3D PRINTER K1 MAX

€ 829,00
Excl. BTW: € 685,12

Afbeeldingen

Beschrijving

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.

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 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
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

Productinformatie

Artikelnummer	K1MAX
Merk	CREALITY
Is on Sale	Nee

https://www.eijlander.nl/3d-printer-k1-max.html

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