SUNLU FDM 3D Printer S8 Pro

SUNLU S8 Pro FDM 3D Printer User Manual

Model: FDM 3D Printer S8 Pro | Brand: SUNLU

1. Introduction

The SUNLU S8 Pro FDM 3D Printer offers a large build volume of 310x310x400mm, enabling the printing of larger objects without batching. It features an upgraded silent motherboard for reduced noise during operation and supports a wide range of FDM printing filaments, including PETG, ABS, TPU, Wood Fiber, Carbon Fiber, and PLA. The printer is pre-assembled for quick installation and includes a resume printing function to recover from power outages or filament run-out.
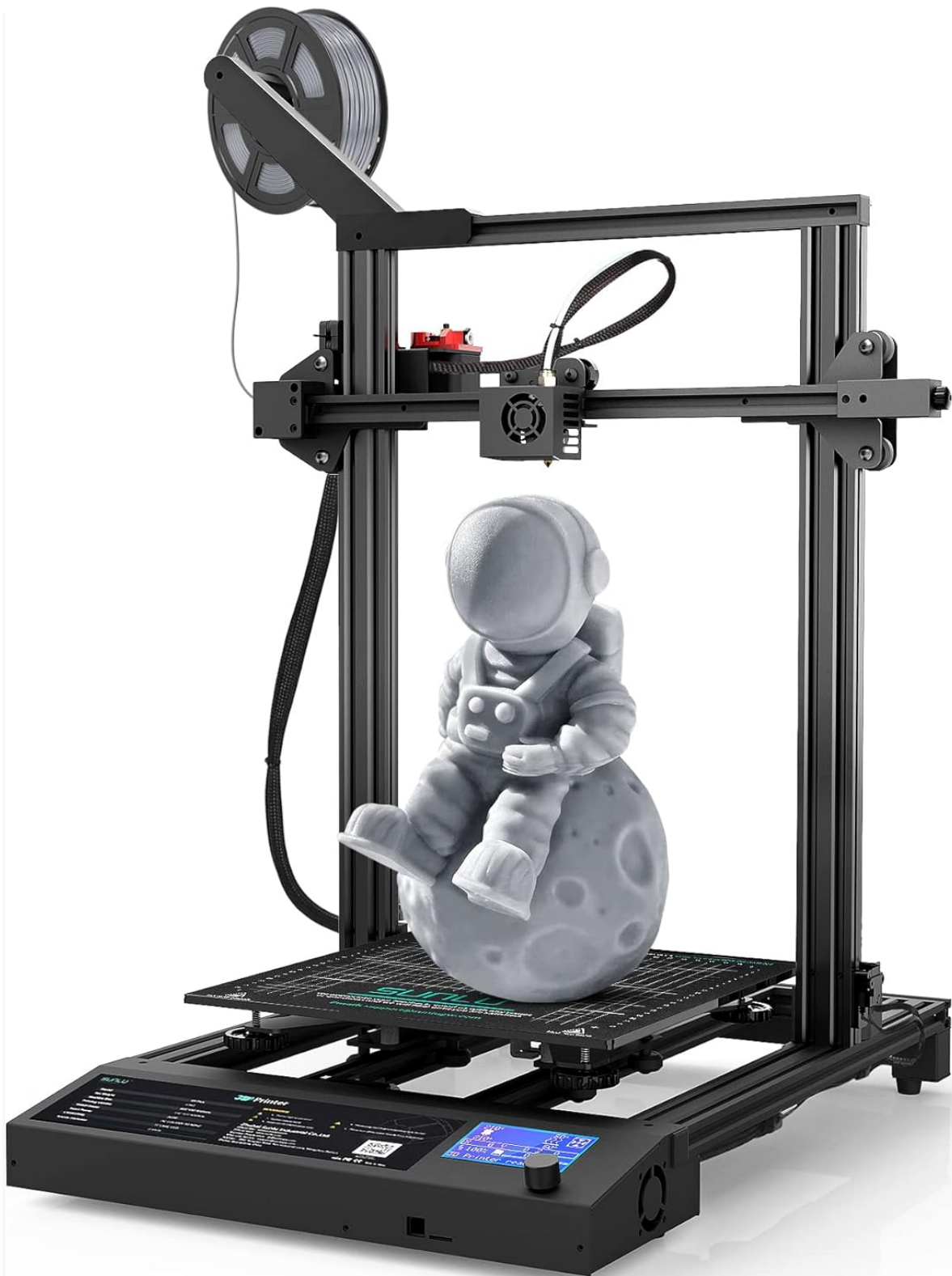
Figure 1: SUNLU S8 Pro FDM 3D Printer.

2. WHAT'S IN THE BOX

- 3D Printer Frame
- 3D Printer Heated Bed
- 3D Printer Power Supply
- Filament Holder
- Tools, Screws and Spare Parts

Figure 2: Included components and accessories for the SUNLU S8 Pro 3D Printer.

3. SETUP

The S8 Pro is largely pre-assembled, simplifying the setup process. Simply fix the gantry to the base and connect the necessary cables.

3.1. Gantry Installation

Attach the pre-assembled gantry to the printer base using the provided screws. Ensure all connections are secure.

Video 1: SUNLU FDM 3D Printer S8 Pro Assembly Process. This video demonstrates the steps for assembling the printer, including attaching the gantry.

3.2. Magnetic Build Surface Installation

The printer comes with a removable magnetic build surface. Ensure it is properly aligned and secured to the heated bed.

Video 2: How to Install the SUNLU 3D Printer Magnetic Build Surface. This video provides a step-by-step guide for installing the magnetic build surface.

3.3. Voltage Selection

Before powering on, verify that the voltage switch on the printer is set to your local voltage (115V or 230V). Incorrect voltage selection can damage the printer.

4. OPERATING THE PRINTER

4.1. Filament Loading

Proper filament loading is crucial for successful prints. The printer features a high-end detection module for real-time filament status.

Video 3: SUNLU FDM 3D Printer S8 Pro Filament Loading Process. This video demonstrates the correct procedure for loading filament into the printer.

4.2. Printing Process

Once the printer is set up and filament is loaded, you can begin your print. The S8 Pro supports resume printing, allowing it to continue a print after a power interruption or filament run-out.

Video 4: SUNLU FDM 3D Printer S8 Pro Printing Process. This video shows the printer in action during a printing operation.
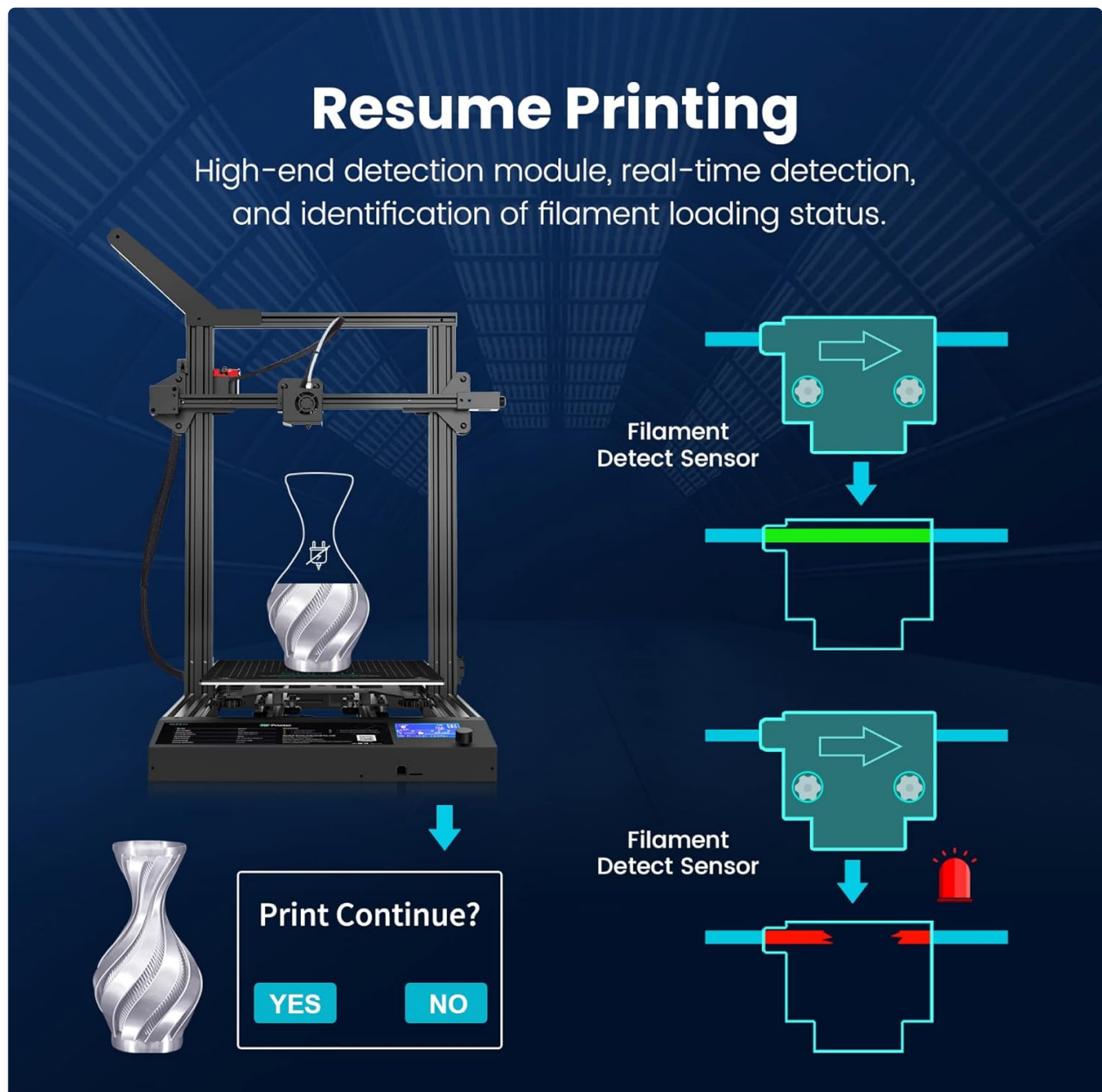
Figure 3: The Resume Printing feature ensures print continuity even after interruptions.

5. Maintenance

5.1. Nozzle Replacement

Regular maintenance, such as nozzle replacement, is essential for optimal print quality and longevity of your printer.

Video 5: SUNLU FDM 3D Printer S8 Pro Nozzle Replacement Process. This video demonstrates how to safely replace the printer nozzle.

6. Troubleshooting

For common issues, refer to the official user manual (PDF) provided with your product. SUNLU also offers proper after-sales support for technical assistance.

- **Thermal Runaway Error:** This indicates a problem with the heating element or thermistor. Discontinue use and contact support.
- **Noisy Operation:** The S8 Pro features a silent motherboard. If excessive noise occurs, check for loose components or motor issues.
- **Poor Adhesion:** Ensure the print bed is properly leveled and clean. Adjusting the Z-offset may also be necessary.
- **Filament Clogging:** Verify the nozzle temperature is appropriate for the filament type and ensure the filament path is clear.

7. Specifications

Feature	Specification
Printing Size	310x310x400mm
Printer Size	600x490x600mm (23.62"D x 19.29"W x 25.2"H)
Net Weight	23.8 pounds (approx. 10.8 kg)
Connecting	TF card, PC (USB)
Printing Speed	20-100mm/s
Hot Bed Heating Temperature	0-100℃
Power Specifications	115V/230V AC, 50/60HZ
Nozzle Specifications	One nozzle, 0.4mm (compatible: 0.4mm-0.8mm)
Material	Aluminum
Color	S8 Pro Black

8. Warranty and Support

SUNLU provides comprehensive after-sales support for its products. For any issues or inquiries, please refer to the official user manual (PDF) or contact SUNLU directly through their official channels. Information

regarding specific warranty terms and conditions can typically be found within the product packaging or on the manufacturer's website.

For additional resources, you may visit the SUNLU Store on Amazon.

Related Documents - FDM 3D Printer S8 Pro

	SUNLU S8 Pro 3D Printer User Guide Comprehensive user guide for the SUNLU S8 Pro 3D printer. Learn about setup, operation, printing techniques, troubleshooting, and product specifications for this FDM 3D printer.
	SUNLU T3 3D Printer User Guide - Setup, Operation, and Troubleshooting Comprehensive user guide for the SUNLU T3 3D printer, covering setup, installation, interface functions, leveling, filament loading, slicing software (Cura), printing, troubleshooting (FAQ), and after-sales service.
	SUNLU FilaDryer S2: User Manual and Guide for Filament Drying Comprehensive user manual for the SUNLU FilaDryer S2, detailing setup, operation, personalized settings, troubleshooting, and tips for optimal 3D printing filament drying. Learn how to dry PLA, PETG, ABS, and more.
	SUNLU FilaDryer S4 3D Printing-Mate User Guide Comprehensive user guide for the SUNLU FilaDryer S4, a 3D printing mate designed for filament drying. Learn about product parts, usage steps, touch screen operation, packing list, and temperature references.
	SUNLU FilaDryer S4 User Guide - 3D Printing Filament Dryer Comprehensive user guide for the SUNLU FilaDryer S4, a 3D printing filament dryer. Learn about setup, operation, troubleshooting, and recommended drying temperatures for various filament types.
	SUNLU FilaDryer S2 3D Printing Filament Dryer User Manual User manual for the SUNLU FilaDryer S2, a 3D printing filament dryer designed to improve print quality by drying filament. Includes specifications, operation guide, and troubleshooting.