

SUNLU Not applicable-6714159

SUNLU FilaDryer S1 Plus User Manual

Comprehensive guide for setup, operation, and maintenance of your SUNLU FilaDryer S1 Plus.

INTRODUCTION

The SUNLU FilaDryer S1 Plus is an essential accessory for 3D printing enthusiasts, designed to efficiently dry 3D printer filaments. This device helps remove moisture from hygroscopic filaments, which can significantly improve print quality, prevent stringing, clogging, and poor layer adhesion. It functions both as a drying unit and a convenient filament holder, allowing you to print directly from the dried material.



Figure 1: Front view of the SUNLU FilaDryer S1 Plus, showcasing its transparent lid and integrated display.

PRODUCT OVERVIEW AND KEY FEATURES

The FilaDryer S1 Plus is engineered for versatility and ease of use. It can handle various filament types, from common PLA to highly hygroscopic materials like Nylon and BVOH. Its design incorporates features that ensure optimal drying and seamless integration into your 3D printing workflow.

- **Efficient Drying System:** Effectively removes moisture from a wide range of 3D printing filaments.
- **Precise Temperature Control:** Allows users to set specific drying temperatures suitable for different filament materials.
- **Dual Spool Capacity:** Capable of drying up to two standard filament spools simultaneously.
- **Direct Printing Capability:** Designed with smooth rollers and filament output holes, enabling continuous printing while the filament is being dried.
- **Built-in Fan:** Ensures even heat distribution and consistent temperature balance inside the drying chamber.
- **Timer Function:** Allows setting a specific drying duration for automated operation.

- Built-in fan to adjust the temperature inside the box
- Ensure the temperature balance in the box



Figure 2: Overview of key features including multi-coil compatibility, adjustable temperature, rapid heating, and timer function.



Figure 3: Side profile of the FilaDryer S1 Plus, illustrating its compact and functional design.

SETUP GUIDE

1. **Unpacking:** Carefully remove the FilaDryer S1 Plus from its packaging. Verify that all components are present: the dryer unit, power adapter, and this user manual.
2. **Placement:** Position the dryer on a stable, flat, and heat-resistant surface. Ensure it is placed in a well-ventilated area, away from direct sunlight, excessive humidity, and other heat sources.
3. **Power Connection:** Connect the provided power adapter to the DC input port on the back of the FilaDryer S1 Plus. Then, plug the adapter into a standard electrical outlet.
4. **Loading Filament:** Open the transparent top lid. Place one or two filament spools onto the internal rollers. Ensure the filament unwinds smoothly from the spool. The rollers are designed to facilitate easy rotation during drying and printing.
5. **Routing Filament (for direct printing):** If you intend to print directly from the dryer, guide the filament through one of the designated output holes located on the side or top of the unit. Ensure the filament path is clear and free of obstructions.

OPERATING INSTRUCTIONS

Powering On/Off

To power on the FilaDryer S1 Plus, press and hold the power button (usually located near the display) for a few seconds until the screen illuminates. To power off, press and hold the same button until the display turns off.

Setting Temperature

Use the control buttons (typically labeled '+' and '-') to adjust the desired drying temperature. The display will show the current temperature (PV) and the set temperature (SV). Refer to the filament manufacturer's recommendations for optimal drying temperatures. Common temperature ranges include:

- **PLA:** 45-50°C
- **PETG:** 55-60°C
- **ABS:** 60-65°C
- **Nylon:** 70-80°C
- **PVA/BVOH:** 60-70°C

Setting Timer

Press the timer button (if available) and use the '+' and '-' buttons to set the desired drying duration. Drying times can vary significantly based on filament type, initial moisture content, and ambient humidity. Typical drying times range from 2 to 6 hours, but heavily saturated filaments may require longer.

FilaDryer S1 Plus

3D PRINTING-MATE

Drying while printing to improve your 3D model.



Compatible
With Multiple Coil



Temperature
Adjustable



Heats Up
Quickly And Evenly



Timer Function



271*100*237 mm
Product Size

Figure 4: The FilaDryer S1 Plus display showing current temperature and humidity readings.

Drying Process and Monitoring

Once the temperature and timer are set, the dryer will begin its heating cycle. The built-in fan actively circulates warm air to ensure uniform drying throughout the filament spool. Monitor the display for current temperature and humidity readings (if applicable) to ensure optimal conditions are maintained.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your FilaDryer S1 Plus.

- **Exterior Cleaning:** Regularly wipe the exterior surfaces of the dryer with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the plastic.

- **Internal Cleaning:** Periodically inspect the inside of the drying chamber for any dust, filament debris, or residue. If necessary, gently clean with a soft brush or a can of compressed air. **Always ensure the device is unplugged from the power outlet before performing any internal cleaning.**
- **Storage:** When the FilaDryer S1 Plus is not in use for extended periods, store it in a cool, dry environment, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

This section addresses common issues you might encounter with your FilaDryer S1 Plus.

Problem	Possible Cause	Solution
Dryer not turning on	No power supply; loose power connection; faulty outlet.	Check if the power cable is securely plugged into both the dryer and the electrical outlet. Test the outlet with another device. Ensure the power button is pressed correctly.
Filament not drying effectively	Incorrect temperature setting; insufficient drying time; lid not properly closed; extremely high ambient humidity.	Increase the drying temperature or extend the drying time. Ensure the transparent lid is fully closed and sealed. Consider pre-drying heavily saturated filaments for longer durations.
Filament snagging or not feeding smoothly	Improper spool placement on rollers; tangled filament on spool; obstruction in output hole.	Ensure the filament spool is correctly seated on the internal rollers and rotates freely. Untangle any knots or overlaps on the filament spool. Check the filament output hole for any debris.

TECHNICAL SPECIFICATIONS

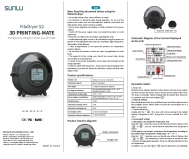





Specification	Detail
Package Dimensions	28.4 x 26.8 x 10.5 cm
Item Weight	1.19 kilograms
Manufacturer	Sunlu
ASIN	B08259X5S5
Manufacturer Reference	Not applicable-6714159

WARRANTY AND SUPPORT

For detailed warranty information, terms, and conditions, please refer to the warranty card or documentation included with your SUNLU FilaDryer S1 Plus purchase. In case of technical issues, questions, or to request support, please contact SUNLU customer service through their official website or the contact information provided in your product packaging. Please have your purchase receipt and product model number (Not applicable-6714159) ready when contacting support.



Related Documents - Not applicable-6714159

	<p>SUNLU FilaDryer S2: User Manual and Guide for Filament Drying</p> <p>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.</p>
	<p>SUNLU FilaDryer S4 3D Printing-Mate User Guide</p> <p>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.</p>
	<p>SUNLU FilaDryer S4 Uživatelská Příručka: Návod k Použití a Údržbě</p> <p>Kompletní uživatelská příručka pro sušičku filamentů SUNLU FilaDryer S4. Zjistěte, jak efektivně sušit 3D tiskové vlákno, jaké jsou provozní parametry a jak řešit běžné problémy. Obsahuje bezpečnostní pokyny a doporučené nastavení.</p>
	<p>SUNLU FilaDryer S4 User Guide - 3D Printing Filament Dryer</p> <p>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.</p>
	<p>SUNLU 3D Printing Filaments, Resins, and Accessories Catalog</p> <p>Explore the comprehensive SUNLU product catalog featuring a wide range of 3D printing filaments, photopolymer resins, auxiliary electronics, 3D printing pens, and accessories. Detailed specifications, product characteristics, and printing parameters are provided for each item.</p>
	<p>SUNLU FilaDryer S2 User Guide - Filament Drying and Storage</p> <p>Comprehensive user guide for the SUNLU FilaDryer S2, detailing its features for drying and storing 3D printing filaments. Includes setup, operation, and maintenance instructions.</p>



SUNLU FilaDryer S1 Plus

Model: 20731 Producent: Sunlu kod producenta: Not applicable-0714339

Cena: 350.24 zł

Opis

SUNLU FilaDryer S1 Plus

Producent: Sunlu

SUNLU FilaDryer to innowacyjne rozwiązanie dla każdego miłośnika druku 3D. Urządzenie to umożliwia wygodne i szybkie przygotowanie dowolnego filamentu do drukowania poprzez precyzyjną kontrolę temperatury oraz skuteczne wypróżnianie materiału.

FilaDryer S1 Plus został zaprojektowany tak, aby obsługiwał każdy rodzaj filamentu, od standardowego PLA po wymagające higroskopijne materiały, takie jak BVOH i Nylon. Dzięki temu możesz osiągnąć optymalną wydajność i jakość wydruku przy minimalnym ryzyku zanieczyszczenia lub uszkodzenia materiału.

W zestawie znajduje się suwaczka do filamentu oraz suwaczka. Dzięki wielofunkcyjnym kontrolom (filamentu wchładcze powietrze) kontrolnemu urządzenie to sprawdzi się zarówno w domowych warunkach, jak i w profesjonalnych pracowniach. Zainwestuj w SUNLU FilaDryer i z pewnością będziesz cieszyć się doskonałymi wynikami druku 3D!

- System suszenia Sunlu FilaDryer S1 Plus to urządzenie, które umożliwia wygodne i szybkie przygotowanie dowolnego filamentu do drukowania
- Wykazuje filament dla optymalnej wydajności
- FilaDryer S1 Plus został zaprojektowany do obsługi każdego rodzaju materiału, od PLA po wymagające higroskopijne materiały, takie jak BVOH i Nylon
- Precyzyjna kontrola temperatury
- Zużycie w czasie
- zawartość komponenty 1 x suwaczka do filamentu
- waga opakowania produktu 1,23 kilogram
- producent: Sunlu
- marka: SUNLU
- distancja całkowitej długości przewodu 40 cm, 100 cm, 150 cm
- opis: Innowacyjne rozwiązanie dla każdego miłośnika druku 3D
- nazwa producenta: SUNLU FilaDryer S1 Plus
- liczba produktów: 1
- numer c.p.g. 602 Not applicable-0714339

Parametry

[SUNLU FilaDryer S1 Plus: Innowacyjna Suszarka do Filamentu 3D](#)

Poznaj SUNLU FilaDryer S1 Plus, urządzenie do druku 3D, które zapewnia wygodne i szybkie przygotowanie filamentu. Oferuje precyzyjną kontrolę temperatury i skuteczne suszenie materiałów higroskopijnych, takich jak PLA, BVOH i Nylon, gwarantując optymalną jakość wydruku.

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