

Ultimaker 2+



Award-winning performance, limitless capabilities



Reliable 3D Printing - tailored to your needs

Ultimaker 2+ is designed to perform. Reliable, consistent and user-friendly, it's suitable for a limitless variety of applications, from functional prototypes to customized tools. It supports a wide range of materials and delivers powerful, first-class results with every print.

Choice of materials

Ultimaker 2+ supports a wealth of different materials, including PLA, ABS, CPE, CPE+, PC, Nylon and TPU95A opening up limitless printing possibilities. In addition, Ultimaker's open filament system allows for greater innovation and more freedom to try and test other types of filament to match to your specific requirements.

Consistency and Quality

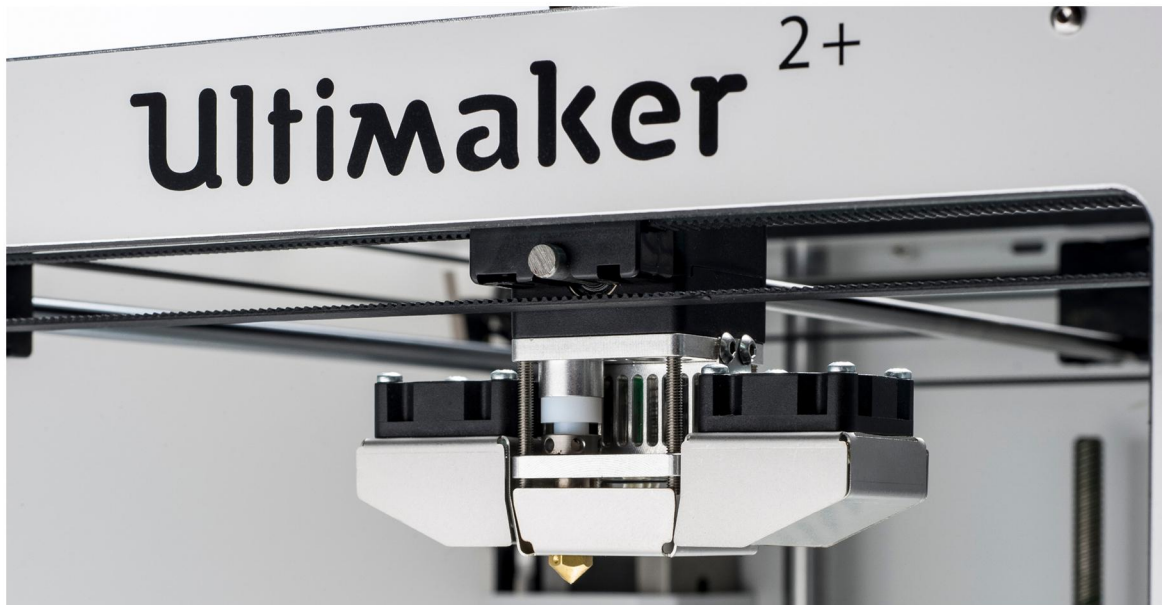
Designed by experts and enriched by our global community, Ultimaker 2+ performs even complex 3D Printing tasks with ease. It's particularly effective for printing bridging, overhangs, and accurate details, enabling users to create high-quality, consistent result, tailored to their business.

World wide recognition

Ultimaker 2+ has been lauded by publishers and marketplaces alike; including 3D hubs, Tested, Make: Magazine, and Digital Trends. Engineering.com described it as "a reliable, high-resolution prototyping machine fit for engineers, designers, educators and students."

Swappable nozzles

Ultimaker 2+ comes with a Nozzle Kit, which features four nozzle sizes (0.25, 0.6 and 0.8mm with the 0.4mm pre-installed). The smaller nozzles allow for greater detail, and larger nozzles mean faster prints. They're quick and easy to change.



Heated glass build plate

Ultimaker 2+ features a stiff glass build plate, designed to produce superior results. It's heated, enabling users to print with a wider range of materials, and is removable, for easy print access.

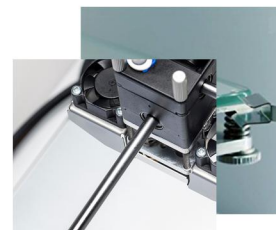


Greater feeder

The geared feeder places more pressure on the filament, whilst reducing heat exposure from the motor. This improves grip and boosts torque (which eliminates filament skipping in the extruder motor), and filament can be easily removed or inserted by using the grip-release button.

Efficient cooling

Powerful fans create optimized airflow for efficient cooling. Fancaps aim the air directly below the nozzle and equally from both sides, resulting in high-quality bridging, smooth surfaces, and fast prints.



Ultimaker 2+ Specifications

Printer and printing properties

Technology	Fused Deposition Modeling (FDM)
Print head	Single - extrusion print head with swappable nozzles
Build volume	223 x 223 x 205mm
Filament diameter	2.85mm
	0.25mm nozzle: 150 to 60 microns
	0.40mm nozzle: 200 to 20 microns
	0.60mm nozzle: 400 to 20 microns
	0.80mm nozzle: 600 to 20 microns
XYZ accuracy	12.5, 12.5, 5 microns
Print head travel speed	30 - 300 mm/s
Build speed	0.25 mm nozzle: upto 8 mm ³ /s
	0.40 mm nozzle: upto 16 mm ³ /s
	0.60 mm nozzle: upto 23 mm ³ /s
	0.80 mm nozzle: upto 24 mm ³ /s
Build plate	Heated glass build plate
Build plate temperature	50 - 100°C
Build plate leveling	Assisted levelling process
Supported materials	PLA, ABS, CPE, CPE+, PC, Nylon, TPU 95A
Nozzle diameter	0.25, 0.4, 0.6 and 0.8 mm nozzles
Nozzle temperature	180 - 260°C
Nozzle heat up time	~ 1 min
Build plate heatup time	< 4 minutes
Operating sound	50dBA
Connectivity	Standalone 3D printing from SD card

Physical dimensions

Dimensions	342 x 357 x 388 mm
Nett weight	11.3 kg
Shipping weight	18.5 kg
Shipping box dimensions	390 x 400 x 565 mm

Power requirements

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

Ambient conditions

Operating ambient temperature	15 - 32°C
	See material specifications for optional condition
Non operating temperature	0 - 32°C

Software

Supplied software	Cura, our free print preparation software
Supported OS	macOS, Windows, and Linux
File types	STL, OBJ, and 3MF

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