

# XD10

## High Resolution Desktop 3D Printer

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### 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 settings management  
software



Full commercial license for  
Simplify3D™ slicing software

# XD10

## High Resolution Desktop 3D Printer

Price (MSRP, excl. VAT)

€ 2999,-

### 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  
Air filtering: HEPA & active carbon filters  
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

### 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 mm<sup>3</sup>/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

### Power requirements

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

### Regulatory compliance

CE, WEEE

### Model material

Type: Filament  
Filament diameter: 1.75 mm  
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

\*material and settings dependent value

# XD20

## Compact Desktop 3D Printer

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### EXTRUSION

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

### BUILD CHAMBER

Enclosed, illuminated chamber  
Build volume:  $\varnothing 200$  mm x 200 mm, cylindric  
Removable heated glass printbed  
Printbed heating up to 120 °C



Automatic  
printbed leveling



Touchscreen  
interface



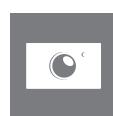
Rigid  
construction



Air filtration  
& circulation



Status  
notifications



Built-in  
camera



Printer  
control software



Printing & drying settings  
management software



Full commercial license for  
Simplify3D™ slicing software

# XD20

## Compact Desktop 3D Printer

**Price (MSRP, excl. VAT)**

**€ 2999,-**

### Printer

Technology: Fused Filament Fabrication (FFF)  
Build volume (w x d x h): 200 mm x 200 mm x 200 mm, cylindrical  
Build chamber: open or enclosed  
Build chamber illumination: yes  
Build chamber ventilation: two intake fans  
Air filtering: HEPA & active carbon filters  
Motion system: precision 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: 2, 2, 5 micron  
Ultimate layer resolution: 150 micron (0.4-mm nozzle)\*  
Noise level: 56 dBA  
Remote monitoring: built-in HD camera  
Connectivity: USB 2.0 and Ethernet jacks, Wi-Fi

### 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: 0.4 mm (supplied), 0.2 - 1.0 mm  
Deposition speed: < 5 mm<sup>3</sup>/s (0.4 mm nozzle)\*  
Printed part cooling: 3 fans

### Build plate

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

### Power requirements

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

### Regulatory compliance

CE, WEEE

### Model material

Type: Filament  
Filament diameter: 1.75 mm  
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

\*material and settings dependent value

# XD30

## Large Desktop 3D Printer



### EXTRUSION

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

### BUILD CHAMBER

Enclosed, illuminated chamber  
Build volume:  $\varnothing$ 300 mm x 300 mm, cylindric  
Removable heated glass printbed  
Printbed heating up to 120 °C



Automatic  
printbed leveling



Touchscreen  
interface



Rigid  
construction



Air filtration  
& circulation



Status  
notifications



Built-in  
camera



Printer  
control software



Printing & drying settings  
management software



Full commercial license for  
Simplify3D™ slicing software

# XD30

## Large Desktop 3D Printer

**Price (MSRP, excl. VAT)**

**€ 3999,-**

### Printer

Technology: Fused Filament Fabrication (FFF)  
Build volume (w x d x h): 300 mm x 300 mm x 300 mm, cylindrical  
Build chamber: open or enclosed  
Build chamber illumination: yes  
Build chamber ventilation: two intake fans  
Air filtering: HEPA & active carbon filters  
Motion system: precision 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: 6, 6, 5 micron  
Ultimate layer resolution: 150 micron (0.4-mm nozzle)\*  
Noise level: 56 dBA  
Remote monitoring: built-in HD camera  
Connectivity: USB 2.0 and Ethernet jacks, Wi-Fi

### 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: 0.4 mm (supplied), 0.2 - 1.0 mm  
Deposition speed: < 5 mm<sup>3</sup>/s (0.4 mm nozzle)\*  
Printed part cooling: 3 fans

### Build plate

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

### Power requirements

max. 565 W, 220 VAC, 2.6 A, 50-60 Hz

### Regulatory compliance

CE, WEEE

### Model material

Type: Filament  
Filament diameter: 1.75 mm  
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):  
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:  
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

\*material and settings dependent value