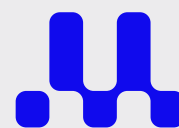


UltiMaker print core

Product data sheet

Print core CC



UltiMaker

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.

Built to Last

Unlock the potential of high-strength applications with the UltiMaker CC print core. Engineered for composite materials, it provides the durability needed for industrial-grade printing. Available in 0.4 mm for detail and 0.6 mm for speed.

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.
- ✓ **Nozzle size choice:** The 0.6 mm nozzle ensures a consistent material flow, while the 0.4 mm nozzle allows fine details, even with composites.
- ✓ **Easy maintenance:** Clean the CC print cores preventively every 100–150 printing hours, following the guided cleaning procedure.

Specifications

Print core type	CC
Filament diameter	2.85 mm
Temperature	Up to 280 °C
Nozzle sizes	0.4 mm (SKU 236686), 0.6 mm (SKU 236688)
Nozzle material	Tool steel with TiN coating
Heater block material	Aluminum alloy (6061)
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

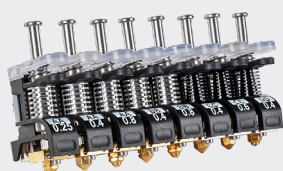
Compatibility

UltiMaker 3D printers	<ul style="list-style-type: none">• Factor 4• S series (S3, S5, S6, S7, S8)
UltiMaker materials	<ul style="list-style-type: none">• PET CF• Nylon CF Slide
Third-party materials	Also compatible with various third-party and Marketplace materials, including GF and CF composites.

Note: The CC print core could also be used for non-abrasive UltiMaker build materials, but no profiles have been developed in UltiMaker Cura. Configuration warnings will be shown.

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 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.

Print core CC+

0.6 mm

For reliable high-speed printing with abrasive composite materials.