

Ultimaker S7

Product data sheet

Best-in-class reliability

The Ultimaker S7 can be trusted to do its job, giving you the time you need to do yours. The inductive sensor-enabled bed leveling of the S7 ensures a perfect first layer and the integrated air manager maintains the build volume at an optimally regulated temperature. Additionally, run-out and print head sensors will pause your print and notify you if you run out of filament or if there is a clog that causes your print head to flood.

Ultimate connectivity

The Ultimaker S7 is your gateway to the entire Ultimaker platform. Access all the tools you need to start 3D printing – Manage and monitor your prints securely with the Ultimaker Digital Factory, improve your 3D printing knowledge with e-learning courses on the Ultimaker Academy, and choose from hundreds of materials and plugins using the Ultimaker Marketplace.

- ✓ **Easy setup and monitoring:** Start printing quickly with a simple first-time user experience. Including NFC material recognition and a high-resolution internal camera
- ✓ **Access to the Ultimaker platform:** Seamless integration with the extensive Ultimaker platform. Including software, materials, and printers
- ✓ **Environmental control:** The integrated air manager filters out up to 95% of UFPs while also keeping the build chamber temperature carefully regulated
- ✓ **Advanced active leveling:** Advanced active leveling: Reliable first-layer adhesion, enables unattended use without manual leveling
- ✓ **Wide material choice:** Use almost any material with our open filament system, including composites metal (requires appropriate print core)
- ✓ **Large build volume:** Scale up with bigger parts or batch production
- ✓ **Network connectivity:** Print via Wi-Fi, LAN, cloud, or US
- ✓ **Ultimaker Essentials:** Access to security-assessed software – with remote printing, user management, and e-learning
- ✓ **Flexible build plate:** The PEI-coated build plate makes for and reliable print adhesion and removal. A sensor also assures your build plate will always be in place before printing

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.

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

Ultimaker

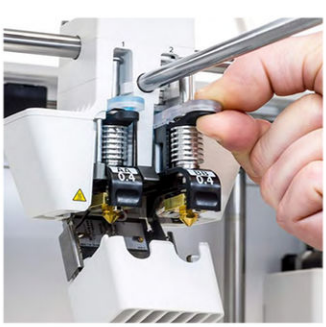
Ultimaker S7 specifications

Printer and printing properties	Technology	Fused filament fabrication (FFF)
	Print head	Dual extrusion print head with auto-nozzle lifting system and swappable print cores
	Build volume (XYZ)	330 x 240 x 300 mm (13 x 9.4 x 11.8 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	PEI coated flexible build plate (20 - 140 °C)
	Air manager	EPA filter - Independently tested according to UL2904 (Standard Method for Testing and Assessing Particle and Chemical Emissions from 3D Printers) with Ultimaker materials and corresponding Cura print profiles.
	Nozzle diameter	0.4 mm (included) 0.25 mm, 0.6 mm, 0.8 mm (sold separately)
	Operating sound	< 50 dBA
	Connectivity	Wi-Fi (2.4GHz + 5GHz), LAN, USB port
Physical dimensions	Dimensions (with spool holder)	495 x 585 x 780 mm (19.5 x 23 x 30.7 in)
	Net weight	29.1 kg (64.2 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



Material Station
Simplify and automate material handling



Print cores AA, BB, CC, and DD
Quick-swap nozzles for support materials, abrasive materials, and metal printing



Metal Expansion Kit
Simple and affordable metal printing with an all-in-one kit



PVA Removal Station
Remove water-soluble PVA support material up to 4X faster

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
- Igus iglidur® I150

Heat resistance
- Ultimaker CPE+
- Lehvoss LUVOCOM 3F PAHT® 9825 NT
- Lehvoss LUVOCOM 3F PAHT 9826 NT

Flexibility
- Ultimaker TPU 95A
- Estane® 3D TPU F94A

EDS safe
- Kimya ABS ESD
- Jabil PET G 0800 ESD

Flame retardant
- Ensinger PC FR Natural
- Covestro Addigy® F1030 FR

Reinforced composites
- BASF Forward AM XSTRAND™ GF30-PA6
- Covestro Addigy® F1030 FR

Support
- Ultimaker PVA
- Ultimaker Breakaway
- AquaSys ® 120

Metal printing
- BASF Ultrafuse ® 17-4 PH
- BASF Ultrafuse ® 316 L

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

DESIGN AWARD 2019

All3DP BEST DUAL EXTRUDER 3D PRINTER Fall 2019

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Specifications subject to change. EN 09/2022 v1.00