

# MP40

## Large Desktop 3D Printer

- Advanced software
- Enclosed chamber



**AUTOMATION  
READY**



Automatic calibration



All-metal hotend



Air filtration & circulation



Status notifications



High precision



Touch screen interface

### EXTRUSION SYSTEM

Single-nozzle bowden  
All-metal hotend and feeder  
Extrusion temperature up to 300 °C  
Included nozzle: 0.4 mm

### BUILD CHAMBER

Enclosed chamber  
Build volume:  $\varnothing$ 400 mm x 400 mm  
Round glass printedbed  
Printbed heating up to 120 °C

### SOFTWARE



Device control and management

# MP40

## Large Desktop 3D Printer

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### Printer

Technology: Fused Filament Fabrication (FFF)  
Build volume (d x h): Ø400 mm x 400 mm, cylindrical  
Motion system: precision linear guideways  
Maximum printhead travel speed: 250 mm/s  
XYZ accuracy: 6, 6, 5 micron  
Ultimate layer resolution: 50 micron  
Electronics: 32-bit  
Firmware: open-source Repetier-Firmware  
Filament : Filament sensor  
Connectivity: USB 2.0 and Ethernet jacks, Wi-Fi  
Automation ready: yes (software interfaces)

### Chamber

Build chamber: enclosed  
Build chamber door: polycarbonate  
Build chamber illumination: yes

### Build plate

Type: glass plate  
Temperature up to 120 °C  
Heatup time: 5 min

### Power requirements

Max: 565 W

### Regulatory compliance

CE, WEEE

### Safety

Air filtering: air & active carbon filters  
Overheating protection: yes

### Printer size

Dimensions (w x d x h):  
535 mm x 588 mm x 1100 mm  
535 mm x 608 mm x 1100 mm (with spool holder)  
Weight: 93 kg  
Shipping dimensions (w x d x h):  
840 mm x 800 mm x 1200 mm  
Shipping weight: 110 kg

### Ambient conditions

Operating ambient temperature: 15-35 °C, 10-90 % RH

### Software

Supplied software:

FabControl® (printing, drying profile management software)

FabControl® Embedded (device control software)

Supported 3D models file format : .stl, .obj, .3mf

Supported print file format: .gcode (up to 150MB)