



## 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

## 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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