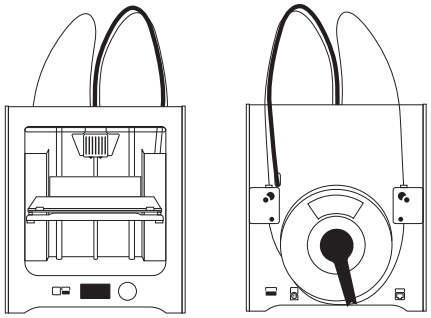
Ultimaker 3

Specification sheet



Achieve complex geometries and intricate designs with the award-winning Ultimaker 3 and its market-leading dual extrusion system. And when combined with our fully integrated system of hardware, software, and materials, your entire professional 3D printing workflow is covered.

Design freedom with reliable dual extrusion
Discover a new level of design complexity with the Ultimaker 3, using its reliable dual extrusion technology and water-soluble support. Print in a range of engineering and support materials for complete design freedom, with minimal post-processing.

Open and connected system
Connect the Ultimaker 3 with multiple printers over Wi-Fi, while NFC technology automatically recognizes the loaded material. But it's also an open system, so you can use third-party materials or integrate Ultimaker Cura with your existing software.

Market-leading software
Trusted by over 2 million users, Ultimaker Cura software prepares your 3D model for printing. Free to download, it features the optimal preconfigured settings for Ultimaker printers and materials, so that you get the best results instantly.

Optimized, professional materials
The Ultimaker 3 leverages our full material portfolio – including water-soluble PVA and Breakaway via dual extrusion. These materials are specially formulated and tested by our engineers to create industrial-grade prints.

Here to help you succeed
The Ultimaker 3 comes with a one-year warranty and lifetime support from our trained and certified global network of partners. And if you have a question, our online resources and community are there for you 24/7.

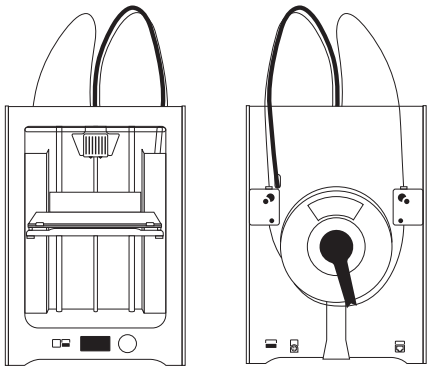
Ultimaker

Ultimaker 3 specifications

Printer and printing properties	Technology	Fused filament fabrication (FFF)
	Print head	Dual extrusion print head with an auto-nozzle lifting system and swappable print cores
	Build volume	XYZ: 215 x 215 x 200 mm (left or right nozzle only) XYZ: 197 x 215 x 200 mm (dual extrusion)
	Filament diameter	2.85 mm
	Layer resolution	0.25 mm nozzle: 150 - 60 micron 0.4 mm nozzle: 200 - 20 micron 0.8 mm nozzle: 600 - 20 micron
	XYZ resolution	12.5, 12.5, 5 micron
	Print head travel speed	30 - 300 mm/s
	Build speed	Up to 24 mm^3/s
	Build plate	Heated glass build plate
	Build plate temperature	20 - 100 °C
	Build plate leveling	Active leveling
	Build plate heat time	< 4 min (from 20 to 60 °C)
	Supported materials	Optimized for: PLA, Tough PLA, ABS, Nylon, CPE, CPE+, PC, PP, TPU 95A, PVA, Breakaway (Also supports third-party materials)
	Nozzle diameter	0.25 mm, 0.4 mm, 0.8 mm
	Nozzle temperature	180 - 260 °C
	Nozzle heat up time	< 2 min
	Build plate heat up time	< 4 min (from 20 to 60 °C)
	Operating sound	50 dBA
	Connectivity	Wi-Fi, LAN, USB port
	Language support	English, Dutch, French, German, Italian, Portuguese, Russian, Spanish, Simplified Chinese, Turkish, Polish
	Monitoring	Live camera (view from desktop or Ultimaker app)
Physical dimensions	Dimensions	342 x 380 x 389 mm 342 x 505 x 588 mm (with Bowden tube and spool holder)
	Net weight	10.6 kg
	Shipping weight	15.5 kg
	Shipping box dimensions	400 x 395 x 590 mm
Power	Required input	100 - 240 VAC / 50 - 60 Hz
	Maximum output	221 W
Ambient conditions	Operating ambient temperature	15 - 32 °C, 10 - 90% RH non-condensing
	Non-operating temperature	0 - 32 °C
Software	Supplied software	Ultimaker Cura, our free print preparation software Cura Connect, our free printer management solution
	Supported OS	MacOS, Windows, and Linux
	Plugin integration	SolidWorks, Siemens NX, Autodesk Inventor
	File types	Ultimaker Cura: STL, OBJ, X3D, 3MF, BMP, GIF, JPG, PNG Printable formats: G, GCODE, GCODE.gz, UFP
Warranty and service	Warranty period	12 months
	Technical support	Lifetime support from Ultimaker's global network of certified service partners

Ultimaker 3 Extended

Specification sheet



Achieve complex geometries and intricate designs on a larger scale with the award-winning Ultimaker 3 Extended and its market-leading dual extrusion system. And when combined with our fully integrated system of hardware, software, and materials, your entire professional 3D printing workflow is covered.

Design freedom with reliable dual extrusion
Discover a new level of design complexity with the Ultimaker 3 Extended, using its reliable dual extrusion technology and water-soluble support. Print in a range of engineering and support materials for complete design freedom, with minimal post-processing.

Open and connected system
Connect the Ultimaker 3 Extended with multiple printers over Wi-Fi, while NFC technology automatically recognises the loaded material. But it's also an open system, so you can use third-party materials or integrate Ultimaker Cura with your existing software.

Market-leading software
Trusted by over 2 million users, Ultimaker Cura software prepares your 3D model for printing. Free to download, it features the optimal preconfigured settings for Ultimaker printers and materials, so that you get the best results instantly.

Optimized, professional materials
The Ultimaker 3 Extended leverages our full material portfolio – including water-soluble PVA and Breakaway via dual extrusion. These materials are specially formulated and tested by our engineers to create industrial-grade prints.

Here to help you succeed
The Ultimaker 3 Extended comes with a one-year warranty and lifetime support from our trained and certified global network of partners. And if you have a question, our online resources and community are there for you 24/7.

Ultimaker

Ultimaker 3 Extended specifications

Printer and printing properties	Technology	Fused filament fabrication (FFF)
	Print head	Dual extrusion print head with an auto-nozzle lifting system and swappable print cores
	Build volume	215 x 215 x 300 mm (left or right nozzle only) 197 x 215 x 300 mm (dual extrusion)
	Filament diameter	2.85 mm
	Layer resolution	0.25 mm nozzle: 150 - 60 micron 0.4 mm nozzle: 200 - 20 micron 0.8 mm nozzle: 600 - 20 micron
	XYZ resolution	12.5, 12.5, 5 micron
	Print head travel speed	30 - 300 mm/s
	Build speed	Up to 24 mm^3/s
	Build plate	Heated glass build plate
	Build plate temperature	20 - 100 °C
	Build plate leveling	Active leveling
	Build plate heat time	< 4 min (from 20 to 60 °C)
	Supported materials	Optimized for: PLA, Tough PLA, ABS, Nylon, CPE, CPE+, PC, PP, TPU 95A, PVA, Breakaway (Also supports third-party materials)
	Nozzle diameter	0.25 mm, 0.4 mm, 0.8 mm
	Nozzle temperature	180 - 260 °C
	Nozzle heat up time	< 2 min
	Build plate heat up time	< 4 min (from 20 to 60 °C)
	Operating sound	50 dBA
	Connectivity	Wi-Fi, LAN, USB port
	Language support	English, Dutch, French, German, Italian, Portuguese, Russian, Spanish, Simplified Chinese, Turkish, Polish
	Monitoring	Live camera (view from desktop or Ultimaker app)
Physical dimensions	Dimensions	342 x 380 x 489 mm 342 x 505 x 688 mm (with Bowden tube and spool holder)
	Net weight	11.3 kg
	Shipping weight	16.8 kg
	Shipping box dimensions	400 x 395 x 690 mm
Power	Required input	100 - 240 VAC / 50 - 60 Hz
	Maximum output	221 W
Ambient conditions	Operating ambient temperature	15 - 32 °C, 10 - 90% RH non-condensing
	Non-operating temperature	0 - 32 °C
Software	Supplied software	Ultimaker Cura, our free print preparation software Cura Connect, our free printer management solution
	Supported OS	MacOS, Windows, and Linux
	Plugin integration	SolidWorks, Siemens NX, Autodesk Inventor
	File types	Ultimaker Cura: STL, OBJ, X3D, 3MF, BMP, GIF, JPG, PNG Printable formats: G, GCODE, GCODE.gz, UFP
Warranty and service	Warranty period	12 months
	Technical support	Lifetime support from Ultimaker's global network of certified service partners