Ultimaker 3
Product data sheet

Reliable dual extrusion

Using dual extrusion technology, the Ultimaker 3 allows you to print with two colors or combine build and support materials for creating complex, detailed prints. Quickly swap out specially designed print cores for build materials and water-soluble materials to achieve higher uptime and easier maintenance.

Open and connected system

With a live camera and Wi-Fi connectivity for control over remote 3D printing tasks, the Ultimaker 3 is fully optimized with tools like Ultimaker Connect that help you streamline your workflow. Our open filament system ensures you are never locked in, while our online Ultimaker Marketplace gives you free access to material profiles from leading brands.

Key features

- ✓ **Dual extrusion:** Complete design freedom with water-soluble supports
- ✓ **Network connectivity:** Print via Wi-Fi, LAN, cloud, or with USB
- ✓ **Print cores:** Interchangeable for higher uptime and material combinations
- ✓ **Camera:** Monitor your print's progress remotely
- ✓ **NFC:** Automatic detection which material and color is loaded

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 heat, chemical, or wear resistance to flexibility.
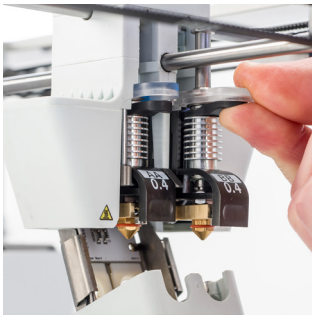
Support dedicated to your success
Wherever you are in the world, Ultimaker support is close by. Our global network of service partners offer professional installation, training, and maintenance in your language and time zone.
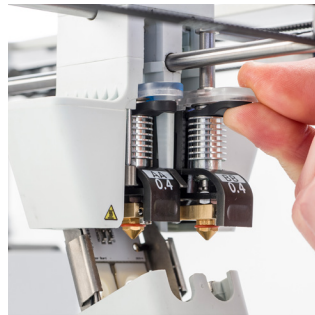
Request a quote today at ultimaker.com/quote/request

Ultimaker

Ultimaker 3 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)	Single extrusion: 215 x 215 x 200 mm (8.5 x 8.5 x 7.9 in) Dual extrusion: 197 x 215 x 200 mm (7.8 x 8.5 x 7.9 in)
	Layer resolution	0.25 mm nozzle: 150 - 60 micron 0.4 mm nozzle: 200 - 20 micron 0.8 mm nozzle: 600 - 20 micron
	XYZ resolution	12.5, 12.5, 2.5 micron
	Build speed	< 24 mm^3/s
	Build plate	Heated glass build plate (20 - 100 °C)
	Nozzle diameter	0.4 mm (included) 0.25 mm, 0.8 mm (sold separately)
	Operating sound	< 50 dBA
	Connectivity	Wi-Fi, LAN, USB port
Physical dimensions	Dimensions (with Bowden tubes and spool holder)	342 x 505 x 588 mm (13.5 x 19.9 x 23.1 in)
	Net weight	10.6 kg (23.4 lbs)
Software	Supplied software	Ultimaker Cura, our free print preparation software Ultimaker Connect, our free printer management solution Ultimaker Cloud, enables remote printing
	Supported OS	Windows, MacOS, 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

Advanced 3D printing kit

Add a front enclosure, extra build
plate and adhesion sheets

Adhesion sheets
x25
For effective build plate adhesion

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

Support
• Ultimaker PVA
• Ultimaker Breakaway

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

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