

Ultimaker S3

Product data sheet

3D printing performance you can rely on

The Ultimaker S3 features next-generation reliability. Its advanced active leveling, stiffer build platform, heated build plate, and more accurate stepper drivers result in the highest print quality of a machine in this form factor. And dual filament flow sensors notify you if you run out of material.

In-house production made easy

The Ultimaker S3 was designed so that anyone can achieve high-quality results after a 30-minute introduction. Its award-winning touch interface, advanced active leveling, predefined print settings and Ultimaker Platform access, facilitate 3D printing as part of any workflow.

- ✓ **Low cost of ownership:** Affordable entry to professional 3D printing, making ROI easy and fast to achieve
- ✓ **Wide material choice:** Use almost any material with our open filament system, including composites (requires print core CC)
- ✓ **Hassle-free experience:** Seamless integration with the Ultimaker platform of software, materials and printers
- ✓ **Touchscreen:** Effortless operation via an award-winning user interface
- ✓ **Advanced active leveling:** Reliable first-layer adhesion, enables unattended use
- ✓ **Flow sensor:** Stay informed when filament runs out to increase print success
- ✓ **Front enclosure:** Improved printing environment for better print results
- ✓ **Easy setup:** Start 3D printing in 30 minutes
- ✓ **Network connectivity:** Print via Wi-Fi, LAN, cloud, or USB
- ✓ **Ultimaker Essentials NEW:** Unending access to security-assessed software – with remote printing, user management, and e-learning

The Ultimaker platform



3D printers that simply work

Our award-winning 3D printers are robust, reliable, and easy to use. They deliver quality parts time and again. Designed and tested 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 Digital Factory.



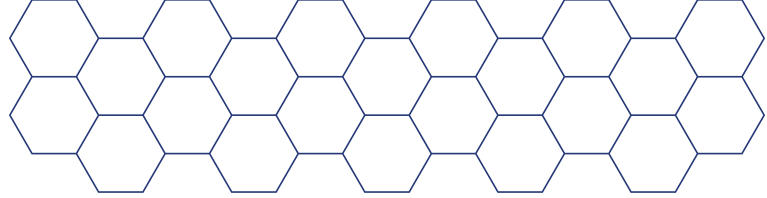
Material choice like never before

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

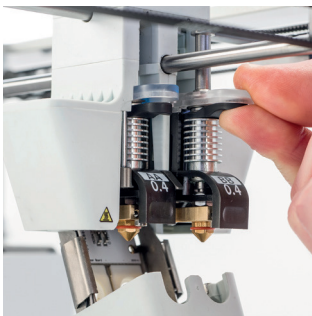
Wherever you are in the world, Ultimaker support is close by. Our global network of service partners offer professional installation, training, and maintenance in your language and time zone.



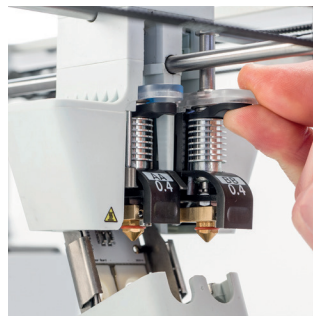
Ultimaker S3 specifications

| | | |
|--|------------------------|--|
| 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 0.4 mm nozzle: 200 - 20 micron 0.6 mm nozzle: 300 - 20 micron 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) 0.25 mm, 0.6 mm, 0.8 mm (sold separately) |
| | 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) (inc. Bowden tubes and spool holder) |
| | Net weight | 14.4 kg (31.7 lbs) |
| Software | Free supplied software | Ultimaker Personal (for individuals - includes Ultimaker Cura) Ultimaker Essentials (for organizations - includes Ultimaker Cura Enterprise) Find our full range of enterprise plans at ultimaker.com/software |
| | Supported OS | MacOS, Windows, and Linux |
| Warranty | Warranty period | 12 months |

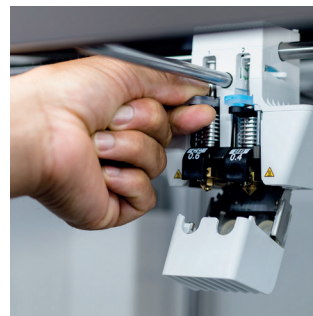
Compatible accessories



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

- Ultimaker PLA
- Ultimaker Tough PLA
- Ultimaker PETG

Mechanical strength

- Ultimaker ABS
- Ultimaker PC
- Ultimaker CPE

Wear resistance

- Ultimaker Nylon
- Ultimaker PP
- Iigus 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



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Ultimaker