



UltiMaker S6

Product data sheet



Building on award-winning legacy, now with up to 4x productivity

The UltiMaker S6 carries forward the great legacy of versatility and modularity, now supercharged with innovations like the UltiMaker Cheetah for up to 4x productivity, leverage the full power of the UltiMaker ecosystem.

- ✓ **Unmatched productivity:** Achieve the same great results up to 4x faster. Iterate designs and bring innovations to market quicker, powered by the UltiMaker Cheetah Motion Planner and backed by the UltiMaker Ecosystem.
- ✓ **Consistently high output:** Don't compromise on quality. Features like improved bed leveling and the optional flex plate reduce print failures and simplify part removal, without compromising the trustworthiness UltiMaker is known for.
- ✓ **Bulletproof reliability:** Designed and manufactured in the Netherlands, the S6 is backed by 12 month warranty for unparalleled peace of mind.
- ✓ **Unmatched modularity:** Full accessory compatibility ensures a smooth transition with unnecessary additional costs and easy access to hundreds of materials, all within your reach.
- ✓ **Easy UltiMaker access:** The UltiMaker S6 is your accessible entry point into the full UltiMaker ecosystem – from advanced materials to Digital Factory and Cura Cloud – simplifying your 3D printing experience from day one.

The UltiMaker ecosystem offering



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 for Industry 4.0

Trusted by millions of users across 14 languages, UltiMaker Cura integrates with any workflow through UltiMaker Marketplace plugins. Scale production and digital distribution with UltiMaker Digital Factory.



Massive material selection

UltiMaker S series 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.



Success-oriented support

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 S6 specifications

Printer and printing properties	Technology	Fused deposition modeling (FDM)
	Print head	Dual-extrusion print head with a unique auto nozzle-lifting system, flood detection and inductive probing
	Feeder type	Dual gripper feeder with tension adjustment, release functionality and filament feed-rate control
	Motion planner	Smooth, precise 3D printing with UltiMaker Cheetah. The world's first and only jerk limited motion planner, with third order continuous, smooth motion, and corner blending algorithm
	Filament diameter	2.85 mm
	Compatible print cores	AA+ 0.4 (included), CC+ 0.4, BB 0.4, 0.8 and DD 0.4 (sold separately) <i>*Legacy AA and CC print cores can be used in combination with pre-sliced print jobs.</i>
	Nozzle temperature	Up to 340°C (572 °F)
	Dimensional accuracy	±0.15 mm ±0.15% feature nominal length* <i>*Typical accuracy based on selected geometries, materials, and randomly selected machines</i>
	Build plate	Heated flexible PEI build plate (Up to 120 °C (248 °F)) or heated glass build plate (20 - 120 °C)
	Build volume (XYZ)	330 × 240 × 300 mm (~13 × 9.4 × 11.8 in)
	Layer resolution	60 - 400 microns (depending on the print core nozzle size and print profile)
	Extrusion flow	Up to 35 mm³/s
	XY speed, acceleration, jerk	Up to 500 mm/s, up to 50.000 mm/s², up to 100.000.000 mm/s³
	Material handling	Dual spool holder with NFC recognition
	Operating sound	< 50 dBA
	Display	Fast responsive color touchscreen
	Monitoring	HD camera
	System on module	ARM cortex quadcore at 1.8 GHz
	Real-time controller	600 MHz Arm-cortex M7
	Connectivity	Wi-Fi 2.4 & 5 GHz: IEEE 802.11a/b/g/n/ac. LAN: Gigabit Ethernet. USB: 2.0
	Physical dimensions	Dimensions
Net weight		30 kg (66 lbs)
Ambient conditions	Operating temperature	15 - 32 °C (59 - 90 °F), 10 - 90 % RH non-condensing
	Non-operating temperature	0 - 32 °C (32 - 90 °F), 10 - 90 % RH non-condensing
Software	Print preparation	UltiMaker Cura 5.10.1 or newer Cura Cloud (no installation required)
	Printer management	UltiMaker Digital Factory
	Supported OS	Windows, MacOS, Linux
Warranty	Warranty period	12 months

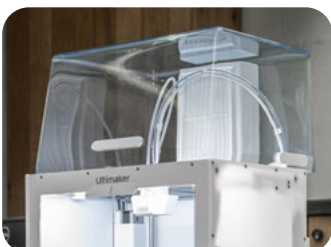
Compatible accessories



AA+ and CC+ print cores
Quick-swap nozzles that enable higher flow rate.



Material Station
Simplified and automated material handling.



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

Compatible materials

Easy to print

- UltiMaker PLA
- UltiMaker Tough PLA
- UltiMaker PETG

Durable

- UltiMaker ABS
- UltiMaker CPE
- UltiMaker Nylon

Flexible

- UltiMaker TPU 95A

Reinforced composites

- UltiMaker PET-CF
- UltiMaker Nylon CF Slide

Heat resistant

- UltiMaker CPE+
- UltiMaker PC

Support materials

- UltiMaker PVA
- UltiMaker Breakaway

