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.
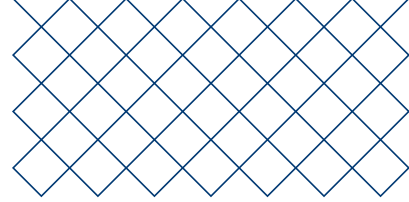
Material choice like never before

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.
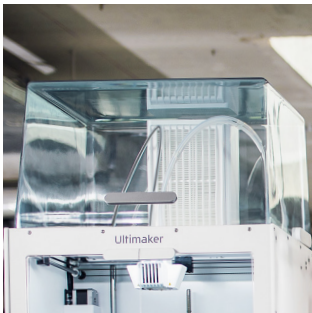
Support dedicated to your success

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.

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

Ultimaker

Ultimaker S5 specifications

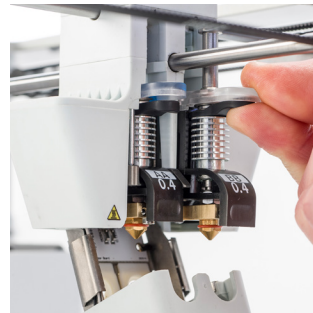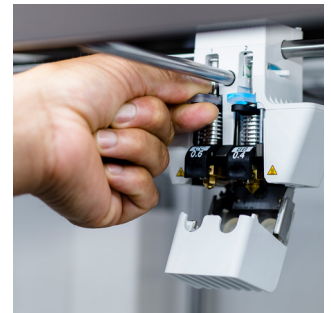|		
Printer and printing properties	Technology	Fused filament fabrication (FFF)
	Print head	Dual extrusion print head with a unique auto-nozzle lifting system and swappable print cores
	Build volume (XYZ)	330 x 240 x 300 mm (13 x 9.4 x 11.8 in)
	Layer resolution	0.25 mm nozzle: 150 - 60 micron 0.4 mm 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 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 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 ultimaker.com/software
	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.

Easy to print	Mechanical strength	Wear resistance	Heat resistance	Flexibility
• Ultimaker PLA • Ultimaker Tough PLA • Ultimaker PETG	• 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

Ultimaker

laserlines
01295 672500
3dworld@laserlines.co.uk
www.3dprinting.co.uk

Ultimaker S5 Pro Bundle
Product data sheet

Industrial production power on your desktop

Our unique production solution gives busy engineers and designers the freedom to focus all day on doing their best work. Transform your office 3D printing workflow with automated material handling, air filtration, and filament humidity control. The Ultimaker S5 Pro Bundle boosts productivity, flexibility, and confidence to unlock demanding applications with an extended range of materials.

Material handling without the hassle

Spend less time configuring your 3D printer and more time innovating. The Ultimaker S5 Pro Bundle delivers the market's widest range of materials in conditions perfect for 3D printing. No worries about first-layer adhesion, temperatures, or filtering ultrafine particles (UFPs) – every setting is predefined and every print job monitored via our award-winning software tools.

- ✓ **Productivity:** Anytime 3D printing means all-the-time productivity
- ✓ **Extended materials range:** 6 material bays. Over 28 million material combinations. More materials, less hassle
- ✓ **Continuous printing:** Auto-switching materials for 24/7 production with reduced operator time
- ✓ **Safer work environment:** Air Manager removes up to 95% of ultrafine particles
- ✓ **Seamless software integration:** Easy end-to-end management through the Ultimaker platform
- ✓ **Low integration time:** Out of the box setup. Out of this world productivity
- ✓ **Large enclosed build chamber:** Safely print bigger parts at consistent temperatures for better results
- ✓ **Award-winning interface:** One touchscreen controls all integrated components
- ✓ **Zero-maintenance humidity control:** All spools stored at < 40% relative humidity
- ✓ **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

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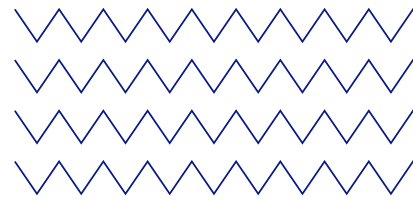
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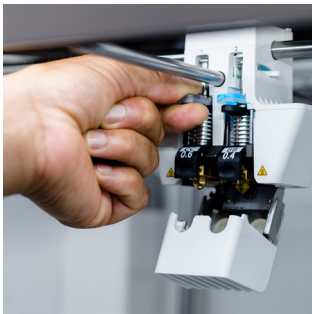**Request a quote today at** ultimaker.com/quote/request
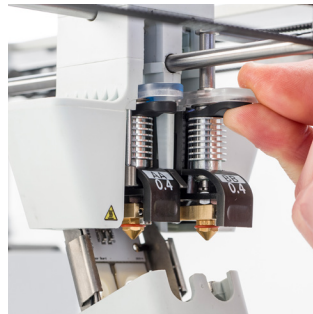
Ultimaker

Ultimaker S5 Pro Bundle specifications

Printer and printing properties	Print head	Dual-extrusion print head with a unique auto-nozzle lifting system and swappable print cores
	Build volume	330 x 240 x 300 mm (13 x 9.4 x 11.8 in)
	Nozzle diameter	0.4 mm (included) 0.25 mm, 0.6 mm, 0.8 mm (sold seperately)
	Build plate	Heated glass build plate (20 - 140 °C)
	Feeder type	Dual-geared, abrasion-resistant
	Spool bays	6 with NFC recognition
	Compatible spools	Width: 50 - 70 mm (2 - 2.7 in) Diameter: 197 - 203 mm (7.8 - 8 in) Core diameter: > 98 mm (3.8 in)
	Filter technology	Replaceable EPA filter
	Filter efficiency	Up to 95% of ultrafine particles
	Operating sound	< 51 dBA
	Connectivity	Wi-Fi, LAN, USB port
Physical dimensions	Dimensions	495 x 500 x 1197 mm (19.5 x 19.5 x 47.1 inches)
	Net weight	41.9 kg (92.4 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 ultimaker.com/software
Warranty	Warranty period	12 months

Compatible accessories

Print core CC
0.6 mm
Ruby-tipped for printing abrasive glass and carbon fiber composites

Print core AA and BB
0.25, 0.4, 0.8 mm
Quick-swap nozzles for build and water-soluble support materials

Nozzle covers
x10
Keep your print head clean – especially when printing composites

Cleaning filament
x10
Ideal for keeping your Ultimaker print cores in optimal condition

Compatible materials

Unlock a wide range of applications with complete material choice. Use Ultimaker materials, any 2.85 mm third-party filament, or access material profiles from leading brands. Choose from these materials and more.

Easy to print
• Ultimaker PETG
• Ultimaker PLA
• Ultimaker Tough PLA

Mechanical strength
• Ultimaker ABS
• Clariant PLA-HI-GF10

High stiffness
• Ultimaker PC
• BASF PET CF15

Wear resistance
• Ultimaker Nylon
• Ultimaker PP
• Igus Iglidur® I180-PF

Heat resistance
• Ultimaker CPE+
• DSM Arnitel® ID 2060 HT

Chemical resistance
• Ultimaker CPE
• Arkema FluorX™ Filament

Flexibility
• Ultimaker TPU 95A
• DSM Arnitel® ID 2045

Reinforced composites
• Owens Corning XSTRAND™ GF30-PA6
• Lehvoss LUVOCOM® 3F PAHT CF 9742 BK

ESD safe
• Clariant ESD safe PET-G
• Kimya ABS ESD Natural

Support
• Ultimaker PVA
• Ultimaker Breakaway

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