

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.



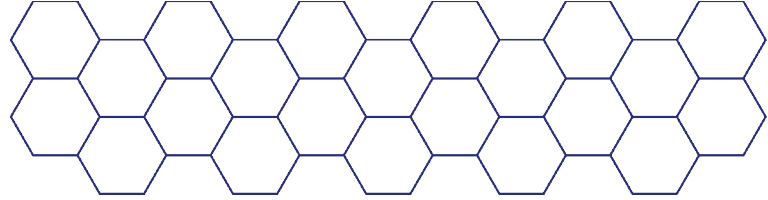
Material choice like never before

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

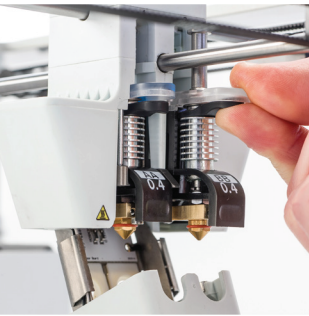
Wherever you are in the world, Ultimaker support is close by. Our global network of service partners offer professional installation, training, and maintenance in your language and time zone.



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 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) (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

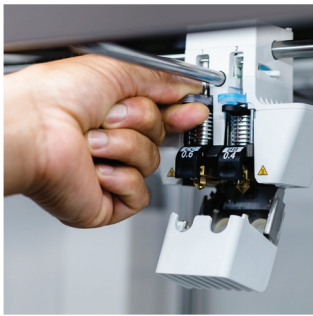
Compatible accessories



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 <ul style="list-style-type: none">• Ultimaker PLA• Ultimaker Tough PLA• Ultimaker PETG	Mechanical strength <ul style="list-style-type: none">• Ultimaker ABS• Ultimaker PC• Ultimaker CPE	Wear resistance <ul style="list-style-type: none">• Ultimaker Nylon• Ultimaker PP• Igus Iglidur I180-PF	Heat resistance <ul style="list-style-type: none">• Ultimaker CPE+• DSM Arnitel ID 2060 HT	Flexibility <ul style="list-style-type: none">• Ultimaker TPU 95A• DuPont™ Hytrel® 3D4100FL
Reinforced composites <ul style="list-style-type: none">• Owens Corning XSTRAND™ GF30-PA6• DSM Novamid® ID1030 CF10	Support <ul style="list-style-type: none">• Ultimaker PVA• Ultimaker Breakaway			