

# D100

## High Resolution Desktop 3D Printer



### EXTRUSION SYSTEM

Dual nozzle Bowden system  
All-metal hotend and feeder  
Extrusion temperature up to 475 °C  
Included nozzle: 0.2 mm

### BUILD CHAMBER

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



Nozzle Touch<sup>™</sup>  
autocalibration



Dual nozzle  
hotend



Heated  
chamber



Compressed air  
part cooling



Air filtration  
& circulation



Hotend  
liquid cooling



Printer  
control software



Printer & dryer  
monitoring and control



Full commercial license for  
Simplify3D<sup>™</sup> slicing software

# D100

## High Resolution Desktop 3D Printer

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

**€ 5999**

### Printer

Technology: Fused Filament Fabrication (FFF)  
Build volume (w x d x h): 100 mm x 100 mm x 200 mm, square  
Build chamber: enclosed, thermally insulated  
Build chamber door: tempered glass  
Build chamber temperature: room temperature - 50°C  
Build chamber illumination: yes  
Build chamber ventilation: two intake, two exhaust fans  
Motion system: precision linear guideways  
Frame: rigid aluminium frame  
Maximum printhead travel speed: 250 mm/s  
Electronics: 32-bit  
Firmware: open-source Repetier-Firmware  
Extrusion type: Bowden tube  
Feeder type: custom-designed dual grip feeder  
XYZ accuracy: 1.5, 1.5, 5 micron  
Ultimate layer resolution: 70 micron (0.2-mm nozzle)\*  
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 dual nozzle  
Printhead cooling: liquid cooled  
Rod ends: heat-resistant precision rod ends  
Heater: four resistive heaters  
Nozzle temperature: 75 - 475 °C  
Nozzle heatup time: < 5 min  
Nozzle inner diameter: 0.2 mm (supplied), 0.4 mm  
Deposition speed: < 5 mm<sup>3</sup>/s (0.4 mm nozzle)\*  
Printed part cooling: compressed air

### Build plate

Type: glass plate  
Temperature range: room temperature - 120 °C  
Heatup time: 5 min

\*material and settings dependent value

### Power requirements

Max. 1080 W

### Regulatory compliance

CE, WEEE

### Safety

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

### Model material

Type: filament  
Filament diameter: 1.75 mm  
Supported nozzle materials: "open material" with softening/melting temperature below 475 °C (ABS, ASA, BVOH, CPE, HIPS, PA (Nylon), PC, PEI, PEEK, PET, PETG, PLA, PMMA, POM, PP, PPSU, PVA, PVB, TPE, TPU, as well as filled filaments)  
Hardness: > 85 A Shore

### Printer size

Dimensions (w x d x h):  
340 mm x 370 mm x 641 mm

### Ambient conditions

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

### Software

Supplied software:  
Simplify3D™ (licer 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

# D200

## High Performance Desktop 3D Printer



### EXTRUSION SYSTEM

Dual nozzle Bowden system  
All-metal hotend and feeder  
Extrusion temperature up to 475 °C  
Included nozzle: 0.4 mm

### BUILD CHAMBER

Enclosed, thermally insulated, heated chamber  
Build volume: 200 mm x 200 mm x 200 mm, cylindric  
Quick-release glass printbed  
Printbed heating up to 120 °C



Nozzle Touch<sup>™</sup>  
autocalibration



Dual nozzle  
hotend



Heated  
chamber



Compressed air  
part cooling



Air filtration  
& circulation



Hotend  
liquid cooling



Printer  
control software



Printer & dryer  
monitoring and control



Full commercial license for  
Simplify3D<sup>™</sup> slicing software

# D200

## High Performance Desktop 3D Printer

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

**€ 5999**

### Printer

Technology: Fused Filament Fabrication (FFF)  
Build volume (w x d x h): 200 mm x 200 mm x 200 mm, cylindrical  
Build chamber: enclosed, thermally insulated  
Build chamber door: tempered glass  
Build chamber temperature: room temperature - 50°C  
Build chamber illumination: yes  
Build chamber ventilation: two intake, two exhaust fans  
Motion system: precision linear guideways  
Frame: rigid aluminium frame  
Maximum printhead travel speed: 250 mm/s  
Electronics: 32-bit  
Firmware: open-source Repetier-Firmware  
Extrusion type: Bowden tube  
Feeder type: custom-designed dual grip feeder  
XYZ accuracy: 6, 6, 5 micron  
Ultimate layer resolution: 150 micron (0.4-mm nozzle)\*  
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 dual nozzle  
Printhead cooling: liquid cooled  
Rod ends: heat-resistant precision rod ends  
Heater: four resistive heaters  
Nozzle temperature: 75 - 475 °C  
Nozzle heatup time: < 5 min  
Nozzle inner diameter: 0.4 mm (supplied), 0.6 - 1.4 mm  
Deposition speed: < 5 mm<sup>3</sup>/s (0.4 mm nozzle)\*  
Printed part cooling: compressed air

### Build plate

Type: glass plate  
Temperature range: room temperature - 120 °C  
Heatup time: 5 min

\*material and settings dependent value

### Power requirements

Max. 1080 W

### Regulatory compliance

CE, WEEE

### Safety

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

### Model material

Type: filament  
Filament diameter: 1.75 mm  
Supported nozzle materials: "open material" with softening/melting temperature below 475 °C (ABS, ASA, BVOH, CPE, HIPS, PA (Nylon), PC, PEI, PEEK, PET, PETG, PLA, PMMA, POM, PP, PPSU, PVA, PVB, TPE, TPU, as well as filled filaments)  
Hardness: > 85 A Shore

### Printer size

Dimensions (w x d x h):  
340 mm x 370 mm x 641 mm

### Ambient conditions

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

### Software

Supplied software:  
Simplify3D™ (licer 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

# D300

## High Performance Large Desktop 3D Printer



### EXTRUSION SYSTEM

Dual nozzle Bowden system  
All-metal hotend and feeder  
Extrusion temperature up to 475 °C  
Included nozzle: 0.4 mm

### BUILD CHAMBER

Enclosed, thermally insulated, heated chamber  
Build volume: 300 mm x 300 mm x 300 mm, cylindrical  
Quick-release glass printbed  
Printbed heating up to 120 °C



Nozzle Touch<sup>™</sup>  
autocalibration



Dual nozzle  
hotend



Heated  
chamber



Compressed air  
part cooling



Air filtration  
& circulation



Hotend  
liquid cooling



Printer  
control software



Printer & dryer  
monitoring and control



Full commercial license for  
Simplify3D<sup>™</sup> slicing software

# D300

## High Performance Large Desktop 3D Printer

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

**€ 7999**

### Printer

Technology: Fused Filament Fabrication (FFF)  
Build volume (w x d x h): 300 mm x 300 mm x 300 mm, cylindrical  
Build chamber: enclosed, thermally insulated  
Build chamber door: tempered glass  
Build chamber temperature: room temperature - 50°C  
Build chamber illumination: yes  
Build chamber ventilation: two intake, two exhaust fans  
Motion system: precision linear guideways  
Frame: rigid aluminium frame  
Maximum printhead travel speed: 250 mm/s  
Electronics: 32-bit  
Firmware: open-source Repetier-Firmware  
Extrusion type: Bowden tube  
Feeder type: custom-designed dual grip feeder  
XYZ accuracy: 6, 6, 5 micron  
Ultimate layer resolution: 150 micron (0.4-mm nozzle)\*  
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 dual nozzle  
Printhead cooling: liquid cooled  
Rod ends: heat-resistant precision rod ends  
Heater: four resistive heaters  
Nozzle temperature: 75 - 475 °C  
Nozzle heatup time: < 5 min  
Nozzle inner diameter: 0.4 mm (supplied), 0.6 - 1.4 mm  
Deposition speed: < 5 mm<sup>3</sup>/s (0.4 mm nozzle)\*  
Printed part cooling: compressed air

### Build plate

Type: glass plate  
Temperature range: room temperature - 120 °C  
Heatup time: 5 min

\*material and settings dependent value

### Power requirements

Max. 1080 W

### Regulatory compliance

CE, WEEE

### Safety

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

### Model material

Type: filament  
Filament diameter: 1.75 mm  
Supported nozzle materials: "open material" with softening/melting temperature below 475 °C (ABS, ASA, BVOH, CPE, HIPS, PA (Nylon), PC, PEI, PEEK, PET, PETG, PLA, PMMA, POM, PP, PPSU, PVA, PVB, TPE, TPU, as well as filled filaments)  
Hardness: > 85 A Shore

### Printer size

Dimensions (w x d x h):  
480 mm x 620 mm x 855 mm

### 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

# D400 Dual Dryer

Production 3D Printer with Dual Filament Dryers



## EXTRUSION SYSTEM

Dual nozzle Bowden system  
All-metal hotend and feeder  
Extrusion temperature up to 475 °C  
Included nozzle: 0.4 mm

## BUILD CHAMBER

Enclosed, thermally insulated, heated chamber  
Build volume: 400 mm x 400 mm x 400 mm, cylindric  
Quick-release glass printbed  
Printbed heating up to 120 °C



Nozzle Touch<sup>™</sup>  
autocalibration



Dual nozzle  
hotend



Heated  
chamber



Compressed air  
part cooling



Integrated dual  
filament dryers



Hotend  
liquid cooling



Printer  
control software



Printer & dryer  
monitoring and control



Full commercial license for  
Simplify3D<sup>™</sup> slicing software

# D400 Dual Dryer

## Production 3D Printer with Dual Filament Dryers

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

**€ 12999**

### Printer

Technology: Fused Filament Fabrication (FFF)  
Build volume (w x d x h): 400 mm x 400 mm x 400 mm, cylindrical  
Build chamber: enclosed, thermally insulated  
Build chamber door: tempered glass  
Build chamber temperature: room temperature - 80°C  
Build chamber illumination: yes  
Build chamber ventilation: two intake, two exhaust fans  
Motion system: precision linear guideways  
Frame: rigid aluminium frame  
Maximum printhead travel speed: 250 mm/s  
Electronics: 32-bit  
Firmware: open-source Repetier-Firmware  
Extrusion type: Bowden tube  
Feeder type: custom-designed dual grip feeder  
XYZ accuracy: 6, 6, 5 micron  
Ultimate layer resolution: 150 micron (0.4-mm nozzle)\*  
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 dual nozzle  
Printhead cooling: liquid cooled  
Rod ends: heat-resistant precision rod ends  
Heater: four resistive heaters  
Nozzle temperature: 75 - 475 °C  
Nozzle heatup time: < 5 min  
Nozzle inner diameter: 0.4 mm (supplied), 0.6 - 1.4 mm  
Deposition speed: < 5 mm<sup>3</sup>/s (0.4 mm nozzle)\*  
Printed part cooling: compressed air

### Build plate

Type: glass plate  
Temperature range: room temperature - 120 °C  
Heatup time: 5 min

\*material and settings dependent value

### Power requirements

Max. 2780 W

### Regulatory compliance

CE, WEEE

### Safety

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

### Model material

Type: filament  
Filament diameter: 1.75 mm  
Supported nozzle materials: "open material" with softening/melting temperature below 475 °C (ABS, ASA, BVOH, CPE, HIPS, PA (Nylon), PC, PEI, PEEK, PET, PETG, PLA, PMMA, POM, PP, PPSU, PVA, PVB, TPE, TPU, as well as filled filaments)  
Hardness: > 85 A Shore

### Filament dryers

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

### Printer size

Dimensions (w x d x h):  
755 mm x 770 mm x 1775 mm

### 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



# D400

## Production 3D Printer



### EXTRUSION SYSTEM

Dual nozzle Bowden system  
All-metal hotend and feeder  
Extrusion temperature up to 475 °C  
Included nozzle: 0.4 mm

### BUILD CHAMBER

Enclosed, thermally insulated, heated chamber  
Build volume: 400 mm x 400 mm x 400 mm, cylindric  
Quick-release glass printbed  
Printbed heating up to 120 °C



Nozzle Touch™  
autocalibration



Dual nozzle  
hotend



Heated  
chamber



Compressed air  
part cooling



Air filtration  
& circulation



Hotend  
liquid cooling



Printer  
control software



Printer & dryer  
monitoring and control



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# D400

## Production 3D Printer

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

**€ 9999**

### Printer

Technology: Fused Filament Fabrication (FFF)  
Build volume (w x d x h): 400 mm x 400 mm x 400 mm, cylindrical  
Build chamber: enclosed, thermally insulated  
Build chamber door: tempered glass  
Build chamber temperature: room temperature - 80°C  
Build chamber illumination: yes  
Build chamber ventilation: two intake, two exhaust fans  
Motion system: precision linear guideways  
Frame: rigid aluminium frame  
Maximum printhead travel speed: 250 mm/s  
Electronics: 32-bit  
Firmware: open-source Repetier-Firmware  
Extrusion type: Bowden tube  
Feeder type: custom-designed dual grip feeder  
XYZ accuracy: 6, 6, 5 micron  
Ultimate layer resolution: 150 micron (0.4-mm nozzle)\*  
Remote monitoring: built-in HD camera  
Connectivity: USB 2.0 and Ethernet jacks, Wi-Fi  
Automation ready: yes (software interfaces)

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Printhead: all-metal Mass Portal dual nozzle  
Printhead cooling: liquid cooled  
Rod ends: heat-resistant precision rod ends  
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Nozzle heatup time: < 5 min  
Nozzle inner diameter: 0.4 mm (supplied), 0.6 - 1.4 mm  
Deposition speed: < 5 mm<sup>3</sup>/s (0.4 mm nozzle)\*  
Printed part cooling: compressed air

### Build plate

Type: glass plate  
Temperature range: room temperature - 120 °C  
Heatup time: 5 min

### Power requirements

Max. 1980 W

### Regulatory compliance

CE, WEEE

### Safety

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

### Model material

Type: filament  
Filament diameter: 1.75 mm  
Supported nozzle materials: "open material" with softening/melting temperature below 475 °C (ABS, ASA, BVOH, CPE, HIPS, PA (Nylon), PC, PEI, PEEK, PET, PETG, PLA, PMMA, POM, PP, PPSU, PVA, PVB, TPE, TPU, as well as filled filaments)  
Hardness: > 85 A Shore

### Printer size

Dimensions (w x d x h):  
755 mm x 770 mm x 1775 mm

### Ambient conditions

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

### Software

Supplied software:  
Simplify3D™ (licer and control software)  
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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