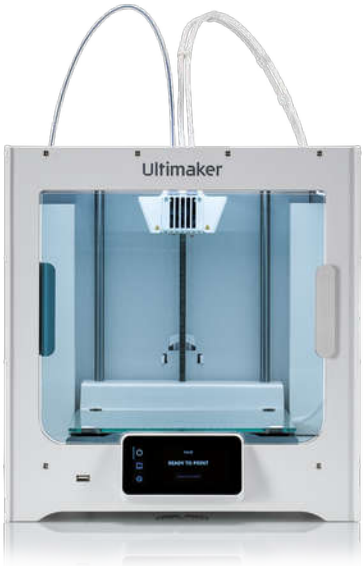



# Ultimaker S3

## Product data sheet

### Disruptive 3D printing starts here

The Ultimaker S3 is a dual extrusion 3D printer that delivers high-quality, composite-ready performance – in a smaller footprint. Packed with our latest technology, the Ultimaker S3 is as easy to use as it is powerful, offering the most cost-effective way for disruptive businesses to adopt in-house 3D printing.

### A more reliable 3D printing experience

Active bed leveling ensures great adhesion for every print, while sensors constantly monitor material flow while printing. Combine with rigorously tested print profiles in Ultimaker Cura software, and you don't just have a 3D printer – it's a complete production system to depend on.

### Key features

- ✓ **Network connectivity:** Print via Wi-Fi, LAN, cloud, or with USB
- ✓ **Touch screen:** Effortless operation via an award-winning user interface
- ✓ **Advanced active leveling:** Reliable first-layer adhesion, enables unattended use
- ✓ **Front enclosure:** Improved printing environment for better print results
- ✓ **Flow sensor:** Stay informed when filament runs out to increase print success
- ✓ **Easy setup and monitoring:** With NFC material recognition and internal camera
- ✓ **Composite materials compatible:** Print parts with high strength and unique properties

### Why choose Ultimaker

**3D printers that simply work**
Our award-winning 3D printers are robust, reliable, and easy to use. They deliver quality parts time and again. Certified to run 24/7, they allow you to achieve the results you need more quickly and easily.

**Software ready for Industry 4.0**
Trusted by millions of users across 14 languages, Ultimaker Cura integrates with any workflow through Ultimaker Marketplace plugins. Then scale production and digital distribution with Ultimaker Cloud.

**Material choice like never before**
Ultimaker offers the widest material choice on the market. Through our Material Alliance, choose the perfect filament for your application – from advanced polymers to carbon fiber composites.

**Support dedicated to your success**
Wherever you are in the world, Ultimaker support is close by. Our global network of service partners offer professional installation, training, and maintenance in your language and time zone.

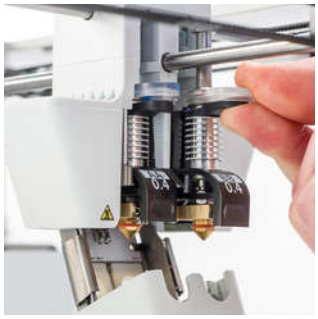
**Request a quote today at** ultimaker.com/quote/request

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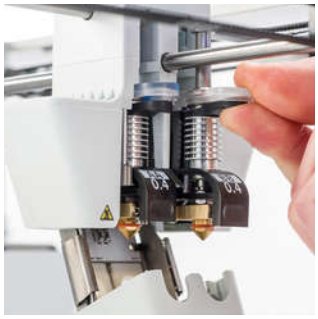
## Ultimaker S3 specifications

| | | |
|---|---|---|
| **Printer and printing properties** | Technology | Fused filament fabrication (FFF) |
| | Print head | Dual-extrusion print head with a unique auto-nozzle lifting system and swappable print cores |
| | Build volume (XYZ) | 230 x 190 x 200 mm (9 x 7.4 x 7.9 in) |
| | Layer resolution | 0.25 mm nozzle: 150 - 60 micron<br>0.4 mm nozzle: 200 - 20 micron<br>0.6 mm nozzle: 300 - 20 micron<br>0.8 mm nozzle: 600 - 20 micron |
| | XYZ resolution | 6.9, 6.9, 2.5 micron |
| | Build speed | < 24 $mm^3/s$ |
| | Build plate | Heated glass build plate (20 - 140 °C) |
| | Nozzle diameter | 0.4 mm (included)<br>0.25 mm, 0.6 mm, 0.8 mm (sold seperately) |
| | Operating sound | < 50 dBA |
| | Connectivity | Wi-Fi, LAN, USB port |
| **Physical dimensions** | Dimensions | 394 x 489 x 637 mm (15.5 x 19.3 x 25.1 in)<br>(inc. Bowden tubes and spool holder) |
| | Net weight | 14.4 kg (31.7 lbs) |
| **Software** | Supplied software | Ultimaker Cura, our free print preparation software<br>Ultimaker Connect, our free printer management software<br>Ultimaker Cloud, enables remote printing |
| | Supported OS | MacOS, Windows, and Linux |
| **Warranty** | Warranty period | 12 months |

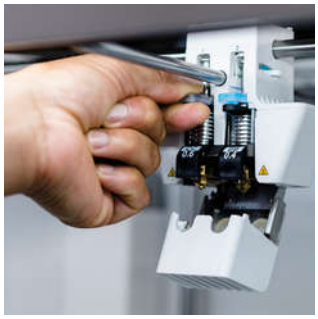
## Compatible accessories



**Print core AA**
0.25, 0.4, 0.8 mm
Quick-swap nozzles minimize downtime



**Print core BB**
0.4, 0.8 mm
Specially designed for printing soluble support material



**Print core CC**
0.6 mm
Ruby-tipped for printing abrasive composites



**Nozzle covers**
x10
Replacement covers keep your print head in top condition

## Compatible materials

Unlock a wide range of applications with complete material choice. Use Ultimaker materials, any third-party filament, or access material profiles from leading brands. Choose from these materials and more.

**Easy to print and visual quality**
- Ultimaker PLA
- Ultimaker Tough PLA

**Mechanical strength**
- Ultimaker ABS
- Ultimaker PC
- Ultimaker CPE

**Wear resistance**
- Ultimaker Nylon
- Ultimaker PP
- Igus Iglidur I180-PF

**Heat resistance**
- Ultimaker CPE+
- DSM Arnitel ID 2060 HT

**Flexibility**
- Ultimaker TPU 95A
- DuPont™ Hytrel® 3D4100FL

**Reinforced composites**
- Owens Corning XSTRAND™ GF30-PA6
- DSM Novamid® ID1030 CF10

**Support**
- Ultimaker PVA
- Ultimaker Breakaway

bsi. ISO 9001 Quality Management FM 686003 ISO 14001 Environmental Management EMS 692523

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Specifications subject to change. EN 08/2019 v1.01