# K1C

## Champion of Speed and Skills

All-metal Extruder with Quick-swap Nozzle

Supporting Carbon Fiber Filaments

600mm/s Max Printing Speed

Observant AI Camera

Filament Dryer Optional

## All-metal Extruder, Enhanced Reliability

Enhanced with a bolster spring and a ball plunger.
It forms a strong grip that won't slacken off.

## Tri-metal "Unicorn" Nozzle, Quick to Swap

Steel-tipped copper nozzle integrated with a titanium alloy heatbreak.
It is free of clogs and can be swapped quickly.

## Carbon Fiber Reinforced Filaments Well Supported

Enclosed chamber, 300°C hotend, and hardened steel nozzle tip.  K1C prints well with high-temp, wear-resistant PA-CF, ASA, etc.

## CoreXY, Proven to Be Super Fast

Max. 600mm/s speed and 20000mm/s² acceleration.
It lifts up printing efficiency significantly.

## Auto Calibration for Hands-free Leveling

Just give a single tap, and the auto-calibration gets leveling and everything ready for you with smart sensors.

## Observant AI Camera

It recognizes spaghetti failure and foreign matter, and enables real-time monitoring and time-lapse filming.

## Dynamic Balancing for Reduced Vibration

The weight of printhead fans is dynamically balanced.
So they are less likely to wobble, minimizing ringing or ghosting.

## Air Filter & Silent Mode

The air filter purifies compounds and particles arising from molten filaments.
The silent mode brings the noise down to 45dB.

## Creality OS & Superb Software Ecosystem

Creality OS offers advanced functions and is open-source.
It allows control and monitoring from Creality Print and Creality Cloud.

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| Printing Technology | FDM | File Transfer | USB drive, WiFi |
| Build Volume | 220*220*250mm | Display Screen | 4.3" color touch screen |
| Product Dimensions | 355*355*482mm | AI Camera | Yes |
| Package Dimensions | 441*441*578mm | Power Loss Recovery | Yes |
| Net Weight | 12.4kg | Filament Runout Sensor | Yes |
| Gross Weight | 16kg | Input Shaping | Yes |
| Printing Speed | ≤600mm/s (Test with Hyper PLA) | Lighting Kit | Yes |
| Acceleration | ≤20000mm/s² | Sleep Mode | Yes |
| Printing Accuracy | 100±0.1mm | Rated Voltage | 100-120V~, 200-240V~, 50/60Hz |
| Layer Height | 0.1-0.35mm | Rated Power | 350W |
| Extruder | All-metal direct drive extruder | Supported Filaments | ABS, PLA, PETG, PET, TPU, PA, ASA, PC, PLA-CF, PA-CF, PET-CF |
| Filament Diameter | 1.75mm | Printable File Format | G-Code |
| Nozzle Diameter | 0.4mm (compatible with 0.6/0.8mm nozzle) | Slicing Software | Creality Print, Cura 5.0 and later version |
| Nozzle Temperature | ≤300°C | File Formats for Slicing | STL, OBJ, 3MF |
| Heatbed Temperature | ≤100°C | Leveling Mode | Hands-free auto leveling |
| Build Surface | PEI flexible build plate | UI Languages | English, Spanish, German, French, Russian, Portuguese, Italian, Turkish, Japanese, Chinese |