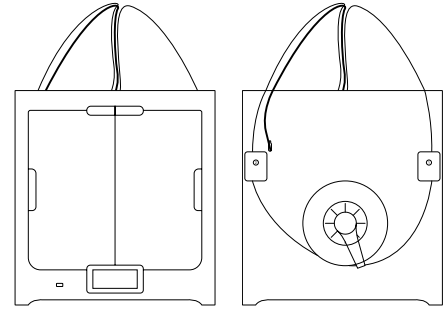


Ultimaker S5

Specification sheet

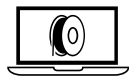


The Ultimaker S5 not only delivers best-in-class technical specifications for a desktop 3D printer, but gives you the performance and peace of mind that comes with using the complete 3D printing solution trusted by hundreds of thousands of professionals worldwide.



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 |