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› Creality Ender 5 Plus 3D Printer Instruction Manual

Creality Ender 5 Plus

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Model: Ender 5 Plus

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Creality Ender 5 Plus 3D Printer. Please read it thoroughly before assembly and use to ensure optimal performance and longevity of the device. The Ender 5 Plus is a FDM (Fused Deposition Modeling) 3D printer designed for high-precision printing with a large build volume.

SAFETY INFORMATION

General Safety Precautions:

- Always operate the printer in a well-ventilated area.
- Keep the printer away from flammable materials and heat sources.
- Do not touch the nozzle or heated bed during operation as they reach high temperatures.
- Ensure proper grounding of the power supply.
- Keep out of reach of children and pets.
- Do not attempt to modify or disassemble the printer beyond the instructions provided.
- Disconnect power before performing any maintenance or cleaning.

WHAT'S IN THE BOX

Your Creality Ender 5 Plus package includes the following components:

- Creality Ender 5 Plus 3D Printer (partially assembled)
- Power Cable
- Tool Kit (Allen wrenches, screwdriver, etc.)

- Sample Filament
- SD Card and Card Reader
- Spool Holder
- User Manual (this document)

SETUP

1. Assembly

The Creality Ender 5 Plus comes partially assembled. Follow the included quick start guide for detailed assembly steps. Key steps involve attaching the gantry to the base, securing the Z-axis components, and connecting the wiring.

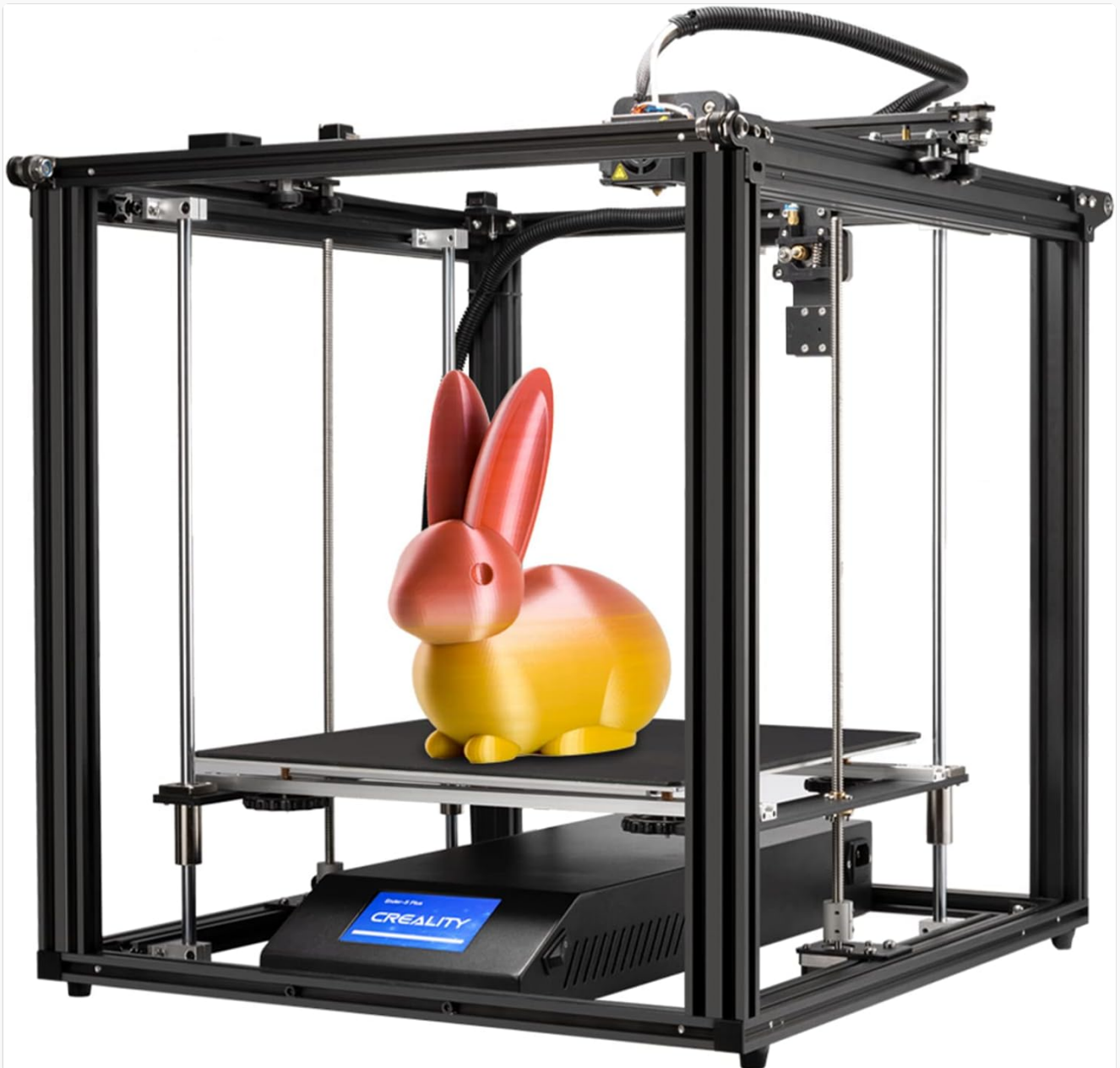


Image: The fully assembled Creality Ender 5 Plus 3D Printer, showcasing its cube frame design and large build volume.

Cube Frame, Ultra Printing

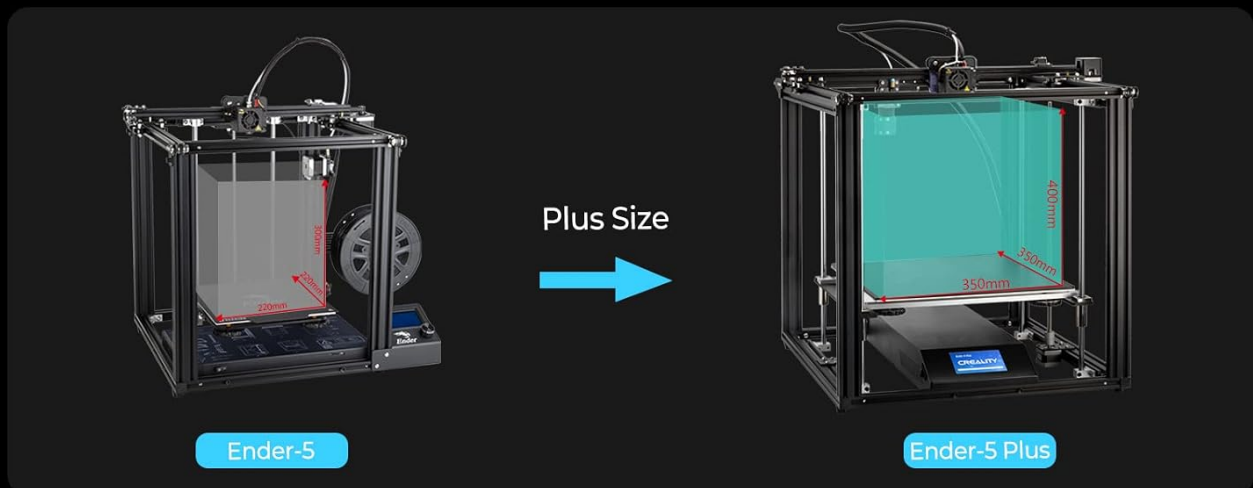
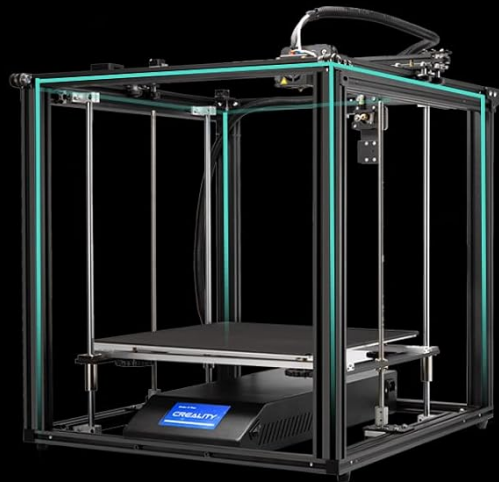


Image: A visual comparison highlighting the larger printing size of the Ender 5 Plus (350x350x400mm) compared to the standard Ender 5.

2. Initial Power-On and Bed Leveling

Once assembled, connect the power cable and turn on the printer. The Ender 5 Plus features an auto bed leveling sensor (CR-Touch) for simplified calibration. Navigate to the 'Leveling' menu on the touch screen to initiate the auto-leveling process.

Auto Bed Leveling

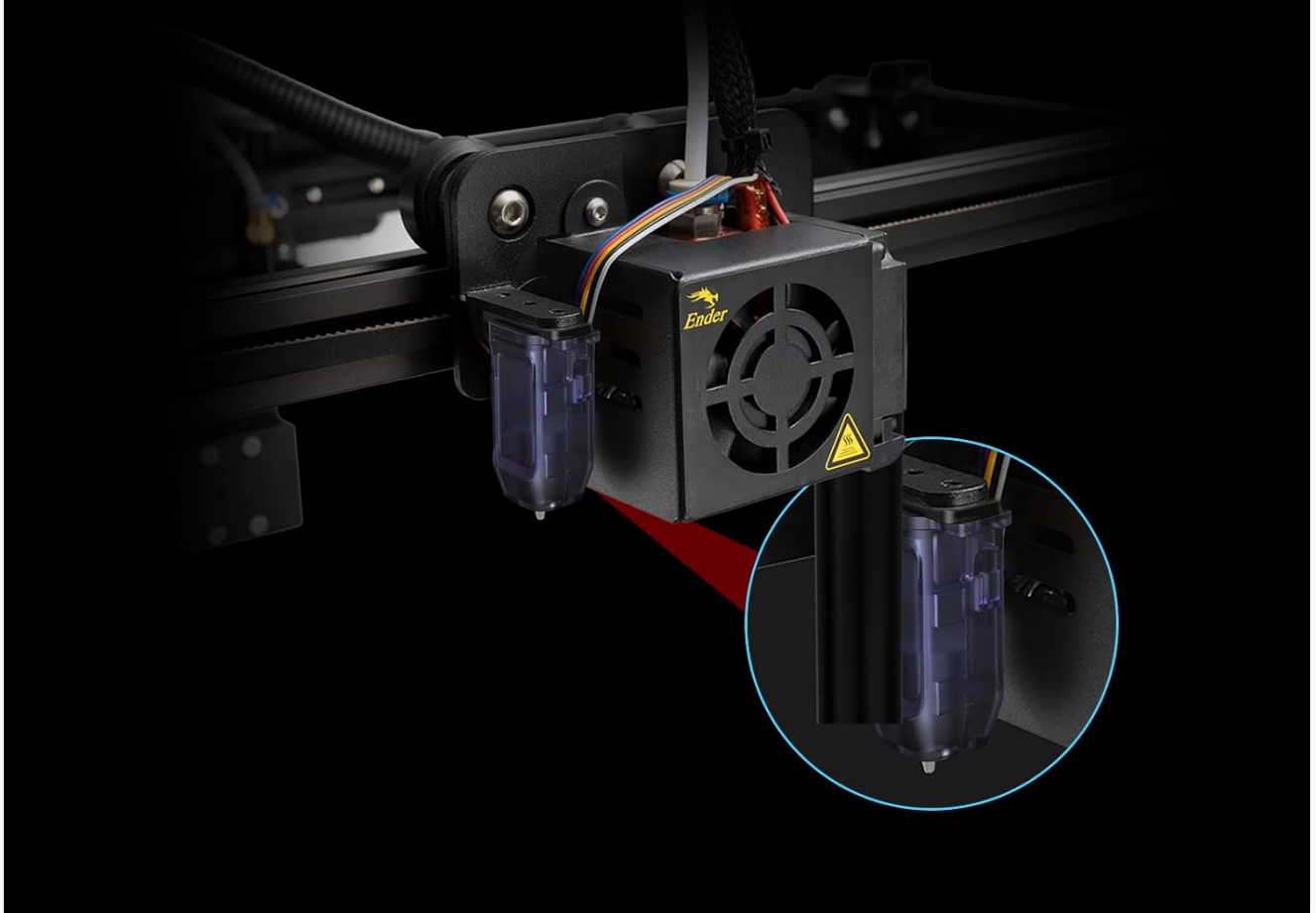


Image: Close-up of the CR-Touch auto bed leveling sensor on the print head, which precisely measures the hot bed surface for Z-axis compensation.

For a visual guide on the assembly process, refer to the official unboxing and installation video:

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Video: Official Creality Ender 5 Plus Unboxing Video. This video provides a step-by-step guide for assembling the printer and preparing it for first use.

OPERATING YOUR PRINTER

1. Loading Filament

Place the filament spool on the holder. Feed the filament through the filament sensor and into the extruder. Use the 'Refuel' option on the touch screen to automatically load the filament until it extrudes from the nozzle.

2. Starting a Print

Prepare your 3D model using a slicing software (e.g., Cura, PrusaSlicer) and save it to the SD card. Insert the SD card into the printer. On the 4.3-inch color touch screen, select 'Print' and choose your desired model from the list. The printer will begin heating up and then start printing.

Easy To Use

4.3Inch
Touch Screen



Removable
Tempered
Glass Plates



Image: The 4.3-inch color touch screen for easy operation and a removable tempered glass plate for convenient model removal.

3. Power Loss Recovery

The Ender 5 Plus features a print resume function. In case of a power outage, the printer will automatically save the print progress. Once power is restored, you can resume printing from where it left off, minimizing material waste and time.

Printing Resume

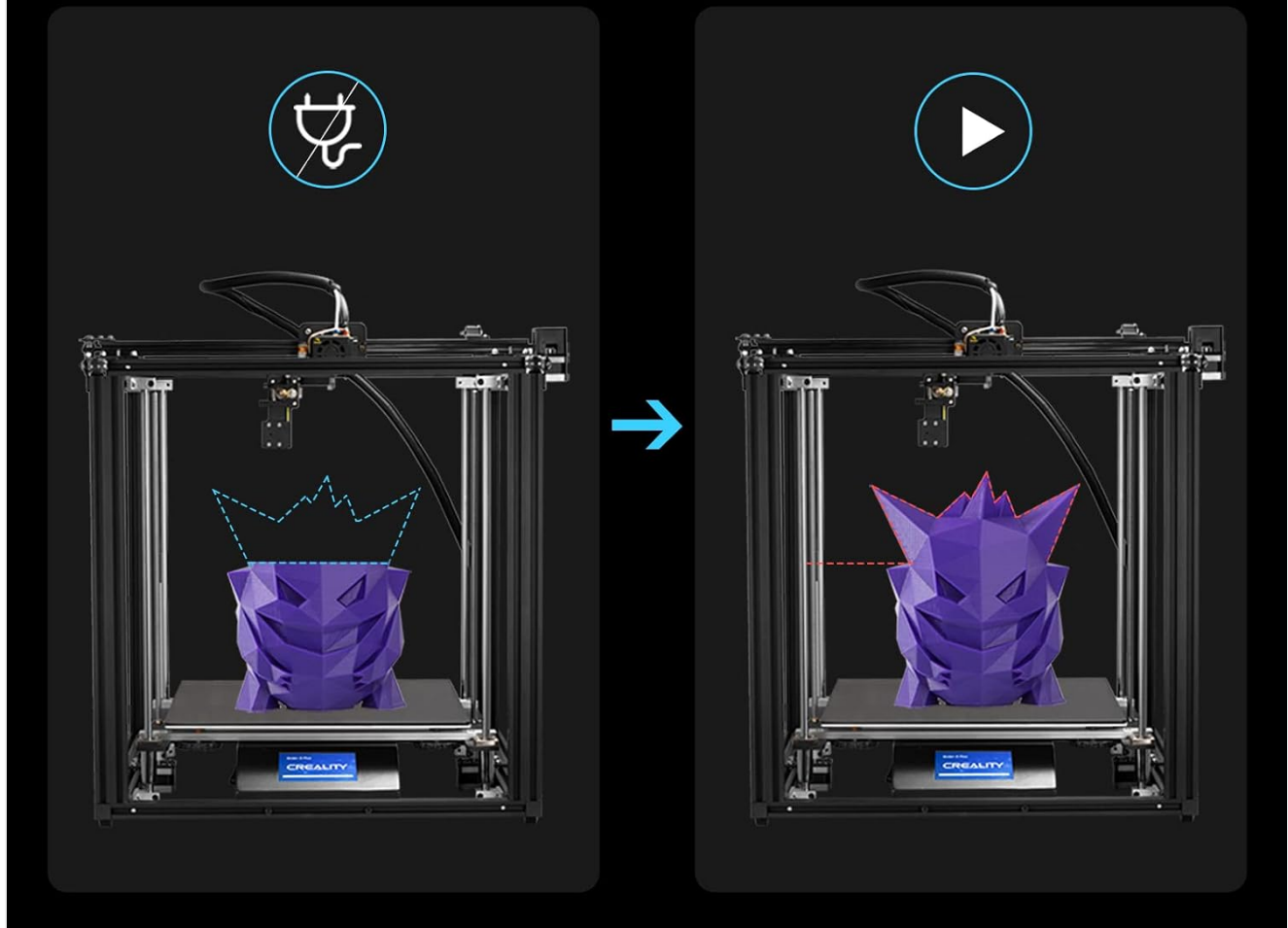


Image: Illustration of the print resume function, showing how the printer can continue a print after an unexpected power interruption.

MAINTENANCE

Regular maintenance ensures the best performance and extends the lifespan of your 3D printer.

- **Clean the Nozzle:** Regularly check for and remove any filament residue from the nozzle.
- **Clean the Build Plate:** After each print, clean the tempered glass plate with isopropyl alcohol to ensure good adhesion for subsequent prints.
- **Lubricate Moving Parts:** Periodically lubricate the Z-axis lead screws and smooth rods to ensure smooth movement.
- **Check Belts:** Ensure the Y-axis belts are properly tensioned. Loose belts can lead to print quality issues.
- **Inspect Wiring:** Periodically check all wiring connections for any signs of wear or looseness.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Filament not extruding	Clogged nozzle, incorrect temperature, tangled filament	Clean nozzle, verify temperature settings, untangle filament
Poor bed adhesion	Unleveled bed, dirty build plate, incorrect bed temperature	Perform auto bed leveling, clean build plate, adjust bed temperature
Layer shifting	Loose belts, print speed too high, motor issues	Check and tighten belts, reduce print speed, inspect motors
Printer is noisy	Loose components, worn bearings, fan noise	Tighten screws, lubricate moving parts, check fan for obstructions

SPECIFICATIONS

- Model:** Ender 5 Plus
- Brand:** Creality
- Printing Technology:** FDM (Fused Deposition Modeling)
- Build Volume:** 350 x 350 x 400 mm
- Product Dimensions:** 20 x 20 x 10 inches
- Item Weight:** 40.1 pounds
- Frame Material:** Metal
- Leveling:** Auto Bed Leveling (CR-Touch)
- Screen:** 4.3-inch Color Touch Screen
- Power Supply:** Strong Power Supply (Heated Bed)
- Safety Features:** Thermal Runaway Protection, Print Resume Function

WARRANTY & SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Creality website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.