

# Ultimaker S5

## Product data sheet

### Enhanced reliability

Trust the Ultimaker S5 to do its job while you do yours. Its advanced active bed leveling ensures a perfect first layer, glass doors control the airflow, and dual filament flow sensors will pause your print and notify you if you run out of material.

### Open and connected system

With the Ultimaker S5, you are not only getting a market-leading 3D printer – you gain access to the Ultimaker platform. Access all the tools you need to start 3D printing – increased security, workflow management, and knowledge. Ultimaker brings it to your door, with features including a limited Digital Library for easy part storage and sharing, an IT knowledge base, and e-learning courses.

- ✓ **Hassle-free experience:** Seamless integration with the Ultimaker platform of software, materials, and printers
- ✓ **High build volume to size ratio:** Scale up with bigger parts or batch production
- ✓ **Touchscreen control:** Effortless operation via an award-winning user interface
- ✓ **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 (requires print core CC)
- ✓ **Easy setup and monitoring:** With NFC material recognition and internal camera
- ✓ **Network connectivity:** Print via Wi-Fi, LAN, cloud, or USB
- ✓ **Minimal training required:** Anyone can print after a 30-minute introduction
- ✓ **Ultimaker Essentials NEW** : Unending access to security-assessed software – with remote printing, user management, and e-learning

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### 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.



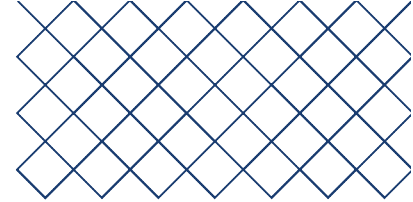
#### Material choice like never before

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 S5 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)	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 <sup>3</sup> /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 (with Bowden tubes and spool holder)	495 x 585 x 780 mm (19.5 x 23 x 30.7 in)
	Net weight	20.6 kg (45.4 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 <a href="https://ultimaker.com/software">ultimaker.com/software</a>
	Supported OS	MacOS, Windows, and Linux
Warranty	Warranty period	12 months

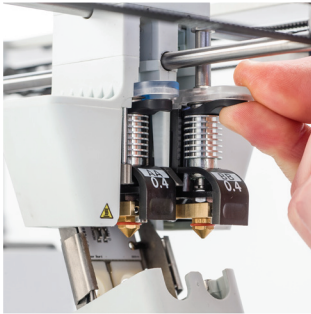
## Compatible accessories



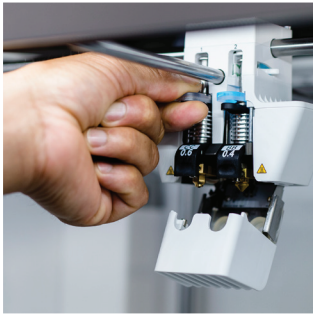
**Air Manager**  
EPA filter removes up to 95% of UFPs



**Material Station**  
Simplify and automate material handling



**Print cores AA and BB**  
Quick-swap nozzles for build and water-soluble support materials



**Print core CC**  
Ruby-tipped for printing abrasive composites

## 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.

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