



## Creality K1 3D Printer

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### Creality K1 3D Printer

Creality K1 is a printer that offers unparalleled speed, precision, and versatility. With advanced printing technology, a fast and lightweight print head, innovative cooling solutions, and an intuitive user interface, this 3D printer is perfect for professionals and enthusiasts looking for an efficient and user-friendly device. With Creality K1, creating sophisticated projects with unprecedented quality and speed becomes possible.

### Speed and Performance

Creality K1 is 12 times faster than standard FDM 3D printers, achieving print speeds of up to 600mm/s and acceleration of up to 20000mm/s<sup>2</sup>. This allows even the most complex projects to be completed in significantly less time. Additionally, the use of a dual-core 1.2 Hz processor and 8GB ROM memory enables fast data processing and storage of up to 400 model files, resulting in smoother and more efficient work.

### Advanced Cooling and Precision

The Dual Cooling technology in K1 ensures that the model solidifies before warping occurs, which is crucial when creating bridges and overhangs without supports. An additional 18W fan significantly improves cooling, ensuring higher print quality. Enhanced Z-axis and G-sensor in the print head automatically adjust the device, reducing Z-banding and increasing the accuracy of each layer.

### Innovative Print Head

The lightweight print head, weighing only 190g, reduces motion inertia, resulting in greater precision and print quality. The new ceramic heater quickly heats the filament to 200°C in 40 seconds, and a 50N extrusion force ensures even and stable material delivery. The flexible construction plate works with various types of materials, allowing for quick and easy removal of finished prints.

### Intelligent Operating System

Creality K1 is equipped with an intelligent operating system with an easy-to-use user interface that syncs data and commands with a computer, phone, cloud, and additional modules. This makes printer operation intuitive and adaptable to user needs, regardless of their level of expertise.

### User-Friendliness and Safety

The printer is assembled and calibrated before shipping, allowing for immediate use. The auto-test feature checks key printer components, such as the extruder, heated bed, camera, fan, and leveling, enhancing the safety and reliability of the device. The deformation sensor array in the heated bed automates the leveling process, ensuring that every print is perfectly executed.

### Specifications

BrandCreality

ModelK1

Printing TechnologyFDM

Build Volume220 x 220 x 250mm

Product Dimensions355 x 355 x 480mm

Device Weight12.5kg

Printing SpeedUp to 600mm/s

AccelerationUp to 20000mm/s<sup>2</sup>

Printing Accuracy100±0.1mm

Layer Height0.1-0.35 mm

ExtruderDirect Drive Dual Gear

Filament Diameter1.75mm

Nozzle Diameter0.4mm

Nozzle TemperatureUp to 300°C

Heated Bed TemperatureUp to 100°C

Build SurfaceFlexible Construction Plate

Leveling ModeAutomatic

Data TransferUSB Memory, WiFi

Display4.3-inch Color Touchscreen

AI CameraOptional

AI LiDAROptional

Power RecoveryYes

Filament Runout SensorYes

Input ShapingYes

Lighting KitYes

Sleep ModeYes

Rated Power100-120V, 200-240V~, 50/50Hz

Power Consumption350W

Max Filament Flow Rate32mm<sup>3</sup>/s

Extrusion Force50N

Supported FilamentsABS, PLA, PETG, PET, TPU, PA, ABS, ASA, PC, PLA-CF, PA-CF, PET-CF

File Format for PrintingSTL, OBJ, AMF

Slicing SoftwareCreality Point; compatible with Cura, Simply3d, PrusaSlicer

Interface LanguagesEnglish, Spanish, German, French, Russian, Portuguese, Italian, Turkish, Japanese, Chinese

Price:

**€ 571.00**

TechCraft, 3D Printers