

MP30

Large Desktop 3D Printer

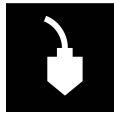
- Advanced software
- Enclosed chamber



**AUTOMATION
READY**



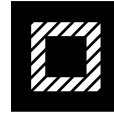
Automatic calibration



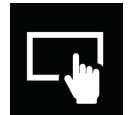
All-metal hotend



Status notifications



Air filtration & circulation



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: 0300 mm x 300 mm
Round glass printbed
Printbed heating up to 120 °C

SOFTWARE



Device control and management

MP30

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Printer

Technology: Fused Filament Fabrication (FFF)
Build volume (d x h): 0300 mm x 300 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
Filament: Filament sensor
Firmware: open-source Repetier-Firmware
Monitoring: built-in HD camera (optionally)
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):
425 mm x 470 mm x 855 mm
425 mm x 490 mm x 855 mm (with spool holder)
Weight: 40 kg
Shipping dimensions (w x d x h):
720 mm x 800 mm x 1200 mm
Shipping weight: 70 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)