



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 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. |
| BASE SYSTEM: | | Network Communication 10/100 base T connection. Ethernet protocol |
| Build Envelope (XYZ) | 14 x 10 x 10 inches (355 x 254 x 254 mm) | Operator Attendance Limited attendance for job start and stop required. |
| Material Delivery | One Model material canisters 92 in ³ (1508 cc) One Support material canisters 92 in ³ (1508 cc) | Operating Environment Maximum room temperature of 85°F (29.4°C). Maximum room dew point of 78°F (25.6°C). |
| UPGRADE: | | Power Requirements 230 VAC, 50/60 Hz, 3 phase, 16A/phase (20 amp dedicated circuit required) |
| Build Envelope (XYZ) | 16 x 14 x 16 inches (406 x 356 x 406 mm) | Regulatory Compliance CE |
| 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 Layer Thickness | ABS-M30 0.013 inch (0.330 mm) 0.010 inch (0.254 mm) 0.007 inch (0.178 mm) 0.005 inch (0.127 mm) | |
| Support | Soluble Support | |

Software

FDM 360mc uses two key software tools called Insight™ and FDM Control Center.™ Insight software imports STL files, automatically slices and generates necessary support structures and material extrusion paths. Insight provides greater flexibility by allowing manual manipulation of model and support structures and tool paths.

FDM Control Center™ enhances the user interface with Status, Pack and Administration functions. Users can create jobs, monitor status, assemble files, and adjust part nesting using the part footprint (not just the bounding box). Users can also view multiple FDM machine queues in a single window.

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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