

# Creality K1C 2025 3D printer



Model: 1202080060

Manufacturer: CREALITY

EAN: 6977726811729

Product Code: 1300228

## R8,619

### Creality K1C 2025 3D Printer

The Creality K1C is an advanced 3D printer that has been pre-assembled and calibrated at the factory - it takes just 3 minutes to start the first print. It has an enclosed work chamber measuring 220 × 220 × 250 mm, which provides a stable environment for working with more difficult filaments. A built-in extruder with an anti-clogging kit reduces the risk of failure. The whole thing runs under the powerful Creality OS operating system.

### Jam-free printing - new generation extruder

The K1C uses a robust extruder with an improved clamping mechanism that ensures stable filament feeding. This enables more than 1,000 hours of continuous printing without clogging. The interchangeable "Unicorn" nozzle, made of copper, steel and titanium, allows for quick replacement. It also blocks unwanted heating of the filaments at the top of the head, preventing material flow problems.

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## Cooling on three levels

The Creality K1C uses an advanced triple cooling system to take care of the quality of each print. The first fan at the head reduces heat creep by cooling the filament before it reaches the nozzle. The second is responsible for quickly curing the print immediately after layer application, improving adhesion between layers. The third fan, located in the chamber, takes care of even cooling of the entire model.

## Supports carbon fiber filaments

The printer works well with technical materials such as PLA-CF or PET-CF, which are reinforced with carbon fiber. These filaments are used in the production of parts subjected to mechanical stress and elevated temperatures. K1C reaches up to 300°C, which allows it to work with filaments that are more difficult to process. The flexible PEI plate improves adhesion of the first layer and makes it easier to remove finished models.

## Automated and fast

The calibration process on the K1C comes down to a single click. The printer automatically aligns the table, sets the Z-axis and performs shape tests. The touchscreen interface resembles a smartphone screen in operation, making the device easy to use. The K1C achieves an impressive print speed of up to 600 mm/s while maintaining high quality. The maximum acceleration is as high as 20,000 mm/s<sup>2</sup>, making it one of the fastest printers in its class. It owes this to its lightweight CoreXY design and rigid die-cast frame.

## Built-in AI camera

The integrated AI camera actively monitors printing progress. It can detect phenomena such as so-called spaghetti, or tangled filament, or the presence of foreign objects on the table. If there is a problem, printing is automatically stopped and the user is notified. The camera is also suitable for remote viewing and creating impressive timelapse images of the printing process. This is a practical solution for those who want to have control over printing from anywhere.

## Thoughtful design and user comfort

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Closed chamber with transparent walls allows you to observe the printing process in real time. A built-in activated carbon filter reduces odors and cleans the air of particles emitted from hot filaments. The quiet mode allows the printer to operate with a volume not exceeding 45 dB. Every detail of the printer has been taken care of, from vibration-reducing shock absorbers to a reinforced cable guide. You'll also find a silicone strip for cleaning the nozzle, dampened hinges and an anti-splash film on the door. The printer also has room for a side spool holder and many ready-made accessories available as 3D models.

### Error handling and serial printing

When one of the models in a batch print fails, the K1C allows you to simply skip it - without interrupting the entire batch. The feature is available in the Creality Print software and enables faster and more efficient management of large projects. The feature will also soon be available in Creality OS.

### Creality ecosystem

The Klipper-based Creality OS offers advanced features like vibration compensation and advanced filament flow control. You can modify it at will or join an active software community. With the Creality Cloud app, you gain access to a library of 3D models, the ability to print remotely from the cloud and contact with other users. The whole thing is also supported by Creality Print software, which combines the functions of a program for preparing models for printing with the management of multiple 3D printers. This makes the entire process - from design to finished print - fully automated and convenient.

|                            |                    |
|----------------------------|--------------------|
| <b>Manufacturer</b>        | Creality           |
| <b>Model</b>               | K1C 2025           |
| <b>Printing technology</b> | FDM                |
| <b>Working surface</b>     | 220 × 220 × 250 mm |
| <b>Product dimensions</b>  | 355 × 355 × 482 mm |
| <b>Weight</b>              | 12.4 kg            |

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|                                         |                                                                                            |
|-----------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Printing speed</b>                   | Up to 600 mm/sec                                                                           |
| <b>Acceleration</b>                     | up to 20,000 mm/s <sup>2</sup>                                                             |
| <b>Printing accuracy</b>                | 100 ± 0.1 mm                                                                               |
| <b>Layer height</b>                     | 0.1 - 0.35 mm                                                                              |
| <b>Extruder</b>                         | Direct dual drive                                                                          |
| <b>Filament diameter</b>                | 1.75 mm                                                                                    |
| <b>Nozzle diameter</b>                  | 0.4 mm                                                                                     |
| <b>Nozzle temperature</b>               | up to 300°C                                                                                |
| <b>Heating table temperature</b>        | up to 100°C                                                                                |
| <b>Working surface</b>                  | Flexible PEI plate                                                                         |
| <b>Leveling system</b>                  | Automatic leveling                                                                         |
| <b>File transfer</b>                    | USB, Wi-Fi                                                                                 |
| <b>Screen</b>                           | 4.3" color touch screen                                                                    |
| <b>Supported filaments</b>              | ABS, PLA, PETG, PET, TPU, PA, ASA, PC, PLA-CF, PA-CF, PET-CF                               |
| <b>File formats for printing</b>        | G-Code                                                                                     |
| <b>Supported model formats</b>          | STL, OBJ, 3MF                                                                              |
| <b>Cutting software</b>                 | Creality Print, Cura, PrusaSlicer                                                          |
| <b>AI camera</b>                        | Yes                                                                                        |
| <b>Resume printing after power loss</b> | Yes                                                                                        |
| <b>Sensor for lack of filament</b>      | Yes                                                                                        |
| <b>Air filter</b>                       | Yes                                                                                        |
| <b>Input Shaping</b>                    | Yes                                                                                        |
| <b>LED lighting</b>                     | Yes                                                                                        |
| <b>Sleep mode</b>                       | Yes                                                                                        |
| <b>Power supply voltage</b>             | 100-120V ~, 200-240V ~, 50/60 Hz                                                           |
| <b>Power consumption</b>                | 350 W                                                                                      |
| <b>Interface languages</b>              | English, Spanish, German, French, Russian, Portuguese, Italian, Turkish, Japanese, Chinese |

Printing speed (mm/h): 600, Printer type: FDM , Gross weight: 17070, Net weight: 12400, Box length:

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57,00, Box width: 44,00, Box height: 42,50, Information about data generation:

<https://dataact.innpro.pl/CREALITY/6977726811729>

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