



FDM MAXUM: IN-OFFICE RP PERFORMANCE THAT'S BIG, FAST AND ACCURATE.

FDM Maxum™ offers one of the largest build envelopes available – almost 24 x 20 x 24 inches. Using proven precision motion-control technology, FDM Maxum builds big and accurate parts quickly – nearly 50-percent faster than its predecessors. You can build more parts and models in less time – and build them in tough ABS plastic. There are no messy materials or post processing. FDM Maxum is the ideal large-scale machine for in-office RP.

FDM MAXUM: THE BIGGEST AND BEST IN-OFFICE RAPID PROTOTYPING DESIGN TOOL.

FDM Maxum builds big – in tough ABS plastic. And it lets you build smart. Insight software automatically orients single parts – or batched parts – for the most efficient build time and generates



any necessary support structures. WaterWorks™ water-soluble support structures simply dissolve so there's no multi-step post-processing needed. Maxum makes large scale in-office RP practical and convenient.

FDM Maxum System Highlights

- Large scale, proven RP platform
- Fast build times in ABS plastic
- Powerful Insight™ software
- Office operation with no special venting

Model Build Envelope (X,Y,Z)

Maximum size 23.6 x 19.7 x 23.6 inches (600 x 500 x 600 mm).

Modeling Materials

ABS and ABSi plastic.

Tip Support

ABS: T10, T12, T16. ABSi: T12, T16.

Layer Thickness

ABS: .005 inch (.127 mm), .007 inch (.178 mm) or .010 inch (254 mm). ABSi: .007 inch (.178 mm) or .010 inch (254 mm).

Achievable Accuracy

Models are produced within an accuracy of +/- .005 inch (+/- .127 mm) up to 5 inches (127 mm). Accuracy on models greater than 5 inches (127 mm) is +/- .0015 inch per inch (+/- .0381 mm per mm).

Material Filament Spool

One filament spool with 267 cubic inches (4375 cubic cm.) modeling material. One filament spool with 267 cubic inches (4375 cubic cm.) support material.

Support Structures

WaterWorks soluble support for ABS and ABSi.

Network Communication

10/100 base T connection. Ethernet protocol.

Software

Insight software imports STL files, automatically slices the file and generates the FDM Maxum extrusion paths and necessary support structures.

Operator Attendance

Not required.

Compatibility

Windows NT 4.0, Windows 2000, Windows XP.

Operating Environment

Maximum room temperature 85° F (29.4° C).

Maximum room dew point 65° F (18.3° C).

Power Requirements

208-240V, 50/60 Hz, 32 amp single phase (minimum 50 amp dedicated circuit).

System Size and Weight

88 inches wide x 44 inches deep x 78 inches high (2235 mm wide x 1118 mm deep x 1981 mm high).

2500 pounds (1134 kg) shipping weight.

Regulatory Compliance

CE.

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DRIVE DESIGN. CONTROL RP.



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PRODIGY

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MAXUM