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Unifomation Resin Vat 10.3

Unifomation Resin Vat Instruction Manual

FOR UNIFOMATION GKtwo 10.3" 8K RESIN PRINTER

Introduction

This manual provides essential information for the proper use and maintenance of your Unifomation Resin Vat, designed as a direct replacement and accessory for the Unifomation GKtwo 10.3" 8K Resin Printer series. This resin vat is engineered for seamless integration and efficient resin management, enhancing your 3D printing workflow.



Image: The Unifomation Resin Vat, a black rectangular container with a clear film bottom, shown with its protective lid.

Setup

- Compatibility Check:** Ensure your resin vat is compatible with the Unification GKtwo 10.3" Printer. This specific model is designed for direct fitment.
- Unpacking:** Carefully remove the resin vat from its packaging. Inspect for any visible damage during transit.
- Initial Cleaning:** Before first use, ensure the resin tray and the FEP (Fluorinated Ethylene Propylene) film at the bottom are clean and free of dust or debris. Use a soft, lint-free cloth and isopropyl alcohol if necessary.
- Installation:** The Unification Resin Vat features a quick-release design. Simply slide the vat into the designated slot on your GKtwo printer until it is securely seated. No screwing is required for installation, saving time and effort.



Image: The Unification Resin Vat positioned next to a Unification GKtwo 3D printer, illustrating its intended use.

Quick Release Design

--No more screwing, saving time



Image: A gloved hand demonstrating the quick-release design by sliding the resin vat into the printer's bay.

Operating

- **Resin Filling:** The maximum capacity of the resin vat is 700g. For optimal printing, it is suggested to pour at least 600g of resin for each print job. Do not overfill the vat.
- **Resin Information Label:** A dedicated label area is provided on the vat's lid. Utilize this space to write down important resin information, such as type, color, and date of first use, to prevent mix-ups and ensure proper resin management.
- **Protective Lid:** An extra lid is provided with the resin vat. Always use this lid when the vat is not in use or when storing resin. This caring design helps to keep away dust, block UV light sources, and protect the resin from direct sunlight, preventing premature curing and contamination.

Dust-proof and Odor-proof

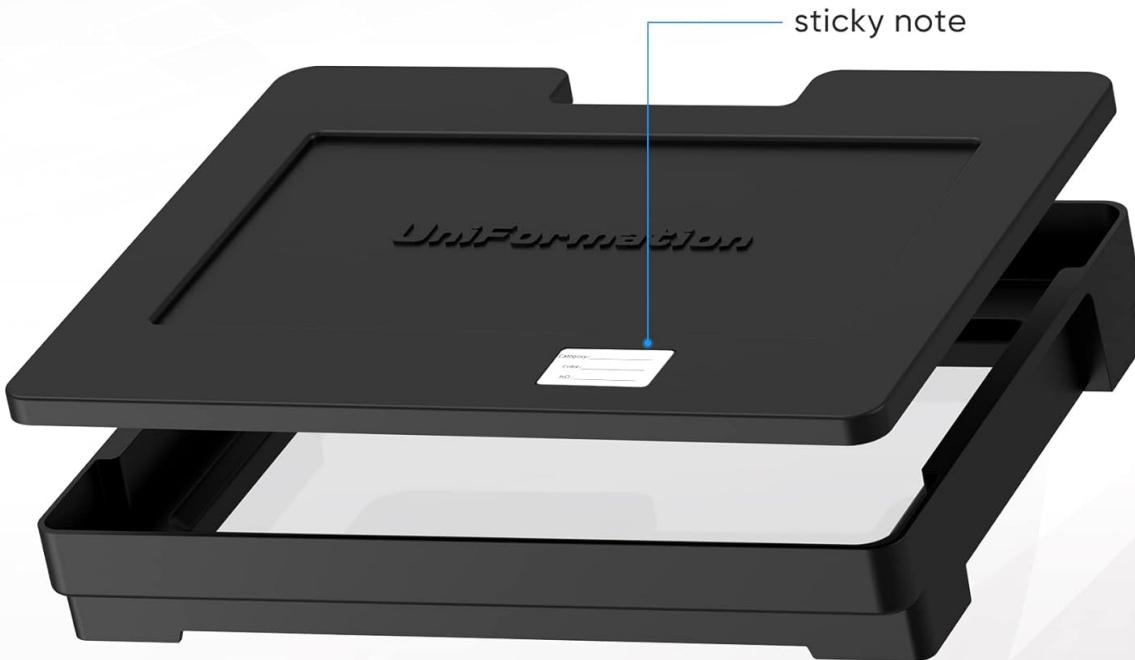


Image: The UniforMATION Resin Vat with its lid, highlighting its dust-proof and odor-proof features and the sticky note area for resin information.

Maintenance

- **Cleaning the Vat:** After printing, if you intend to change resin types or store the vat empty, carefully pour any remaining resin back into its original bottle using a filter. Clean the vat thoroughly with isopropyl alcohol and a soft cloth. Avoid abrasive materials that could scratch the FEP film.
- **FEP Film Care:** The FEP film is a consumable part. Inspect it regularly for damage, punctures, or excessive cloudiness. If the film is damaged, it must be replaced to prevent resin leaks and ensure successful prints. Refer to your printer's manual or UniforMATION's support resources for FEP film replacement instructions.
- **Storage:** When not in use, always cover the resin vat with the provided lid to protect the FEP film and any remaining resin from dust and UV light. Store in a cool, dark place.

Stable and Durable

--inner made of aluminum alloy,
outside made of corrosion resistant plastic



Image: The Unimotion Resin Vat disassembled, illustrating its stable and durable construction with an inner aluminum alloy frame and corrosion-resistant plastic exterior.

Troubleshooting

- Resin Leaks:** If you observe resin leaking from the vat, immediately stop printing. Check the FEP film for tears or improper installation. Ensure the FEP film is properly tensioned and the frame screws (if applicable for FEP replacement) are tightened correctly.
- Resin Curing in Vat:** If resin cures prematurely in the vat, ensure the vat is not exposed to direct sunlight or strong UV light sources when not in use. Always use the protective lid.
- Print Adhesion Issues:** Poor print adhesion to the build plate can sometimes be related to the FEP film. Ensure the FEP film is clean and free of cured resin particles. Check for proper tension and replace if it appears cloudy or damaged.

Specifications

Feature	Detail
Product Model	Resin Vat 10.3

Compatibility	Unifomation GKtwo 10.3" Printer
Product Dimensions (L x W x H)	299mm x 239mm x 46mm (approx. 11.8 x 9.4 x 1.8 inches)
Maximum Resin Capacity	700g
Suggested Minimum Resin	600g
Item Weight	2.57 pounds
Material	Aluminum alloy (inner frame), Corrosion-resistant plastic (outer)
Special Features	Quick Release Design, Dust-proof/UV-blocking Lid, Resin Information Label Area



Image: The Unifomation Resin Vat with its key dimensions (length, width, height) clearly indicated.

Customer Support

Should you have any questions or require assistance with your Unifomation Resin Vat, please do not hesitate to contact our customer service team. We are committed to providing a satisfactory response within 24 hours.

For further support, visit the official Uniformation website or refer to the contact information provided with your original printer purchase.

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