

# UltiMaker print core

## Product data sheet

# Print core CC+



### Higher Uptime, Faster Changeovers

Maximize print performance and machine uptime with our swappable, material-matching print cores. Set up your 3D printer in seconds, whether you need reliable build and support material combinations for geometric freedom, a different nozzle size, or to print in dual color.

### High-Speed Composite Printing

Don't let abrasive materials slow you down. The CC+ print core brings high-speed capabilities to your most demanding composite workflows. Built with a hardened nozzle and compatible with UltiMaker's advanced motion planning, it ensures reliable, high-volume printing with fiber-reinforced filaments.

### Key Features

- ✓ **Fast setup:** Quickly swap print cores and switch between different material combinations to minimize downtime.
- ✓ **Recognition:** The printer will automatically recognize the print core type and nozzle size for quick and error-free configuration changes.
- ✓ **Abrasion resistant:** The CC+ print cores are specifically designed for use with abrasive composite materials.
- ✓ **High-flow nozzle:** Featuring a 0.6 mm nozzle, designed to ensure consistent material flow and superior layer bonding at higher velocities.
- ✓ **Cheetah optimization:** Fully integrated with UltiMaker Cheetah motion planning to ensure high-accuracy printing even at peak speeds.

### Specifications

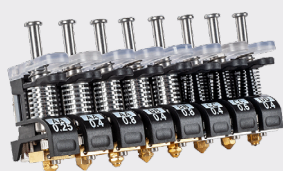
Print core type	CC+
Filament diameter	2.85 mm
Temperature	Up to 340 °C
Nozzle sizes	0.6 mm (SKU 237384)
Nozzle material	Tool steel with TiN coating
Heater block material	Nickel-plated copper alloy
Heater cartridge	30W, 24V
Temperature sensor	PT100B
Memory	EEPROM
Box dimensions	126.7 × 121.3 × 21.5 mm
Warranty	Print cores are consumables and excluded from warranty

### Compatibility

UltiMaker 3D printers	<ul style="list-style-type: none"><li>• UltiMaker S6</li><li>• UltiMaker S8</li></ul>
UltiMaker materials	<ul style="list-style-type: none"><li>• PET CF</li><li>• Nylon CF Slide</li></ul>
Third-party materials	Also compatible with various third-party and Marketplace materials, including GF and CF composites.

### More print cores

For additional material-compatibility and features, see the other print core types that UltiMaker has available:



#### Print core AA

0.25, 0.4, and 0.8 mm

Compatible with a wide range of (non-abrasive) build materials.

#### Print core BB

0.4 and 0.8 mm

Compatible with water-soluble (PVA) support material.

#### Print core DD

0.4 mm

For support interface layers in combination with metal filament.

#### Print core DD

0.4 mm

For support interface layers in combination with metal filament.

#### Print core HT

0.6 mm

For high-temperature materials such as PPS CF on Factor series.

#### Print core AA+

0.4 mm

Designed for high-speed, high-flow printing, with a quad-chamber design.