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› Creality Wash and Cure Station UW-01 Instruction Manual

Creality UW-01

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Model: UW-01 | Brand: Creality

1. INTRODUCTION

The Creality Wash and Cure Station UW-01 is an all-in-one solution designed for post-processing resin 3D prints. This versatile machine combines both washing and UV curing functionalities, streamlining your workflow and ensuring high-quality finished models. It is compatible with most LCD, DLP, and SLA resin 3D printers.



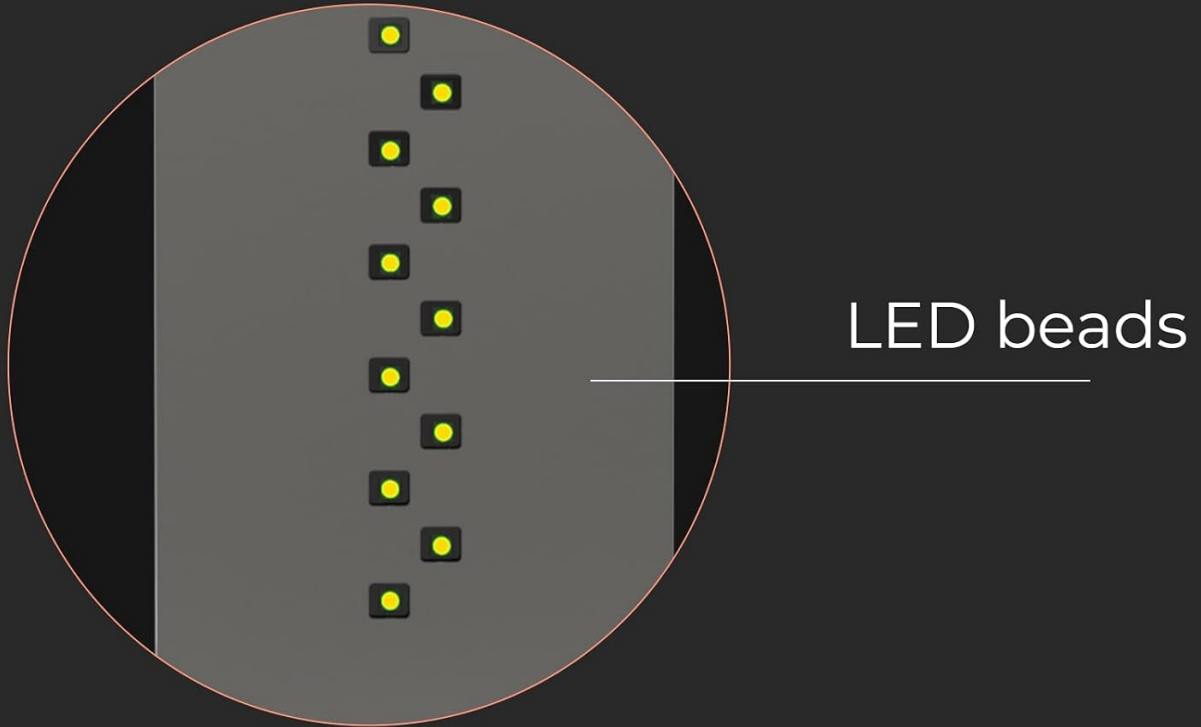
Image: The Creality Wash and Cure Station UW-01, showcasing its dual functionality for washing and curing resin 3D prints.

2. PRODUCT FEATURES

- **Double-Row UV Lamp Beads & 360° Rotating Platform:** Equipped with 18 UV LED lights in a double-row, 9-bead design, ensuring quick and even curing for models up to $\phi 165 \times 200 \text{mm}$. The 360° curing tray with magnetic force and a reflective mirror maximizes light exposure from all angles.

Faster and Evenly Cure

18 pieces of UV LED lights,
double-row and double-band UV lamp beads



405nm + 385nm
9 pieces 9 pieces

Image: Illustration of the 18 UV LED beads arranged in double rows for efficient and uniform curing.

- **LED HD Touch Button Control:** Features a user-friendly touch-sensitive panel with a large LED screen for easy operation. A safety mechanism automatically suspends curing if the machine cover is removed, preventing UV light exposure.

Premium Experience

LED HD touch button and LED large-size screen



Image: Detailed view of the intuitive LED HD touch button interface on the Creality UW-01.

- **All-in-One Wash and Cure Functionality:** Supports a seamless one-step post-processing workflow for resin models, combining washing and curing in a single unit.

Washing and Curing Machine, Fewer Worries About Postprocessing

It's a feature of the washing and curing



Strong wash

The electromagnetic propeller moves to stir the alcohol and wash the uncured resin



UV cure

The printed objects have soft texture. The UV light treatment gives them excellent surface properties

Image: Visual representation of the washing and curing processes, highlighting the all-in-one capability.

- **Large-Size Sealed Washing Container:** The washing container measures 190x154x200mm, accommodating

larger models. Its sealed design prevents cleaning solution volatilization and allows for repeated use of the solution.

Larger Size Sealed Washing Container

Washing container size



Image: The large washing container with its dimensions, emphasizing its capacity and sealed design.

- **Multiple Washing Modes & Self-Adjustable Bracket:** Offers effective and diverse washing modes, suitable for various resin printing platforms. The flexible z-axis allows adjustment to fit the model with the water level.

3. COMPONENTS AND WHAT'S IN THE BOX

The Creality Wash and Cure Station UW-01 comes with the following components:

Product List



Image: An exploded view diagram illustrating all parts and accessories included with the Creality UW-01.

Component	Description
Machine Body	Main unit with control panel and UV light tower.
Protective Cover	Orange UV-blocking cover for safety during curing.
Washing Container	Transparent container for holding cleaning solution.
Washing Container Cover	Lid for the washing container to prevent evaporation.
Washing Basket	Metal basket for washing prints without the build plate.
Bracket	Adjustable bracket for hanging the build plate during washing.
Light Curing Platform	Rotating mirrored platform for UV curing.
Hexagon Wrench	Tool for assembly or adjustments.
Spare Stainless Steel Bearing	Replacement bearing for the washing mechanism.
Power Adapter	Power supply unit.
Power Cord	Cable to connect the power adapter to the mains.
User Manual	Printed instruction guide.
Product Certificate	Certification document.
After-sales Service Card	Information for customer support.

4. SETUP

Follow these steps to set up your Creality Wash and Cure Station UW-01:

1. **Unpack Components:** Carefully remove all items from the packaging and verify against the components list.
2. **Assemble Washing Container:** Place the washing basket inside the washing container. If using the adjustable bracket for washing with the build plate, ensure it is properly positioned.
3. **Connect Power:** Connect the power adapter to the machine body and then plug the power cord into a suitable power outlet.
4. **Fill with Cleaning Solution:** Fill the washing container with an appropriate cleaning solution for resin prints, such as isopropyl alcohol (IPA). Ensure the solution level is sufficient to cover your prints.

Your browser does not support the video tag.

Video: Official setup and washing demonstration for the Creality Wash and Cure Station UW-01.

5. OPERATING INSTRUCTIONS

5.1. Washing Mode

The washing mode effectively removes uncured resin from your 3D prints. There are two primary methods:

- **Wash without Build Plate:** Remove the printed model from the build plate and place it directly into the washing basket.
- **Wash Together with Build Plate:** Keep the printed model attached to the build plate. Hang the build plate onto the adjustable bracket within the washing container.

Two Methods of Print Washing

The model can be washed separately in the washing basket or together with bottom plates

Strong Wash Mode

Electromagnetic propeller + large-size washing container



Wash without Build Plate

Remove the print from the build plate, and dunk it in the basket to wash.



Wash Together with Build Plate

Don't remove the print from the build plate. Hang them on the rack of basket to wash.

Image: Visual guide demonstrating both washing methods: placing prints directly in the basket or hanging the build plate with the print.

Operation Steps:

1. Place the washing container with your print(s) onto the machine base.
2. Ensure the anti-UV lid is securely placed over the washing container.
3. Press the 'ON/OFF' button to power on the machine.
4. Press the 'Mode' button until 'Wash' is selected.
5. Use the 'Speed' button to select 'Quick' or 'Normal' washing speed.
6. Use the 'Time' button to set the desired washing duration (2-90 minutes optional).
7. Press the 'Start' button to begin the washing process. The machine will automatically stop when the timer runs

out.

5.2. Curing Mode

The curing mode uses UV light to fully harden your resin prints, enhancing their strength and surface finish.



Image: The curing process, showing the 360-degree rotating platform and UV light tower for comprehensive curing.

Operation Steps:

1. Remove the washing container and place the light curing platform onto the machine base.
2. Place your washed and dried resin print(s) on the light curing platform.
3. Ensure the anti-UV lid is securely placed over the machine.
4. Press the 'ON/OFF' button to power on the machine.
5. Press the 'Mode' button until 'Cure' is selected.
6. Use the 'Speed' button to select 'Normal' curing speed. (Avoid 'Quick' speed for curing as it may cause prints to fly off the platform).
7. Use the 'Time' button to set the desired curing duration (2-90 minutes optional).
8. Press the 'Start' button to begin the curing process. The machine will automatically stop when the timer runs out.

Your browser does not support the video tag.

Video: A brief demonstration of the Creality Wash and Cure Station UW-01 in action, focusing on the curing process.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Wash and Cure Station:

- **Cleaning the Washing Container:** Periodically clean the washing container and basket to remove accumulated resin residue. The sealed design allows for storing and reusing cleaning solution, but it should be filtered or replaced when heavily contaminated.
- **Cleaning the Curing Platform:** Wipe the mirrored curing platform with a soft cloth and IPA to maintain its reflectivity and ensure even curing.
- **General Cleaning:** Keep the exterior of the machine and the anti-UV cover clean from dust and resin splashes. Use a soft, dry cloth. Avoid abrasive cleaners.
- **Storage:** When not in use, store the machine in a cool, dry place away from direct sunlight. Ensure the washing container is sealed to prevent evaporation of the cleaning solution.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not power on.	Power cord not connected properly; power outlet issue.	Check power connections. Try a different power outlet.
Washing mechanism not stirring.	Magnetic stirrer not properly seated; foreign object obstructing.	Ensure the magnetic stirrer is correctly placed at the bottom of the container. Check for any obstructions.
Prints not cleaning effectively.	Cleaning solution is dirty or diluted; insufficient washing time.	Replace or filter the cleaning solution. Increase washing time or use 'Quick' speed for heavily soiled prints.
Prints not curing properly (sticky/soft).	Insufficient curing time; dirty curing platform; UV lamp issues.	Increase curing time. Clean the mirrored curing platform. Ensure UV lamps are functioning.
Touch buttons are unresponsive or stick.	Resin residue on the panel; internal sensor issue.	Clean the touch panel thoroughly with a soft cloth. If issue persists, contact customer support.
Curing platform spins too fast (prints fly off).	Incorrect speed setting selected.	Ensure 'Normal' speed is selected for curing mode, not 'Quick'.

8. SPECIFICATIONS

Feature	Detail
Model Number	UW-01
Product Dimensions	8.8 x 8.8 x 14.1 inches (22.35 x 22.35 x 35.81 cm)
Item Weight	10.34 pounds (4.7 kg)
Washing Container Size	190 x 154 x 200 mm (7.48 x 6.06 x 7.87 inches)
Curing Size	φ165 x 200 mm
UV Light Source	Double-row 9-bead UV LED lights (18 pieces)
Rated Power	60 watts
Material	Stainless Steel, Acrylic
Color	Orange (protective cover)
Date First Available	November 2, 2022
Manufacturer	Creality
Country of Origin	China

9. WARRANTY AND SUPPORT

Your Creality Wash and Cure Station UW-01 comes with an After-sales Service Card. For any warranty claims, technical support, or service inquiries, please refer to the contact information provided on the card or visit the official Creality website. Ensure you retain your proof of purchase for warranty validation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question