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ELEGOO Saturn 2 and Saturn 3 Resin Tank

ELEGOO Metal Resin Tank User Manual

Model: Saturn 2 and Saturn 3 Resin Tank

Brand: ELEGOO

Introduction

This manual provides essential information for the proper use and maintenance of your ELEGOO Metal Resin Tank, designed specifically for the Saturn 2 and Saturn 3 Resin 3D Printers. This durable resin vat comes with a FEP film pre-installed, ensuring readiness for immediate use.
The metal construction offers enhanced durability compared to standard resin vats, reducing the frequency of replacements. Its design facilitates easy assembly and replacement, and includes a protective lid to shield resin from dust, UV light, and direct sunlight when not in use.

Product Overview



Front and back view of the ELEGOO Metal Resin Tank, highlighting its robust design and pre-installed FEP film.



The ELEGOO Metal Resin Tank shown with the included hex wrenches and screws for installation and maintenance.

Setup

1. **Unpacking:** Carefully remove the resin tank from its packaging. Inspect for any visible damage.
2. **FEP Film:** The FEP film is pre-installed. Ensure it is taut and free of wrinkles or damage before use.
3. **Installation:** Place the resin tank onto the designated slot on your ELEGOO Saturn 2 or Saturn 3 3D printer. Secure it in place using the neat screws provided, ensuring a firm fit.
4. **Protection:** Utilize the included lid to cover the resin tank when not actively printing. This protects the resin from dust and ambient UV light, preserving its quality.

Operating Instructions

- **Resin Compatibility:** This resin tank is compatible with all types of resin designed for MSLA 3D printing.

- **Filling the Tank:** Pour your desired resin into the tank, ensuring not to exceed the maximum fill line indicated on the tank.
- **Printing:** Once the tank is filled and properly installed, proceed with your 3D printing operations according to your printer's specific instructions.
- **Multiple Resins:** Having multiple resin vats allows for quicker resin color changes without the need for immediate cleaning, enhancing your printing efficiency.
- **FEP Protection:** The design includes feet on the bottom of the vat to prevent the FEP film from directly contacting your workbench, reducing the risk of damage.

Maintenance

- **Cleaning:** After use, carefully pour any remaining resin back into its original bottle using a filter. Clean the tank with isopropyl alcohol (IPA) and a soft cloth. Avoid using abrasive materials that could scratch the FEP film or the tank.
- **FEP Film Replacement:** While the FEP film is pre-installed, it is a consumable part and will eventually need replacement. The anodized aluminum construction of the vat is designed for long-term usage, allowing for multiple FEP film replacements. Replacement typically takes about 15 minutes using a hex wrench. Numerous online video tutorials are available for guidance on replacing the FEP film on ELEGOO Saturn series resin vats.
- **Storage:** When storing the tank with resin, ensure the lid is securely in place to prevent dust contamination and exposure to light. Store in a cool, dark place.

Troubleshooting

Issue	Possible Cause	Solution
Resin curing in tank when not printing	Exposure to UV light or direct sunlight.	Always use the provided lid when the tank is not in use. Store the printer and resin in a dark environment.
FEP film appears loose or damaged	Normal wear and tear, or accidental damage.	Replace the FEP film. Refer to online tutorials for detailed instructions. Ensure proper tension during installation.
Tank not fitting correctly on printer	Incorrect model tank or improper alignment.	Verify that you have the correct resin tank for your specific ELEGOO Saturn 2 or Saturn 3 model. Ensure proper alignment and secure all screws.

Specifications

- **Dimensions:** 292.8 x 172.4 x 33 mm (11.53 x 6.79 x 1.3 inches)
- **Weight:** Approximately 2.2 Pounds (1 kg)
- **Material:** Anodized Aluminum
- **Film Type:** FEP (Fluorinated Ethylene Propylene)
- **Compatibility:** ELEGOO Saturn 2 and Saturn 3 Resin 3D Printers
- **Manufacturer:** ELEGOO
- **First Available:** May 10, 2022

What's in the Box

- 1 x ELEGOO Metal Resin Tank (with FEP pre-installed)
- 1 x Protective Lid
- Necessary installation tools (e.g., hex wrenches, screws)

Warranty and Support

ELEGOO stands behind the quality of its products. This Metal Resin Tank is manufactured by ELEGOO. For specific warranty details, please refer to the official ELEGOO website or contact their customer support.
Return Policy: Products purchased from ELEGOO Official US are typically eligible for a 30-day return policy. Please check your purchase details for exact terms.
Customer Support: For technical assistance, troubleshooting, or inquiries regarding your ELEGOO product, please visit the official ELEGOO store or contact ELEGOO customer service directly. You can find more information and contact options on the ELEGOO Brand Store.
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