

XD10

High Resolution Desktop 3D Printer



EXTRUSION

Single-feed Bowden tube
All-metal hotend and feeder
Extrusion temperature up to 300 °C
Included nozzle: 0.2 mm

BUILD CHAMBER

Enclosed, illuminated chamber
Build volume: 100 mm x 100 mm x 200 mm
Quick-release glass printbed
Printbed heating up to 120 °C



Automatic
printbed leveling



Quick-release
heated printbed



Rigid
construction



Air filtration
& circulation



Status
notifications



Built-in
camera



Printer
control software



Printer & dryer
monitoring and control



Full commercial license for
Simplify3D™ slicing software

XD10

High Resolution Desktop 3D Printer

Printer

Technology: Fused Filament Fabrication (FFF)
Build volume (w x d x h): 100 mm x 100 mm x 200 mm, square
Build chamber: open or enclosed
Build chamber illumination: yes
Build chamber ventilation: two intake fans
Motion system: precision miniature linear guideways
Frame: rigid aluminium frame
Maximum printhead travel speed: 250 mm/s
Electronics: 32-bit
Firmware: open-source Repetier-Firmware
Extruder type: Bowden tube
Feeder: custom-designed dual geared grip feeder
XYZ accuracy: 1.5, 1.5, 5 micron
Ultimate layer resolution: 70 micron (0.2-mm nozzle)*
Noise level: 56 dBA
Remote monitoring: built-in HD camera
Connectivity: USB 2.0 and Ethernet jacks, Wi-Fi
Automation ready: yes (software interfaces)

Printhead

Printhead: all-metal Mass Portal Pharaoh
Printhead cooling: fan
Heater: two resistive heaters
Nozzle temperature: 75 - 300 °C
Nozzle heatup time: < 2 min
Nozzle inner diameter: 0.2 mm (supplied), 0.4 - 1.0 mm
Deposition speed: < 1 mm³/s (0.2-mm nozzle)*
Printed part cooling: 3 fans

Build plate

Build plate: quick-release glass plate
Build plate temperature range: RT - 120 °C
Build plate heatup time: 5 min

*material and settings dependent value

Power requirements

max. 465 W, 220 VAC, 2.2 A, 50-60 Hz

Regulatory compliance

CE, WEEE

Safety

Air filtering: HEPA & active carbon filters

Model material

Material type: 1.75 mm thermoplastic filament
Supported nozzle materials: "open material" with softening/melting temperature below 300 °C (ABS, ASA, CPE, HIPS, PA (Nylon), PC, PET, PETG, PLA, PMMA, POM, PP, PVA, TPE, TPU, as well as filled filaments)
Hardness: > 85 A Shore

Printer size and weight

Dimensions (w x d x h):
340 mm x 370 mm x 641 mm
340 mm x 390 mm x 641 mm (with spool holder)
Weight: 22.5 kg
Shipping dimensions (w x d x h):
400 mm x 400 mm x 760 mm
Shipping weight: 30 kg

Ambient conditions

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

Software

Supplied software:
Simplify3D™ (slicer and control software)
cloud-based FabCloud™ (printing, drying profile management software)
FabControl® (printer control software)
Supported OS: Linux, MacOS, Windows
Supported 3D models file format : .stl, .obj, .3mf
Supported print file format: .gcode