



# 3D Printer Creality Ender-3 V3 High-Speed FDM, 600mm/s, Auto-Leveling, Direct Drive Extruder

Modelis: Ender-3 V3

Gamintojas: CREALITY

EAN: 6971636403296

Prekės kodas: 560319

## 298.99€

## Creality Ender-3 V3: High-Speed FDM 3D Printer for Professionals

The Creality Ender-3 V3 represents the pinnacle of advanced desktop 3D printing. Combining cutting-edge FDM (Fused Deposition Modeling) technology with a remarkably stable design and intuitive interface, this printer is engineered for professionals and serious enthusiasts seeking precise, high-quality results at incredible speeds. With a generous build volume of 220 x 220 x 250

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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mm, the Ender-3 V3 handles ambitious projects with ease.

## Unmatched Performance and Precision

Experience rapid production thanks to impressive operational parameters. The Ender-3 V3 reaches a maximum print speed of 600 mm/s and acceleration up to 20000 mm/s<sup>2</sup>. Precision is ensured by the coordinated movement of the X and Z axes, driven by two dedicated base motors. The printer supports the Gcode file format and offers versatile connectivity options, including printing from a USB drive, LAN, or the Creality Cloud.

## Advanced Direct Drive System and Stability

- **Full-Power Direct Extrusion:** Engineered for reliable, clog-free operation for over 1,000 hours, ensuring consistent filament flow.
- **300°C High-Temp Nozzle:** Equipped with a 60-watt ceramic heater for rapid and complete melting of diverse filaments, supporting temperatures up to 300°C (Maximum Substrate temperature is 110°C).
- **Enhanced Stability:** The new metal construction features die-cast parts. The gantry and base are crafted from a single piece of metal, dramatically improving Z-axis accuracy and print quality.
- **Filament Versatility:** Compatible with a wide range of engineering and specialty materials, including PLA, TPU, PETG, ABS, PLA-CF, PETG-CF, and CR-carbon.

## Optimized Cooling System

Maintaining print quality at high speeds requires effective cooling. The Ender-3 V3 features a durable copper nozzle with a steel tip and titanium alloy heat shield. Furthermore, two powerful fans located at the front and rear of the print head ensure rapid, uniform cooling of the freshly extruded sections, preserving dimensional accuracy and surface finish, even when operating at 600 mm/s.

## Easy Operation and Smart Setup

Setup is virtually instant with smart features designed for ease of use:

- **Automatic Leveling:** The printer automatically detects and calibrates the build platform level, eliminating the need for tedious manual adjustments.

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- **4.3-inch HD Touchscreen:** A responsive color display allows for easy monitoring of the printing process, model previewing, temperature control, and features moving graphics for intuitive operation.
- **Smart Detection:** Includes filament detection to prevent print interruption due to material depletion and lost power recovery functions.
- **Compatibility:** Operates seamlessly with Windows and Mac OS systems, supporting multiple languages (Chinese, English, Spanish, German, French, Russian, Portuguese, Italian, etc.).

## Software and Ecosystem Integration

The Ender-3 V3 utilizes an excellent software ecosystem for enhanced control and monitoring. Users can easily manage and export models using the dedicated Creality Print slicer software and the Creality Cloud APP, facilitating seamless workflow management. The spring steel base allows the finished model to be released with a slight bend, simplifying the post-printing process.

**CREALITY** is a globally recognized leader in the additive manufacturing industry, famous for producing reliable, high-performance 3D printers that make innovative technology accessible to creators worldwide.

Order this cutting-edge 3D printer today from ++SHOP++ and unlock new levels of speed and precision in your prototyping and manufacturing projects.

## Creality Ender-3 V3 3D Printer

Creality Ender-3 V3 is an advanced 3D printer that combines cutting-edge technology, stable design and intuitive interface to offer professionals and enthusiasts a tool for creating precise prints. With FDM (fused deposition modeling) technology, the printer provides high-quality prints in a variety of materials.

## Powerful printing functions

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The printer allows modeling in a variety of materials, such as PLA, TPU, PETG, ABS, PLA-CF, PETG-CF and CR-carbon, offering a wide range of design possibilities. It offers filament detection functions, which prevents interruption of the printing process. It takes place at speeds of up to 600 mm/s, and the coordinated movement of the X- and Z-axis is driven by two motors attached to the base, which increases the accuracy of the Z-axis and enables better quality prints. The printer supports the Gcode file format and allows printing from a USB drive, via LAN or from the cloud.

## **Advanced design**

The Ender-3 V3 features a new metal construction with die-cast parts for greater stability and durability. The gantry and base are made from a single piece of metal, further improving the accuracy of the Z-axis for better quality prints. The printer is also equipped with full-power direct extrusion, enabling clog-free extrusion for more than 1,000 hours. A 60-watt ceramic heater ensures full melting of filaments at high speed.

## **Advanced cooling**

The printer is equipped with a durable copper nozzle with a steel tip and titanium alloy heat shield. In addition, two powerful fans at the front and rear of the print head quickly and evenly cool the freshly printed section, ensuring excellent print quality even at high speeds.

## **Easy operation and setup**

The Ender-3 V3 offers automatic level detection and calibration, which prepares the printer for operation without the need for manual leveling. The printer is also equipped with a 4.3-inch HD color touchscreen that allows easy monitoring of the printing process, model previewing and temperature control with moving graphics. In addition, the printer features a Windows and Mac OS-compatible operating system, providing versatility in operation.

## **Performance and precision**

The printer offers a maximum print speed of 600 mm/s and a maximum acceleration of 20000 mm/s<sup>2</sup>, enabling fast and precise prints. The direct-driven extruder is reinforced with a helical spring and ball piston, ensuring strong filament gripping without slowing down. Extruder

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enhancements such as a side spring, ball piston and powder metallurgy lever further increase adhesion and extrusion force for precise printing.

## State-of-the-art printing features

The printer has an excellent software ecosystem that allows control and monitoring with Creality Print slicer and Creality Cloud APP. This system allows easy management and export of models. The spring steel base allows the model to be released with a slight bend, which is useful in the printing process.

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| <b>Manufacturer</b>          | Creality                                              |
| <b>Model</b>                 | Ender-3 V3                                            |
| <b>Modeling technology</b>   | FDM                                                   |
| <b>Modeling dimensions</b>   | 220 x 220 x 250 mm                                    |
| <b>Leveling method</b>       | automatic level detection                             |
| <b>Number of nozzles</b>     | 1 pc.                                                 |
| <b>Extruder diameter</b>     | 0.4 mm                                                |
| <b>Layer thickness</b>       | 0.1-0.35 mm                                           |
| <b>Precision</b>             | ±0.2 mm                                               |
| <b>Nozzle temperature</b>    | ≤ 300                                                 |
| <b>Substrate temperature</b> | ≤ 110                                                 |
| <b>Filaments</b>             | PLA / TPU / PETG / ABS / PLA-CF / PETG-CF / CR-carbon |
| <b>Rated power</b>           | 350 W                                                 |
| <b>Input voltage</b>         | 100-120 V; 200-240 V; 50/60 Hz                        |
| <b>Filament detection</b>    | Yes                                                   |
| <b>Lost power recovery</b>   | Tak                                                   |
| <b>Printing method</b>       | From USB disk / via LAN / from the cloud              |
| <b>Print file format</b>     | Gcode                                                 |

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**Clipping software**    Creality Print

**Operating system**    Windows / Mac OS

**Language**    Chinese, English, Spanish, German, French, Russian, Portuguese, Italian, etc.

Gross weight: 10000, Net weight: 7830, Box length: 54,10, Box width: 41,80, Box height: 24,50,  
Printing speed (mm/s): 600, Printer type: FDM , GPSR Link: [https://psr-assets.innpro.pl/creative\\_technologies/sg\\_creative\\_technologies\\_3d\\_print.pdf](https://psr-assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_print.pdf), Information about data generation: <https://dataact.innpro.pl/creality/6971636403296>