



3D Printer Creality K1 MAX | High-Speed FDM, 300x300x300mm Build Volume, AI LiDAR & Camera Monitoring, 600mm/s Speed

Modelis: K1 Max

Gamintojas: CREALITY

EAN: 6971636403128

Prekės kodas: 560316

655.99€

Creality K1 MAX: The Future of High-Speed FDM 3D Printing

The Creality K1 Max 3D printer redefines FDM technology by offering extraordinary printing speeds up to 600 mm/s – up to twelve times faster than conventional devices. Built around a stable Core XY

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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structure and featuring a massive 300 x 300 x 300 mm build volume, the K1 Max combines rapid production with industrial quality. Equipped with Creality's intelligent operating system and advanced AI monitoring features, this machine is designed for professionals and enthusiasts seeking peak performance, precision, and ease of use.

Unmatched Speed and Core XY Precision

Achieving blazing fast speeds requires exceptional engineering. The K1 Max utilizes a lightweight 190g Core XY print head design, ensuring minimal inertia and smooth, accurate movement even during extreme acceleration (up to 20000 mm/s²). This innovative architecture not only boosts speed but also significantly improves overall print quality by eliminating vibration. Furthermore, the enhanced Z-axis boasts precise positioning, minimizing visible layer inconsistencies (Z-banding) and ensuring ultra-smooth model finishes.

- Maximum printing speed up to 600 mm/s for rapid prototyping and batch production.
- Lightweight 190g print head with Core XY structure for reduced movement inertia.
- Precise Z-axis mechanism ensures smooth layers and high printing accuracy (100±0.1mm).
- High-flow direct drive extruder with dual gears supports a wide range of materials.

Intelligent Monitoring with AI and LiDAR Technology

The Creality K1 Max introduces revolutionary features for automated quality control. It employs 1-nanometer resolution LiDAR technology to scan the first layer, ensuring perfect calibration and adhesion before the print begins. Additionally, an integrated AI Camera actively monitors the entire printing process. This smart system can immediately detect common errors, such as "spaghetti failure" (filament clogging/detachment) or foreign objects, alerting the user for immediate intervention. The camera also supports real-time progress monitoring and time-lapse video creation.

Innovative Thermal Management and Material Compatibility

Designed for professional-grade filament use, the K1 Max ensures optimal thermal conditions. The new ceramic heater rapidly heats the nozzle to 200°C in just 40 seconds, enabling quick starts. Coupled with the Dual Cooling technology (featuring a powerful 18W auxiliary fan), the device effectively cools down layers immediately after extrusion. This advanced cooling setup allows for printing complex geometries, strong bridges, and significant overhangs without distortion or the

excessive need for support structures.

- Nozzle temperature up to 300°C and bed temperature up to 110°C.
- Rapid heating ceramic element for minimal downtime.
- Dual Cooling system prevents warping and improves stability for demanding materials.
- Supports high-performance filaments including ABS, PLA, PETG, TPU, ASA, PC, and reinforced composites (PLA-CF, PA-CF, PET-CF).

Smart Operating System and Seamless Setup

The K1 Max runs on Creality's intelligent operating system, optimized for high-speed performance, featuring a simple 4.3-inch color touchscreen interface. Powered by a dual-core 1.2GHz processor and 8G ROM storage, it handles data efficiently, capable of storing up to 400 models. Connectivity options include USB and WiFi, allowing synchronization with various devices and cloud services. The K1 Max arrives fully assembled and calibrated. A one-touch self-test automatically verifies the extruder, heat bed, camera, fan, and leveling system, guaranteeing reliability right out of the box.

CREALITY is a globally recognized leader in 3D printing technology, known for democratizing professional-grade additive manufacturing through innovation and user-friendly devices. They are committed to providing reliable, high-performance machines for creators and industries worldwide.

Order the revolutionary Creality K1 MAX today from ++SHOP++ and experience the next generation of ultra-fast 3D printing.

Creality K1 MAX 3D printer

The Creality K1 Max 3D printer is revolutionizing the 3D printing industry, offering printing speeds twelve times faster than standard FDM devices. Featuring innovative technologies such as the lightweight Core XY print head, Creality's intelligent operating system and advanced monitoring system, the K1 Max delivers performance, precision and ease of use. Discover innovative solutions to push the boundaries of traditional 3D printing.

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Agile and precise print head

The K1 Max combines agility and precision with a lightweight 190g print head, which guarantees less inertia of movement. This innovative design allows for faster and more accurate printing, eliminating vibration and increasing overall print quality. In addition, an improved Z-axis with precise positioning minimizes Z-banding, ensuring smooth and even layers.

Advanced monitoring and LiDAR

The K1 Max revolutionizes the printing process by using LiDAR with a resolution of 1 nanometer to scan the first layer and an AI camera to monitor the entire process. The device immediately reports errors such as spaghetti failure or the presence of foreign objects, allowing quick intervention. Spaghetti failure is a printing error resulting from the loss of adhesion of the printed object to its base - this results in clumped filament beams that resemble spaghetti. The device will alert you when the error occurs. The system allows you to monitor printing progress in real time and create time-lapse videos.

Innovative heating and cooling technology

The new K1 Max ceramic heater heats the filament to 200°C in just 40 seconds, and an additional 18W fan effectively improves cooling. Dual Cooling technology enables complex bridges and overhangs without the need for supports, allowing models to harden before warping occurs.

Intelligent operating system

The K1 Max uses Creality's intelligent operating system, which provides a simple user interface and synchronization of data and commands with various devices and the cloud. With a dual-core 1.2Hz processor and 8G ROM, the device supports high-speed printing and stores up to 400 models for efficient data writing and reading.

Ease of use and reliability

The Creality K1 Max comes assembled and calibrated, greatly simplifying the process of getting started. Pressing a single button activates a self-test that checks all key components, including the

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extruder, heating table, camera, fan and leveling.

Brand	Creality
Model	K1 max
Printing technology	FDM
Design volume	300 x 300 x 300 mm
Product dimensions	435 x 462 x 526 mm
Weight of the device	18kg
Printing speed	600mm/s
Acceleration	20000mm/s2
Printing Accuracy	100±0.1mm
Layer height	0.1-0.35mm
Extruder	Direct drive with dual gears
Filament diameter	1.75mm
Nozzle diameter	0.4mm
Nozzle temperature	300°C
Heated table temperature	110°C
Construction surface	Flexible construction plate
Leveling mode	Automatic
Data transfer	USB memory stick, WiFi
Display	Size 4.3 inches, color, touchscreen
AI camera	Yes
AI LiDAR	Yes
Power loss recovery	Yes
Filament exhaustion sensor	Yes
Input shaping	Yes

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Lighting kit	Yes
Sleep mode	Yes
Rated power	100-240V~, 50/50Hz
Rated power	1000W
Supported filaments	ABS, PLA, PETG, PET, TPU, PA, ABS, ASA, PC, PLA-CF, PA-CF, PET-CF
File format for printing	STL, OBJ, AMF
Interface languages	English, Spanish, German, French, Russian, Portuguese, Italian, Turkish, Japanese, Chinese

Last delivery: 02.01.2026, Net weight: 18000, Box width: 51,50, Box length: 52,50, Box height: 61,30, Gross weight: 23000, Printing speed (mm/s): 600, Printer type: FDM , GPSR Link: https://psr-assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_print.pdf, Information about data generation: <https://dataact.innpro.pl/creality/6971636403128>