

Ultimaker S5 Material Station

Product data sheet

Productivity to power your business

Seamlessly integrating with the Ultimaker S5, the Material Station redefines material handling – to unlock truly 24/7 production. Load up to six material spools inside the humidity-controlled chamber and smart features take care of the rest – composite-ready feeder wheels, filament flow sensors, and automatic switching when a material runs out. Now you can achieve increased productivity and higher-quality production.

Simplify your 3D printing workflow

We've been making 3D printing easier since 2011 – and this is our biggest step yet. Front-load materials in seconds, configure to your needs, and stop worrying about material storage conditions. The Ultimaker S5 Material Station is also fully integrated into our software tools, so you stay informed and 100% focused on doing your best work.

Key features

- ✓ **Fast and easy loading:** Front-facing bay for up to six materials reduces loading time to a few seconds
- ✓ **Uninterrupted printing:** Sensors detect when one material spool ends and automatically loads the next
- ✓ **Humidity control:** Intelligent atmospheric management keeps relative humidity below 40%
- ✓ **Easy setup and monitoring:** NFC material auto-recognition and seamless integration with Ultimaker software
- ✓ **Composite materials compatible:** Print parts with high strength and unique properties
- ✓ **Limitless configurations:** Keep your most-used materials ready to print when you need – Ultimaker and third-party filaments

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.

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

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Ultimaker S5 Material Station specifications

Properties	Filament diameter	2.85 mm
	Material spool dimensions	Width: 50 - 70 mm (2 - 2.7 in) Diameter: 197 - 203 mm (7.8 – 8 in) Core diameter: > 98 mm (3.8 in)
	Material capacity	6 spools
	Material recognition	Auto-recognition enabled with NFC scanner
	Feeder type	Dual-geared, abrasion-resistant
	Data connection	UMB connection (included)
	Power input	85 - 264VAC, max. 125 W
	Power output	Max. 10A (for Ultimaker S5)
	Compatible 3D printers	Ultimaker S5
	Compatible materials	Optimized for Ultimaker PLA, Tough PLA, ABS, Nylon, CPE, CPE+, PC, PP, TPU 95A, PVA, Breakaway (Also supports third-party materials)
Physical dimensions	Dimensions	491 x 438 x 400 mm (19.3 x 17.2 x 15.7 in)
	Net weight	17.7 kg (39 lbs)
Software	Supplied software	Ultimaker Cura, our free print preparation software Ultimaker Connect, our free printer management solution Ultimaker Cloud, enables remote printing
Warranty	Warranty period	12 months

Compatible products



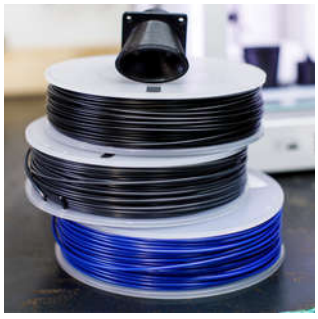
Ultimaker S5

Ultimaker S5 3D printer is required for use



S5 Air Manager

EPA filter removes up to 95% of UFPs



Ultimaker materials

Load any of the full Ultimaker material range



Third-party materials

Use any other material, including 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 and visual quality
- Ultimaker PLA
- Ultimaker Tough PLA

Mechanical strength
- Ultimaker ABS
- Ultimaker PC
- Ultimaker CPE

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

Heat resistance
- Ultimaker CPE+
- DSM Arnitel ID 2060 HT

Flexibility
- Ultimaker TPU 95A
- DuPont™ Hytrel® 3D4100FL

Reinforced composites
- Owens Corning XSTRAND™ GF30-PA6
- DSM Novamid® ID1030 CF10

Support
- Ultimaker PVA
- Ultimaker Breakaway

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

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Specifications subject to change. EN 08/2019 v1.01