble Release	BASS	BASS
Achievable Accuracy	Models 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.			

Other Features

Network Communication
10/100 base T connection. Ethernet protocol

Software
FDM 400mc uses Insight™ software to import STL files which automatically slices the file, generates the necessary support structures and material extrusion paths or allows user to manually manipulate any of the model/support structures and/or toolpaths.

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)

System Size
50.45 inches wide x 35.25 inches deep x 77.25 inches high (1281 mm wide x 895.35 mm deep x 1962 mm high).

Regulatory Compliance
CE

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

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