



Creality K1 Max Imprimante 3D - Capacité et Vitesse Max

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SKU: 3DWWO2U8KP411

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Categories: [FDM](#), [3D Printers](#)

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Product Description

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The **K1 Max from Creality** is a powerful FDM 3D printer with extremely cool aesthetics and a large square build volume of 300 x 300 x 300 mm. The sturdy design allows the high-speed FDM giant to achieve extremely high print speeds without sacrificing print quality! **Finished assembled and ready to use** The *K1 Max* is shipped to you fully assembled and calibrated! A pre-installed simple quick start guide will walk you through the setup of the 3D printer, allowing you to start printing right away! **Large build volume and maximum space utilization** The elegant *K1 Max* features a large build volume of 300 x 300 x 300 mm, yet it has maximum print space with the most efficient use of space, which means the printer still boasts a compact device size! This makes the *K1 Max* ideal for prototyping and for printing design samples.

Sturdy aluminium alloy frame The sturdy unibody frame of the *K1 Max* is custom-made from die-cast aluminium alloy and CNC-milled. The highest precision and stable print behaviour even at high speed are thus given! **Robust construction for high speeds and smooth printing** The sturdy CoreXY structure and lightweight printhead weighing only 190 g are designed for high speeds. The robust frame, combined with the lightweight design of moving parts, ensures less inertia and vibration, and more stability! **Manual fully automatic bed levelling and calibration** The heated bed of the *K1 Max* has strain sensors through which a precise levelling network can be determined. Thanks to the AI-LiDAR scanner, millions of measurement points are measured on the print bed surface to ensure precise levelling. The measurement data from both of these systems is combined by *K1 Max* autonomously and ensures that unevenness on the build plate is automatically compensated for. Truly smart! **With AI-LIDAR to a beautiful**

first layer With a resolution of 1 μm , the intelligent LiDAR scanner monitors the first layer and independently sets the ideal flow quantity for it. In the event of error messages, the *K1 Max* stops automatically and lets you know via smartphone or PC that an error has occurred. **AI camera for print monitoring** *K1 Max* has an integrated AI camera, which it uses to monitor the printing process continuously and in real-time. This detects printing errors, foreign objects as well as loose parts in the build space as well as reporting them to the user. Thanks to a time-lapse function, you can also make beautiful recordings of your printing processes and share them with other 3D enthusiasts! **Real-time monitoring of print progress via PC or smartphone** With an existing network connection via WLAN or LAN, you can keep an eye on the print progress via PC or smartphone. If you connect multiple *K1 Max* printers online, you can even start batch production and maximise, duplicate or group your prints! Convenient. **Fine textures without Z-wobbling** The precisely guided and always equally positioned z-axis reduces z-banding and creates incredibly fine textures without layer offsets. **Flow calibration through LiDAR monitoring** The *K1 Max* is designed so that LiDAR determines the perfect flow for each filament through multiple test lines before printing begins. This way, the right amount of filament is always processed: So you don't have to struggle with gaps caused by too little extruded material or small balls (blobs) caused by too much extruded material! With the *K1 Max* there's no more hassle! **Built-in air purifier** The *K1 Max*'s built-in air purifier filters unpleasant odours and fine particles created by prints. **Other features:**

- 4.3 inch touchscreen
 - Smart Features: AI Camera, AI LiDAR, Power Loss Recovery, Filament Runout Sensor, Input Shaping, Lightning Kit, Sleep Mode
 - Compatible with various slicer software such as Creality Print, Cura, Simplify3D, PrusaSlicer
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