



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, thermal, 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							Other Features
<b>System Size</b>	50.45 x 35.25 x 77.25 inches (1281 x 895.35 x 1962 mm)							<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). <i>Note: 95% confidence. Accuracy is geometry dependent.</i>
<b>BASE SYSTEM:</b>								
<b>Build Envelope (XYZ)</b>	14 x 10 x 10 inches (355 x 254 x 254 mm)							
<b>Material Delivery</b>	One Model material canisters 92 in <sup>3</sup> (1508 cc) One Support material canisters 92 in <sup>3</sup> (1508 cc)							
<b>UPGRADE:</b>								
<b>Build Envelope (XYZ)</b>	16 x 14 x 16 inches (406 x 356 x 406 mm)							
<b>Material Delivery</b>	Two (2) Model 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.							<b>Network Communication</b> 10/100 base T connection. Ethernet protocol.
<b>Material Options</b>	ABS-M30	ABS-M30i	ABSi	PC-ABS	PC	PC-ISO	PPSF	<b>Operator Attendance</b> Limited attendance for job start and stop required.
<b>Layer Thickness</b>								<b>Operating Environment</b> Maximum room temperature of 85°F (29.4°C). Maximum room dew point of 78°F (25.6°C).
0.013 inch (0.330 mm)	X	X	X	X	X	X	X	<b>Power Requirements</b> 230 VAC, 50/60 Hz, 3 phase, 16A/phase (20 amp dedicated circuit required)
0.010 inch (0.254 mm)	X	X	X	X	X	X	X	
0.007 inch (0.178 mm)	X	X	X	X	X	X		
0.005 inch (0.127 mm)	X	X	X	X				
<b>Support Structure</b>	Soluble	Soluble	Soluble	Soluble	BASS	BASS	BASS	<b>Regulatory Compliance</b> CE

### 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](http://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](http://www.stratasys.com)

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