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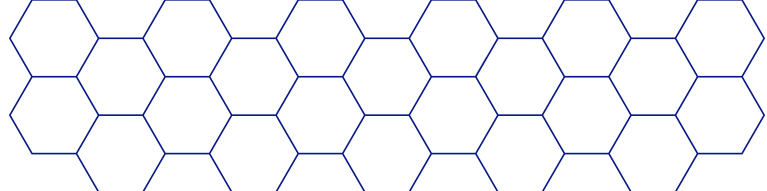
Material choice like never before
Ultimaker offers the widest material choice on the market. Through our Material Alliance, choose the perfect filament for your application – from advanced polymers to carbon fiber composites.

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.
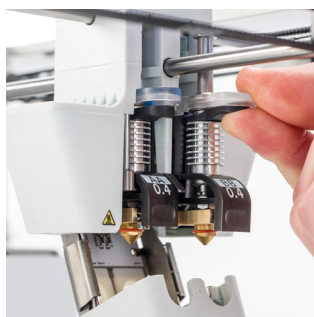
Ultimaker

Ultimaker S3 specifications

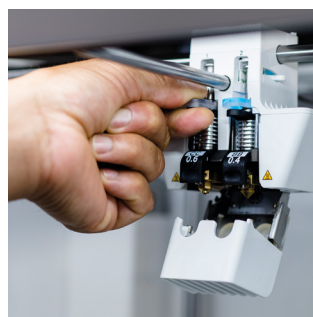| Printer and printing properties		
	Technology	Fused filament fabrication (FFF)
	Print head	Dual-extrusion print head with a unique auto-nozzle lifting system and swappable print cores
	Build volume (XYZ)	230 x 190 x 200 mm (9 x 7.4 x 7.9 in)
	Layer resolution	0.25 mm nozzle: 150 - 60 micron 0.4 mm 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 mm³/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	Supplied software	Ultimaker Cura, our free print preparation software Ultimaker Connect, our free printer management software 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	Mechanical strength	Wear resistance	Heat resistance	Flexibility
• Ultimaker PLA • Ultimaker Tough PLA	• Ultimaker ABS • Ultimaker PC • Ultimaker CPE	• Ultimaker Nylon • Ultimaker PP • Igus Iglidur I180-PF	• Ultimaker CPE+ • DSM Arnitel ID 2060 HT	• Ultimaker TPU 95A • DuPont™ Hytrel® 3D4100FL

Reinforced composites	Support
• Owens Corning XSTRAND™ GF30-PA6 • DSM Novamid® ID1030 CF10	• Ultimaker PVA • Ultimaker Breakaway

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

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