

MP600

Production 3D Printer

- Multiple hotend options
- Advanced software
- Integrated filament dryers
- Enclosed chamber
- Built to order



Automatic calibration



Multiple hotend options



Controlled chamber



Compressed air part cooling



Integrated dual filament dryers



Hotend liquid cooling

EXTRUSION SYSTEM

Multiple hotend options
All-metal hotend and feeder
Extrusion temperature up to 475 °C
Included nozzle: 0.4 mm

BUILD CHAMBER

Enclosed, controlled chamber
Build volume: \varnothing 400 mm x 580 mm
Round glass printedbed
Printbed heating up to 120 °C

SOFTWARE



Device control and management

MP600

Production 3D Printer

Printer

Technology: Fused Filament Fabrication (FFF)
Build volume (d x h): Ø400 mm x 580 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
Remote monitoring: built-in HD camera
Connectivity: USB 2.0 and Ethernet jacks, Wi-Fi
Automation ready: yes (software interfaces)

Chamber

Build chamber: enclosed
Build chamber door: tempered glass
Build chamber illumination: yes
Build chamber temperature: up to 80°C

Build plate

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

Filament dryers

Compatibility: "open material" spools up to 1 kg
Spool size (diameter x width):
200 mm x 80 mm

Power requirements

Installed power: 3000 W

Regulatory compliance

CE, WEEE

Safety

Air filtering: air & active carbon filters
Door safety switch: yes
Overheating protection: yes

Printer size

Dimensions (w x d x h):
710 mm x 730 mm x 1810 mm

Ambient conditions

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

Software

Supplied software:
Slic3r (slicer)
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)

AVAILABLE EXTRUSION SYSTEMS for D600

Pro Bowden 1.75

- Up to 300 °C
- Single Nozzle Bowden
- Fan cooled
- Fan part cooling
- Dual Grip feeder

Pro Direct 1.75

- Up to 300 °C
- Direct Drive
- Fan cooled
- Fan part cooling
- Dual Grip feeder

HT Bowden Dual 1.75

- Up to 475 °C
- Dual Nozzle Bowden
- Liquid cooled
- Compressed air part cooling
- Dual Grip feeder

HT Direct 1.75

- Up to 475 °C
- Direct Drive
- Liquid cooled
- Compressed air part cooling
- Dual Grip feeder