



3D Printer Creality Hi Combo with Color-Fusion System (CFS), 500mm/s Speed, and Automatic Multi-Color Printing

Modelis: 1001010498

Gamintojas: CREALITY

EAN: 6971636404248

Prekės kodas: 584232

407.00€

Creality Hi Combo 3D Printer: Speed, Precision, and 16-Color Capability

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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The Creality Hi Combo is an advanced Fused Deposition Modeling (FDM) 3D printer designed for both professional use and serious hobbyists, offering exceptional speed, intelligent automation, and groundbreaking multi-color printing capabilities. Featuring the innovative Color-Fusion System (CFS), the Hi Combo allows users to connect up to four CFS units to unlock a stunning palette of 16 colors for intricate, detailed models.

With a maximum print speed of 500 mm/s and rapid acceleration (up to 12,000 mm/s²), the Hi Combo ensures high productivity without sacrificing quality, supported by a robust metal construction and active vibration compensation technology.

Groundbreaking Multi-Color Printing (CFS)

The innovative Color-Fusion System (CFS) revolutionizes multi-color 3D printing by seamlessly managing up to 16 different filaments simultaneously (requires four CFS units). The included CFS unit provides the core multi-material functionality, eliminating the need for manual filament changes during complex projects. This system also supports the use of different materials for main models and soluble support structures, ensuring easier removal and cleaner final products.

Intelligent Automation and Speed

- **High-Speed Performance:** Achieve typical printing speeds of 300 mm/s and a maximum speed of 500 mm/s, supported by powerful stepper motors with FOC algorithm for precise movement.
- **Active Vibration Compensation:** Proprietary algorithms analyze and actively eliminate vibrations at high speeds, resulting in perfectly smooth surfaces, free from ringing artifacts.
- **Smart Filament Recognition (RFID):** A built-in RFID sensor automatically identifies the type, color, and properties of Creality filaments, ensuring optimal printing parameters are set automatically and alerting users to material mismatches.
- **Rapid Heating:** The powerful 1000W heated work table reaches 60°C in just 30 seconds and 100°C in 90 seconds, significantly speeding up print preparation time and improving first-layer adhesion.

Precision and User Experience

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Starting a perfect print is simple thanks to the sophisticated leveling system. The Creality Hi Combo features full automatic calibration, utilizing two independently controlled Z-axis drive screws and a precision pressure sensor in the print head to guarantee perfect first-layer adhesion across the 260 × 260 × 300 mm build volume.

- **Quiet Operation:** Optimized linear guides, dual Y-axis rods, and dynamically balanced fans ensure extremely quiet operation. In Silent Mode, noise levels remain below 48 dB.
- **Advanced Extruder:** Equipped with a durable Direct Drive metal extruder, an automatic filament cutter, and an integrated three-metal nozzle that heats up to 300°C.
- **Connectivity and Monitoring:** Monitor printing progress via the built-in camera and manage settings via the responsive, foldable 3.2-inch color touchscreen. File transfer is handled via USB drive or Wi-Fi.
- **Intuitive Software Ecosystem:** Operates on Creality OS and works seamlessly with the completely revamped Creality Print software (offering 40+ presets) and Creality Cloud for remote printing and model access.

Technical Specifications Highlights:

- **Printing Technology:** FDM (Fused Deposition Modeling)
- **Build Volume:** 260 × 260 × 300 mm
- **Maximum Print Speed:** 500 mm/s
- **Extruder:** Direct Drive
- **Maximum Nozzle Temperature:** 300°C
- **Maximum Bed Temperature:** 100°C
- **Multi-Color Support:** 1 (standard) up to 16 (with four CFS units)
- **Supported Materials:** Hyper-PLA, PLA, PETG, ABS, PLA-CF (and others supported by CFS)

CREALITY is a globally recognized leader in the 3D printing industry, known for manufacturing innovative, high-performance FDM and Resin printers that push the boundaries of accessible additive manufacturing technology.

Order the revolutionary Creality Hi Combo 3D Printer today from ++SHOP++ as we offer the best prices and expert support for your high-speed, multi-color projects.

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Creality Hi Combo

The Creality Hi Combo is an innovative 3D printer that enables multi-color printing thanks to its Color-Fusion System (CFS), allowing up to 16 colors when additional modules are connected. Equipped with advanced features such as automatic leveling, fast table heating, intelligent RFID filament recognition and active vibration suppression, it provides exceptional precision and smooth operation even at extreme speeds. Its metal construction, quiet operation (48 dB), intelligent filament management and operation on Creality OS and Creality Print make it ideal for both professionals and those starting out in 3D printing.

Print in multiple colors

The Creality Hi Combo is a breakthrough solution for any 3D printing enthusiast who wants to give their models a unique, multi-color look. With the innovative Color-Fusion System (CFS), you can connect up to four CFS units to print in a stunning palette of 16 colors, eliminating the need to manually change filaments. With RFID smart filaments, the Creality Hi Combo recognizes the material, its color and its properties, resulting in even better print quality and smoother management of multicolor projects. The kit comes with one CFS unit - if you want to use the full range of colors, just buy additional modules.

Intelligent filament recognition

A built-in RFID sensor in the base of the printer automatically identifies the type and color of Creality filament. Just scan the spool on the right side and the system will adjust the settings on its own. In addition, the device will alert you if there is a mismatch between the material and the cutting parameters, eliminating the risk of printing errors.

Precise layering

A perfect print starts with a perfectly leveled table. The Creality Hi Combo offers an advanced automatic leveling system that guarantees perfect adhesion of the first layer to the platform. Two independently controlled drive screws adjust the position of the X-axis, and a precision pressure sensor in the print head automatically scans the work surface to ensure a perfect calibration grid.

Easy and fast operation

The printer is equipped with a 1000W heated work table that reaches 60°C in 30 seconds and 100°C in 90 seconds. Such fast heating shortens the preparation time for printing, increasing productivity and enabling stable adhesion of the filament to the surface. In addition, thanks to the CFS mechanism, changing the filament is simpler than ever. Simply insert the filament into the feeder tube and touch the screen to start loading or unloading it. The entire process is smooth and seamless, saving time and eliminating the risk of errors.

Express assembly and audible notifications

Forget about the lengthy assembly of the printer - the Creality Hi Combo comes 95% assembled, with just seven screws tightened and a few wires connected to get it up and running. The quick assembly makes it one of the most intuitive bed slinger printers for the user. In addition, for your comfort, the Creality Hi Combo notifies you when a job is finished or when there is an unexpected interruption with a built-in buzzer. This means you don't have to constantly monitor the printing process, allowing you more freedom while you work.

Foldable touch screen and built-in camera

The printer features a 3.2-inch touchscreen that responds instantly to touch, and can be easily folded away to reduce space. An optimized cable connection enhances stability and reliable operation. A built-in camera allows you to track your progress and share time-lapse videos with a single click. If you value privacy, you can use a protective cover for the camera, giving you full control over your recordings.

Quiet and precise operation

Thanks to dynamically balanced fans, a resistance-free linear guide and smooth linear bars, the Creality Hi Combo runs extremely quietly. In Silent Mode, the noise does not exceed 48 dB, which means that you can print even at night without disturbing your household members. The printer impresses not only with its styling and quiet operation, but also with its stability. The metal construction with cast aluminum parts minimizes vibration, while the linear guide on the X-axis and dual rods on the Y-axis ensure unparalleled precision and excellent print quality.

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Active vibration compensation

The use of a proprietary vibration compensation algorithm makes it possible to analyze vibrations at different printing speeds and actively eliminate them. As a result, prints are faster, free of ringing and have a perfectly smooth surface. CFS allows you to create support structures from a different material, making their removal easier and more precise. You can choose water-soluble supports, eliminating the risk of visible marks on the final model.

Intuitive software and application access

The most advanced version of Creality OS offers management of multiple filaments, expert mode for full control over printing, and compatibility with FLUIDD WebUI for easy operation from a web browser. The completely revamped Creality Print software offers 40+ presets for filaments, support for 3MF models, and the ability to control multiple printers via LAN. And Creality Cloud gives you access to a library of 3D models, enables remote printing and lets you interact with other printing enthusiasts.

Advanced features and powerful engine power

The Creality Hi Combo is equipped with metal extruder gears for exceptional durability, an automatic filament cutter for fast and clean cutting, and an integrated nozzle that reduces the risk of clogging and allows for instant replacement. Thanks to its stepper motors with FOC algorithm, the Creality Hi Combo provides smooth and precise operation even at extreme speeds - 500 mm/sec maximum print speed and 12,000 mm/sec maximum acceleration.

Included

- printer
- Creality CFS system
- Teflon tube
- Z axis motor cover x2
- power cable
- M4x8 screw with ball head and Allen socket x4
- M3x8 screw with ball head and Allen socket x2

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- self-tapping screw M3x5 with flat head
- Allen wrench
- socket wrench
- filament
- cutting pliers
- nozzle cleaner
- instruction manual

Printer

Manufacturer	Creality
Model	Hi Combo
Printing technology	Fused Deposition Modeling (FDM)
XYZE motors	Servo stepper motor for X/Y axis; stepper motor for other axes
Working area	260 × 260 × 300 mm
Printer dimensions	409 × 392 × 477 mm
File transfer	USB drive / Wi-Fi
Screen	Color touch screen 3.2"
Weight	13.31 kg
Monitoring camera	Yes
Automatic filament change	Yes (with CFS)
Filament end sensor	Yes
Filament entanglement detection	Yes
Input Shaping (G-sensor)	Yes
Work light	Yes
Printing speed	300 mm/s (typical); 500 mm/s (maximum)
Rated voltage	AC 100-240V / 50 Hz
Acceleration	≤ 12000 mm/s²

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Rated power	1150W@220V; 390W@110V
Printing accuracy	100±0.1 mm
Supported materials	Hyper-PLA, PLA, PETG, ABS, PLA-CF
Layer height	0.1-0.35 mm
Model cutting software	Creality Print 5.1 and later versions
Extruder	Direct extruder (Direct Drive)
Maximum number of filaments	1 (without CFS); 16 (with four CFS units)
Filament diameter	1.75 mm
User interface languages	English, German, Spanish, French, Italian, Portuguese, Turkish, Russian, Japanese, Chinese
Nozzle type	Three-metal, durable nozzle
RFID filament	Supported
Nozzle diameter	0.4 mm (compatible with 0.6/0.8 mm)
Supported file formats	G-code, 3MF
Nozzle temperature	≤ 300°C
CFS	Yes
Heating table temperature	≤ 100°C
CFS connection	≤ 4 (separate power source required for 2 or more units)
Working surface	Double-sided flexible epoxy board
Cloud printing application	Creality Cloud
Leveling mode	Full automatic calibration
File memory	8 GB EMMC

CSF

Dimensions	379 × 314 × 276 mm
Connection port	Creality 485 × 2
Weight	4.56 kg

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Power supply	DC 24V
Number of filament slots	4
Rated power	20W
Drying method	Drying agent
Status indicator	Indicator LED (white/red) × 4
Filament buffer	IN × 4 & OUT × 1
Display screen	Segmented LCD
Number of extensions	≤ 4
Compatibility with filament spools	Filament spool 1 kg; diameter: 197-202 mm; thickness: 42-68 mm
RFID filament recognition	Yes
Supported filaments	PLA, PETG, ABS, ASA, PET, PLA-CF (incompatible with flexible TPU, wet BVOH/PVA and curled cardboard spools)
Filament diameter	1.75±0.05 mm
Automatic filament replacement	Yes

Printing speed (mm/s): 500, Printer type: FDM , Gross weight: 19140, Net weight: 13310, Box length: 64,70, Box width: 46,00, Box height: 55,50, Information about data generation: <https://dataact.innpro.pl/creality/6971636404248>