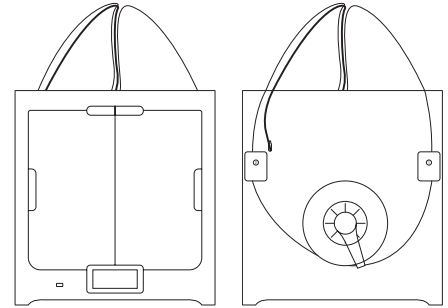


# Ultimaker S5

# Specification sheet

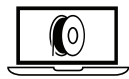


The Ultimaker S5 not only delivers best-in-class technical specifications for a desktop 3D printer, but gives you the performance and peace of mind that comes with using the complete 3D printing solution trusted by hundreds of thousands of professionals worldwide.



## **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

|  |  |   |
|--|--|---|
| <b>Printer and printing properties</b> | 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<br>(left or right nozzle, or dual extrusion)  |
|  | Filament diameter  | 2.85 mm   |
|  | Layer resolution   | 0.25 mm nozzle: 150 - 60 micron<br>0.4 mm nozzle: 200 - 20 micron<br>0.8 mm nozzle: 600 - 20 micron                             |
|  | XYZ accuracy   | 6.9, 6.9, 2.5 micron  |
|  | Build speed  | <24 mm <sup>3</sup> /s  |
|  | Build plate  | Heated glass build plate,<br>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+,<br>PC, TPU 95A, PP, PVA, Breakaway<br>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,<br>Portuguese, Russian, Spanish, Simplified Chinese |   |
| Monitoring                             | Live camera (view from desktop or app)   |   |
| <b>Physical dimensions</b>             | 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  |
| <b>Ambient conditions</b>              | Operating ambient temperature  | 15 - 32 °C, 10 - 90% RH non-condensing  |
|  | Non-operating temperature  | 0 - 32 °C   |
| <b>Software</b>                        | Supplied software  | Ultimaker Cura, our free print preparation software<br>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<br>Printable formats: G, GCODE, GCODE.gz, UPF                            |
| <b>Warranty and service</b>            | Warranty period  | 12 months   |
|  | Technical support  | Lifetime support from Ultimaker's global network of certified service partners  |