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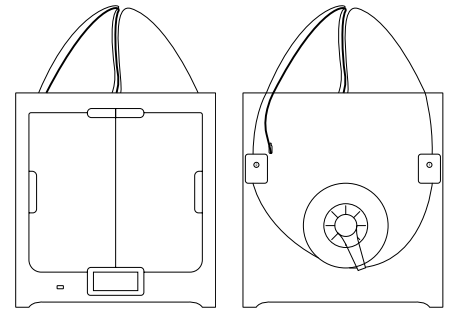
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Ultimaker S5

Specification sheet



The Ultimaker S5 not only delivers best-in-class technical specifications for a desktop 3D printer, but gives you the performance and peace of mind that comes with using the complete 3D printing solution trusted by hundreds of thousands of professionals worldwide.



Design freedom with reliable dual-extrusion

Achieve complex geometries and intricate designs with the Ultimaker S5's 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.



Leading software and materials

Ultimaker Cura software is preconfigured with optimized settings for Ultimaker printers and materials. Our expert software and materials engineers are always working together to create a seamless and hassle-free 3D printing experience.



Open and connected system

The Ultimaker S5's connectivity means you can connect multiple printers together 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.



Here to help you succeed

The Ultimaker S5 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 S5 specifications

Printer and printing properties	Technology	Fused deposition modeling (FDM)
	Print head	Dual-extrusion print head with an auto-nozzle lifting system and swappable print cores
	Build volume	XYZ: 330 x 240 x 300 mm (left or right nozzle, or 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 accuracy	6.9, 6.9, 2.5 micron
	Build speed	<24 mm ³ /s
	Build plate	Heated glass build plate, Heated aluminum build plate
	Build plate temperature	20 - 140 °C
	Build plate leveling	Active leveling
	Supported materials	Optimized for: PLA, Tough PLA, Nylon, ABS, CPE, CPE+, PC, TPU 95A, PP, PVA, Breakaway Also supports third-party materials
	Nozzle diameter	0.25 mm, 0.4 mm, 0.8 mm
	Nozzle temperature	180 - 280 °C
	Nozzle heat up time	<2 min
	Build plate heat up time	<4 min (from 20 to 60 °C)
	Operating sound	50 dBA
	Power rating	500 W
	Material recognition	Auto-recognition with NFC scanner
	Connectivity	Wi-Fi, LAN, USB port
	Display	4.7-inch (11.9 cm) color touchscreen
Language support	English, Dutch, French, German, Italian, Japanese, Korean, Portugese, Russian, Spanish, Simplified Chinese	
Monitoring	Live camera (view from desktop or app)	
Physical dimensions	Dimensions	495 x 457 x 520 mm
	Dimensions (with bowden tubes and spool holder)	495 x 585 x 780 mm
	Net weight	20.6 kg
	Shipping weight	29 kg
	Shipping box dimensions	650 x 600 x 700 mm
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
	File types	Ultimaker Cura: STL, OBJ, X3D, 3MF, BMP, GIF, JPG, PNG Printable formats: G, GCODE, GCODE.gz, UPF
Warranty and service	Warranty period	12 months
	Technical support	Lifetime support from Ultimaker's global network of certified service partners