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CR-6 MAX 3D Printer

Creality CR-6 Max FDM 3d printer, large print size 400x400x400mm, makes you enjoy the DIY fun, realizes your unlimited creativity, and satisfies you with more choices.



The key difference between the CR-6 Max and the SE is, of course, the build volume. The CR-6 Max features a 400 x 400 mm build plate, with a towering 400-mm maximum build height.

CR-6 MAX FDM 3D Printer Features

The Golden Triangle

Holding up the towering Z-axis are the supporting rods that Creality has previously dubbed “The Golden Triangle”. These

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metal supports help to reduce vibrations as the bed is moving back and forth.

The appearance of these is a welcome and means that you will be able to print taller without having to worry about excessive Z-wobble as you reach the upper limits of the build volume.

Automatic Leveling System

The CR-6 Max 3d printer features the same innovative leveling system as the CR-6 SE, using a force-based sensor. The Max will simply touch the nozzle to the bed at specific points, and a strain sensor on the hot end will detect the exact point at which the nozzle touches the glass.

This system is nice for a number of reasons. For one, there is no extra sensor probe, meaning you don't need to calibrate any offsets other than the initial Z height to get the right "squish" in your first layer. Also, the automatic leveling system does away with the knobs on the underside of the bed, which will be a relief for anyone who has experience trying to level such large-format machines.

Further Features

Additional features the Creality CR-6 Max 3d printer will include:

Modular Nozzle: Creality designed the nozzle with modularity in mind. Users can disable the nozzle and change the heat block, heat sink, Teflon tube, or the nozzle tip with the included spares.

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Extruder: The redesigned extruder should allow for easier feeding of filament.

Filament Sensor: The CR-6 Max 3d printer is equipped with a photoelectric filament sensor detecting any possible filament breakage or runout.

Resume Print Function: Outages or disconnections should be no problem for the CR-6 Max because it can fully recover and resume the print when it's back up.

32-Bit Motherboard: The CR-6 SE reached one of its stretch goals on Kickstarter, meaning that both the SE and the Max will be delivered with a 32-bit motherboard for enhanced performance.

TMC2209 Motor Drivers: Another stretch goal, Creality will be adding TMC2209 motor drivers for more precise and quiet printing.

Mean Well Power Supply: Clarified in Creality's latest update, the CR-6 SE and CR-6 Max will be shipping with high-quality Mean Well power supplies for extended hardware life and your peace of mind.

Technical Specifications

CR-6 MAX FDM 3D Printer Properties

Modeling Technology: FDM (Fused Deposition Modeling)

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Printing Size: 400x400x400mm

Supported Materials: PLA/TPU/PETG/ WOOD

File Transfer: USB/Memory card

CR-6 MAX FDM 3D Printer Hardware

Machine size : 725x640x691mm

Motherboard: Silent motherboard

Nominal Voltage: 100v-240v

Rated Power: 500W

Output Voltage: 24V

CR-6 MAX FDM 3D Printer Extruder Hardware

Layer Thickness: 0.1-0.4mm

Print Resolution: ± 0.1 mm

Nozzle Temperature: $\leq 260^{\circ}\text{C}$

Nozzle Diameter: 0.4mm as standard

Hotbed Temperature: $\leq 90^{\circ}\text{C}$