

# 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.



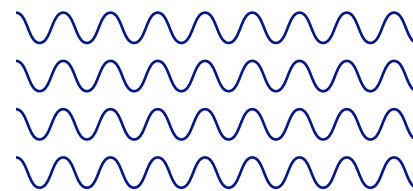
#### Material choice like never before

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

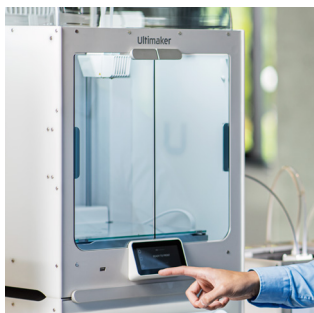
Wherever you are in the world, Ultimaker support is close by. Our global network of service partners offer professional installation, training, and maintenance in your language and time zone.



## Ultimaker S5 Material Station specifications

|                            |                           |                                                                                                                                      |
|----------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Properties</b>          | Filament diameter         | 2.85 mm                                                                                                                              |
|                            | Material spool dimensions | Width: 50 - 70 mm (2 - 2.7 in)<br>Diameter: 197 - 203 mm (7.8 - 8 in)<br>Core diameter: > 98 mm (3.8 in)                             |
|                            | Material capacity         | 6 spools                                                                                                                             |
|                            | Material recognition      | Auto-recognition enabled with NFC scanner                                                                                            |
|                            | Feeder type               | Dual-gear, 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) |
| <b>Physical dimensions</b> | Dimensions                | 491 x 438 x 400 mm (19.3 x 17.2 x 15.7 in)                                                                                           |
|                            | Net weight                | 17.7 kg (39 lbs)                                                                                                                     |
|                            | <b>Software</b>           | Supplied software                                                                                                                    |
| <b>Warranty</b>            | Warranty period           | 12 months                                                                                                                            |

## Compatible products



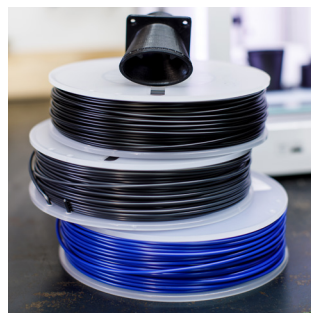
**Ultimaker S5**

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
- Iguu Iglidur I180-PF

### Heat resistance

- Ultimaker CPE+
- DSM Arnitel ID 2060 HT

### Flexibility

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

Your local reseller:

### Reinforced composites

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

### Support

- Ultimaker PVA
- Ultimaker Breakaway



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**Ultimaker**