



Technology Education Concepts

World Class Award Winning 3D Printers



Ultimaker



Make Magazine:
*"Ultimaker 3D Printer:
Best in Shootout for
overall print quality."*



ULTIMAKER 2+ (\$2,499 US)

ULTIMAKER 2 EXTENDED+ (\$2,999 US)

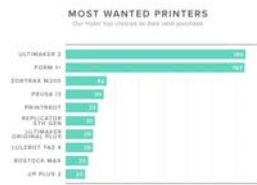
ULTIMAKER 2 GO (\$1,199 US)

SUCCESSFUL PRINTS WHATEVER THE COMPLEXITY

The Ultimaker 2+ performs difficult 3D printing tasks with ease. Thanks to extensive research and development, it excels at bridging, overhangs and accurate details to realize prints of all shapes and sizes. Famous for it's excellent reliability, precise control and beautifully smooth prints.



Engineered to Perform.



3D Hubs Most Wanted 3D Printer

SPECIFICATIONS for Ultimaker 2+ and Ultimaker 2 Extended+

Specifications for the Ultimaker 2+ and Ultimaker 2+ Extended are the same except as noted in red.

PRINTER AND PRINTING PROPERTIES

Print technology	Fused Filament Fabrication (FFF)
Print head	Swappable nozzle
Build volume	223 x 223 x 205 mm (305 mm 2+ Ext.)
Filament diameter	2.85 mm
Layer resolution	0.25 mm nozzle: 150 to 60 micron 0.4 mm nozzle: 200 to 20 micron 0.6 mm nozzle: 400 to 20 micron 0.8 mm nozzle: 600 to 20 micron
X, Y, Z accuracy	12.5, 12.5, 5 micron
Print head travel speed	30 to 300 mm/s
Extrusion speed	0.25 mm nozzle: up to 8 mm ³ /s 0.4 mm nozzle: up to 16 mm ³ /s 0.6 mm nozzle: up to 23 mm ³ /s 0.8 mm nozzle: up to 24 mm ³ /s
Build plate	Heated glass build plate (20° to 100° C)
Supported materials	PLA, ABS, CPE (Open Filament System)*
Nozzle diameter	0.25, 0.4, 0.6, 0.8 mm
Nozzle temperature	180° to 260° C
Build plate temperature	50° to 100° C
Nozzle heat up time	~ 1 minute
Build plate heat up time	< 4 minutes
Average operating sound	50 dBA
File transfer	Standalone 3D printing from SD card
Build plate leveling	Manual, assisted leveling process

*Ultimaker printers can be used with third party filament. However for the best printing results we recommend you use Ultimaker PLA, ABS or CPE.

WARRANTY

The Ultimaker 2+ comes with a 1 year warranty (excluding the hot end) and free lifetime support.

Learn more about our services on the warranty page at www.ultimaker.com/warranty



PHYSICAL DIMENSIONS

Dimensions (excluding bowden tube and spoolholder)	357 x 342 x 388 mm (488 mm 2+ Ext.)
Dimensions (including bowden tube and spoolholder)	493 x 342 x 588 mm (688 mm 2+ Ext.)
Nett weight	11.3 kg (12.3 kg 2+ Ext.)
Shipping weight	18.5 kg (19.5 kg 2+ Ext.)

POWER REQUIREMENTS

Input	100 - 240 V 4 A, 50 - 60 Hz 221 W max.
Output	24 V DC, 9.2 A

AMBIENT CONDITIONS

Operating ambient temperature	15° to 32° C
Nonoperating temperature	0° to 32° C

SOFTWARE

Print preparation	Cura - Official Ultimaker Software (free) (prepared for nozzle size selection)
Supported OS	Mac OS X, Windows, Linux
Supported file types	STL, OBJ, DAE

CERTIFICATES

The Ultimaker 2+ has CE marking and is therefore in compliance with the essential requirements of the Machinery Directive, Electromagnetic Compatibility Directive, RoHS, RoHS II and Reach.

The official CE certificate can be downloaded here www.ultimaker.com/safety

Free extras include:

- An SD card, glue stick, grease, hex wrenches and a USB cable
- Swappable 0.25, 0.4, 0.6 and 0.8 mm nozzles
- A 0.75 kg spool of Ultimaker Silver PLA
- Cura, our award-winning print preparation software
- Free Powerful Ultimaker app
- A calibration card to level the build plate
- Comprehensive 12 month warranty
- Lifetime expert support
- An active global community of makers

SPECIFICATIONS for the Ultimaker 2 Go



Physical

Included Filament: PLA
 Included Spare Parts: Hot End Pack & PT100B Sensor
 Included Accessories:
 Spool holder & filament guide, Glue stick, Power supply & cable, USB cable (for firmware only), Test print, Hex wrenches, Grease, User manual
 Dimensions: 25.8 X 25.0 X 28.75 cm [10.16 X 9.84 X 11.32 in]
 Weight: 14kg [31lb]
 Assembled: Yes

Electrical

Power requirements: 24 V DC @ 9.2 AMPS
 AC Input: 100-240V / ~4A / 50-60HZ / 221w max.

Printing

Build Volume:
 12 X 12 X 11.5 cm [4.72 X 4.72 X 4.53 in] 10608 cm³ [633 in³]

Build Platform: Not heated
 Supported Filament: PLA
 Max Layer Resolution: 20 microns [.000787 in]
 XY Positioning Precision: 12 microns [.00047 in]
 Z Positioning Precision: 5 microns [.0002 in]
 Print Speed: 30 mm/s - 300 mm/s
 Travel Speed: 30 mm/s - 350 mm/s
 Print Technology: FDM
 Filament Diameter: 2.85 mm [.1122 in]
 Extruders: Single
 Nozzle Diameter: .4 mm [.015 in]

Support / Warranty

Warranty: One-year manufacturer's warranty

Temperature

Operating Temperature: 15-32°C [60-90°F]
 Storage Temperature: 0-32°C [32-90°F]

Connectivity SD Card slot,
 USB* (*Firmware updates only)

Software

Supported OS:
 Windows XP+, Mac OS X 10.6+,
 Linux Ubuntu 12.10+
 Bundled Software: Cura
 Supported File Types: STL, OBJ,
 DAE, AMF

