MASS PORTAL

MP1200 CRAIG

Solution for large part production

KEY FEATURES

- “Single-click” workflow
- Automatic bed leveling
- Integrated dual filament dryer
- Open material
- Large build area
- Up to 5 kg spools
- Dual printhead
- Liquid cooling

HARDWARE

- All metal hotend
- Bowden extruder
- Nozzle: ø0.4mm Brass
- Build area: ø540mm x 580mm
- Integrated dryers: 1 (dual)
- Part cooling fans: 2
- Detachable Bowden assembly
- Modular design

SOFTWARE

- At least 16Gb memory card installed
- Integrated slicing and g-code processing
- Web workflow and machine management system

E-mail: sales@massportal.com
MassPortal.com

For more information, please contact a sales representative

Document version: 08.06.2022

MASS PORTAL

MP1200 CRAIG

Printer specification

Printer

Technology: Fused Filament Fabrication (FFF)
Build volume (d x h): 540mm x 580 mm, cylindric
Motion system: precision linear guideways
Maximum printhead travel speed: 150 mm/s
XYZ accuracy: 6, 6, 5 micron
Ultimate layer resolution: 50 micron
Electronics: 32-bit
Firmware: open-source Repetier-Firmware
Connectivity: USB 2.0 and Ethernet jacks, Wi-Fi
Automation ready: yes (software interfaces)

Chamber

Build chamber: enclosed; Heated up to 80C
Build chamber door: tempered glass
Build chamber illumination: yes

Build plate

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

Filament dryers

Compatibility: "open material" spools up to 5 kg
Spool size (diameter x width):
350 mm x 100 mm

Power requirements

Installed power 4000W

Regulatory compliance

CE, WEEE

Safety

Overheating protection: yes

Printer size

Dimensions (w x d x h):
740 mm x 845 mm x 2030 mm

Ambient conditions

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

Software

Supplied software:
Mass Portal Cloud (printing, drying profile management software)
Mass Portal Cloud Embedded (device control software)
Supported 3D models file format : .stl, .obj, .3mf
Supported print file format: .gcode (up to 150MB)

EXTRUSION SYSTEM

Pro Bowden 1.75

- Up to 450 °C
- Dual Nozzle Bowden
- Fan part cooling
- Liquid cooled
- Automatic bed leveling
- Detachable assembly

E-mail: sales@massportal.com
MassPortal.com

For more information, please contact a sales representative

Document version: 08.06.2022