

- Manuals.plus /
- › [Creality](#) /
 - › Creality Resin 3D Printer Halot Mage S 14K & Wash and Cure Station UW-01 Instruction Manual

Creality Halot Mage S 14K, UW-01

Creality Resin 3D Printer Halot Mage S 14K & Wash and Cure Station UW-01 Instruction Manual

Model: Halot Mage S 14K, UW-01 | Brand: Creality

- [Introduction](#)
- [Safety Information](#)
- [Troubleshooting](#)
- [Package Contents](#)
- [Specifications](#)
- [Setup](#)
- [Support](#)
- [Operation](#)
- [Maintenance](#)

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Creality Resin 3D Printer Halot Mage S 14K and Creality Wash and Cure Station UW-01. Please read this manual thoroughly before using the devices to ensure proper function and safety.



Figure 1.1: The Crealitiy Halot Mage S 14K Resin 3D Printer and the Crealitiy Wash and Cure Station UW-01.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury or damage to the equipment:

- Wear appropriate personal protective equipment (PPE), including gloves and safety glasses, when handling resin.
- Operate the printer and wash/cure station in a well-ventilated area to minimize exposure to resin fumes.
- Keep resin away from direct sunlight and heat sources. Store it in a cool, dark place.
- Do not ingest resin. In case of accidental ingestion, seek immediate medical attention.
- Avoid skin contact with liquid resin. If contact occurs, wash thoroughly with soap and water.
- Ensure the power supply is disconnected before performing any maintenance or cleaning.
- Keep children and pets away from the operating devices.

- Dispose of uncured resin and contaminated materials according to local regulations.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

3.1 Creality Halot Mage S 14K 3D Printer

- Halot Mage S 14K 3D Printer Unit
- Resin Vat
- Build Plate
- Power Adapter and Cable
- USB Disk (with software and manual)
- Tool Kit (Allen wrenches, scraper, etc.)
- Funnel and Filters
- Gloves

3.2 Creality Wash and Cure Station UW-01

- UW-01 Wash and Cure Station Unit
- Washing Basket
- Curing Platform
- Washing Container with Lid
- Power Adapter and Cable

4. SETUP GUIDE

4.1 Halot Mage S 14K 3D Printer Setup

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Placement:** Place the printer on a stable, level surface in a well-ventilated area, away from direct sunlight.
3. **Power Connection:** Connect the power adapter to the printer and then to a power outlet. Do not power on yet.
4. **Build Plate Installation:** Install the build plate onto the Z-axis arm. Ensure it is securely fastened.
5. **Resin Vat Installation:** Place the resin vat into its designated slot on the printer. Ensure it is seated correctly and level.
6. **Leveling (if required):** Refer to the quick start guide on the USB disk for specific leveling instructions for your model. Proper leveling is crucial for successful prints.
7. **Software Installation:** Install the Creality slicing software from the provided USB disk onto your computer.



Figure 4.1: The Crealty Halot Mage S 14K 3D Printer with its build plate and resin vat visible.

4.2 Crealty Wash and Cure Station UW-01 Setup

1. **Unpacking:** Remove the UW-01 unit and all accessories from the packaging.
2. **Placement:** Place the station on a stable, flat surface.
3. **Power Connection:** Connect the power adapter to the UW-01 and then to a power outlet.
4. **Washing Container:** For washing, place the washing container onto the platform. Fill it with appropriate cleaning solution (e.g., IPA or specialized resin cleaner).
5. **Curing Platform:** For curing, ensure the rotating curing platform is in place.



Figure 4.2: The control panels of both the Halot Mage S 14K and the UW-01 Wash and Cure Station.

5. OPERATING INSTRUCTIONS

5.1 Halot Mage S 14K 3D Printer Operation

1. **Prepare Model:** Import your 3D model (STL, OBJ, 3MF) into the Creality slicing software.
2. **Slice Settings:** Configure print settings such as layer height, exposure time, lift speed, and support structures. The Halot Mage S 14K supports high-resolution printing with 13320x5120px resolution and 16.8x24.8μm pixel size.
3. **"Dynax+" Mode:** For faster printing, enable the "Dynax+" mode, which can boost print speed up to 150mm/h.
4. **Save to USB:** Save the sliced file (.cxdlp or similar) to the USB disk.
5. **Add Resin:** Pour resin into the resin vat, ensuring it does not exceed the maximum fill line.
6. **Start Print:** Insert the USB disk into the printer. Select your file from the touchscreen interface and start the print.

7. **Monitoring:** Monitor the printing process. The printer features a smart air purifier to reduce VOCs during printing.
8. **Post-Print:** Once printing is complete, carefully remove the build plate.

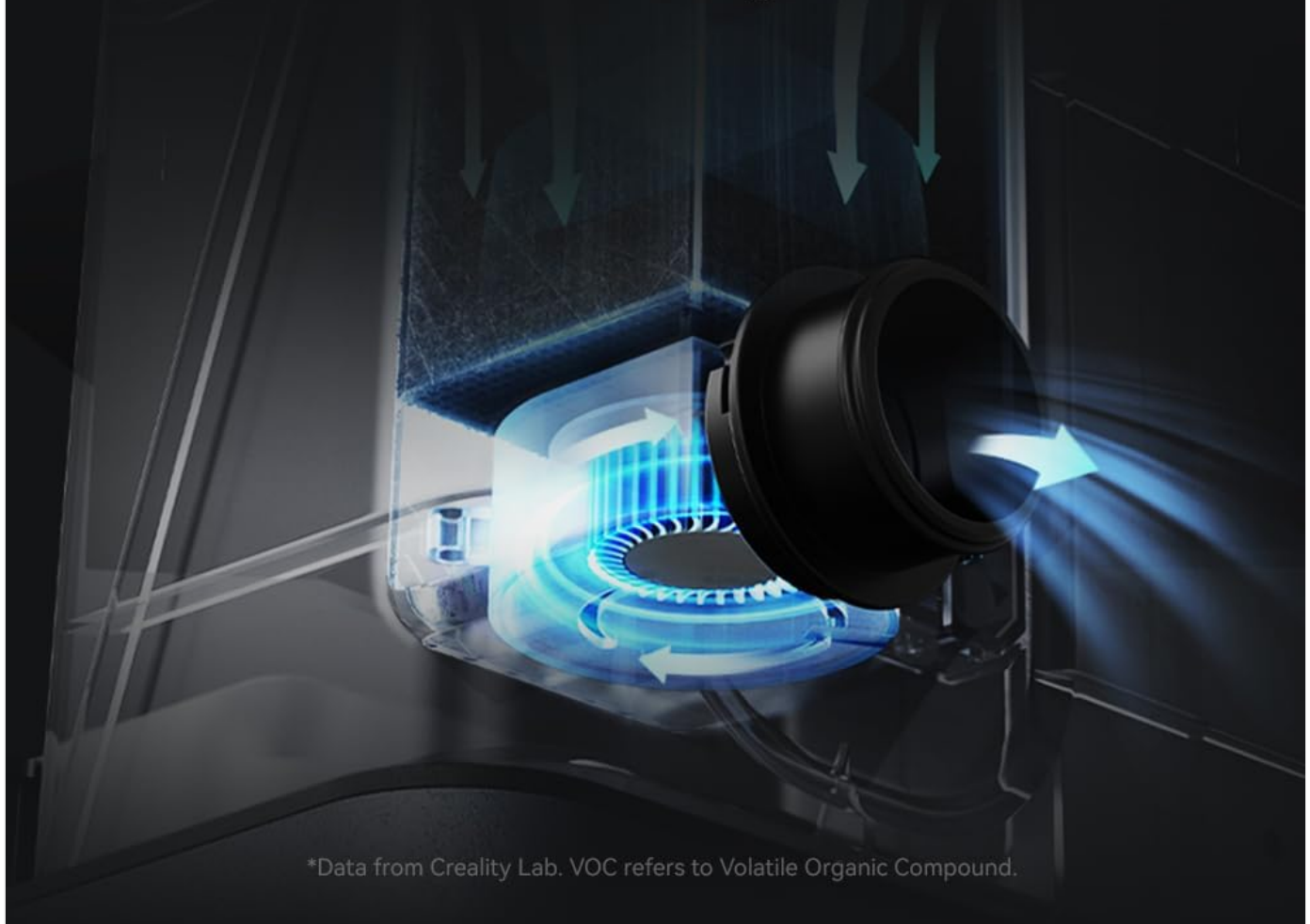


Figure 5.1: The "Dynax+" mode on the Halot Mage S 14K for accelerated printing.

Smart Air Purifier, Odor-free Joy

33%*

better in removing VOCs*



*Data from Creality Lab. VOC refers to Volatile Organic Compound.

Figure 5.2: The integrated smart air purifier helps reduce odors and VOCs.

5.2 Creality Wash and Cure Station UW-01 Operation

The UW-01 offers both washing and curing functionalities. Use the LED HD Touch Button interface to select modes.

5.2.1 Washing Mode

1. **Prepare Solution:** Fill the washing container with appropriate cleaning solution (e.g., 95% IPA).
2. **Place Model:** Place the printed model (either directly on the build plate or detached and placed in the washing basket) into the washing container.
3. **Select Mode:** Select "Wash" mode on the UW-01 control panel. Adjust the washing time as needed.
4. **Start:** Press the start button. The magnetic stirring will clean the model.
5. **Remove:** Once complete, remove the model and allow it to air dry or use compressed air.

5.2.2 Curing Mode

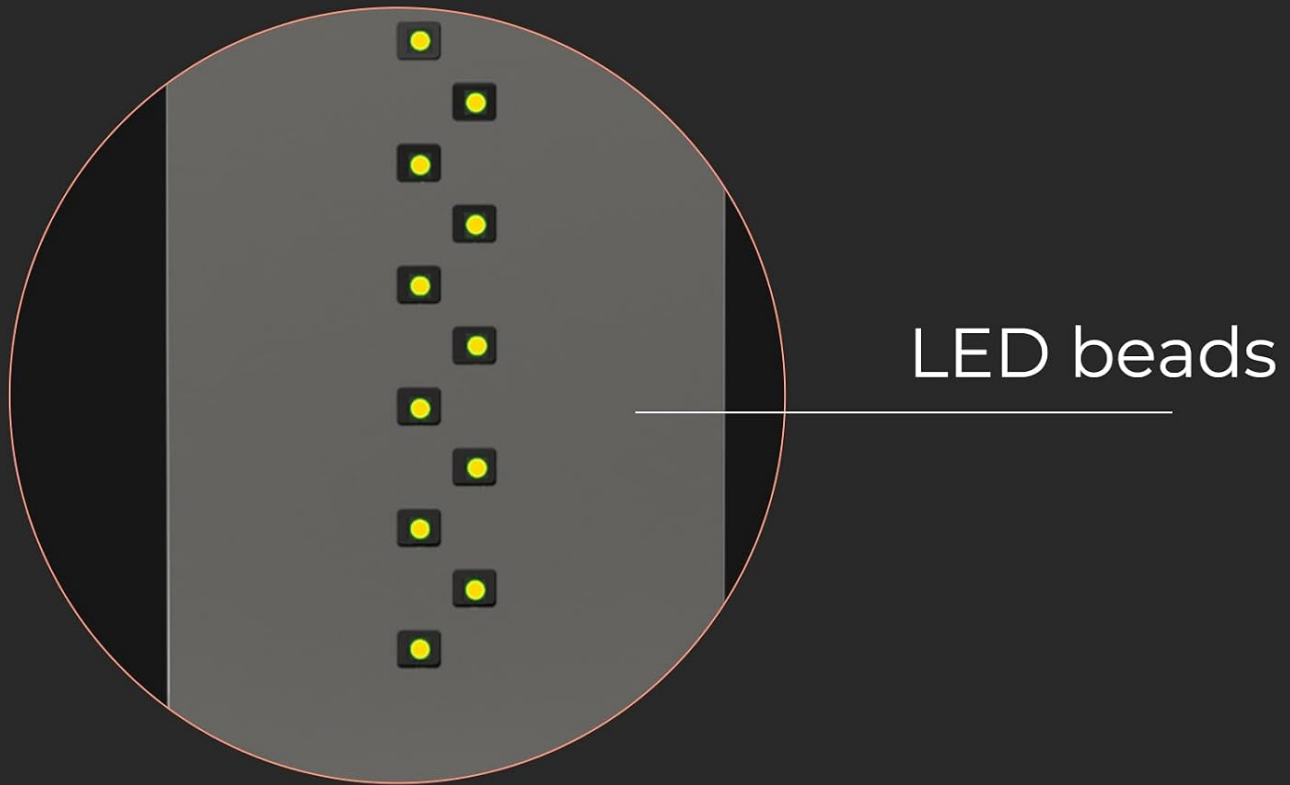
1. **Place Model:** Place the dried, washed model onto the rotating curing platform.
2. **Select Mode:** Select "Cure" mode on the UW-01 control panel. Adjust the curing time. The station uses 18 pieces of UV LED lights (9x 405nm, 9x 385nm) and a 360° rotating platform for even curing.
3. **Start:** Press the start button. The UV lights will activate, and the platform will rotate.
4. **Safety Feature:** The curing process will immediately suspend if the machine cover is removed, preventing direct exposure to UV light.
5. **Remove:** Once curing is complete, remove the fully cured model.



Figure 5.3: The UW-01 Wash and Cure Station in curing mode, showing the rotating platform and UV lights.

Faster and Evenly Cure

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



405nm + 385nm
9 pieces 9 pieces

Figure 5.4: Illustration of the 18 UV LED beads (405nm + 385nm) for effective curing.

Note: No official product videos were available for embedding in this manual. For visual demonstrations, please refer to the manufacturer's official website or support channels.

6. MAINTENANCE

6.1 Halot Mage S 14K Printer Maintenance

- **Clean Resin Vat:** After each print, inspect the resin vat for cured resin bits. Use a plastic scraper to gently remove them. Filter unused resin back into its bottle.
- **Clean Build Plate:** Clean the build plate with IPA after each print to remove any resin residue.
- **Clean LCD Screen:** If resin spills on the LCD screen, clean it immediately with a soft cloth and IPA. Avoid scratching the screen.
- **Z-axis Lubrication:** Periodically lubricate the Z-axis lead screw with lithium grease to ensure smooth operation.

- **Air Purifier Filter:** Replace the smart air purifier filter as needed to maintain optimal VOC reduction.

6.2 UW-01 Wash and Cure Station Maintenance

- **Clean Washing Container:** Regularly clean the washing container and replace the cleaning solution when it becomes cloudy or saturated with resin.
- **Clean Curing Platform:** Wipe down the curing platform and the UV lamp area with a soft cloth to remove any dust or resin residue.
- **UV Lamp Inspection:** Periodically check the UV lamps for any damage or degradation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Print Fails to Adhere to Build Plate	Improper leveling, insufficient bottom exposure time, cold resin, dirty build plate.	Re-level the build plate. Increase bottom exposure time. Warm resin to room temperature. Clean build plate thoroughly with IPA.
Partial Prints or Missing Layers	Insufficient normal exposure time, FEP film damage, resin contamination, Z-axis issues.	Increase normal exposure time. Inspect and replace FEP film if damaged. Filter resin. Check Z-axis for obstructions or looseness.
Washing Not Effective	Cleaning solution is saturated, insufficient washing time, incorrect solution.	Replace cleaning solution. Increase washing time. Ensure correct cleaning solution (e.g., 95% IPA) is used.
Curing Not Complete / Sticky Surface	Insufficient curing time, model not fully dry after washing, UV lamps dirty or faulty.	Increase curing time. Ensure model is completely dry before curing. Clean UV lamps.
Printer Not Responding	Power issue, firmware error, touchscreen malfunction.	Check power connections. Restart the printer. Update firmware via USB. Contact support if issues persist.

8. SPECIFICATIONS

8.1 Creality Halot Mage S 14K 3D Printer

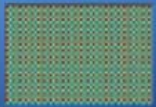
- **Resolution:** 14K (13320*5120px)
- **Pixel Size:** 16.8*24.8µm
- **Display Size:** 10.1 inches
- **Printing Speed:** Up to 150mm/h (Dynax+ mode)
- **Motor:** Closed-loop motor
- **Rails:** Dual linear rails
- **Air Purification:** Smart Air Purifier (33% better at removing VOCs)
- **Compatible Devices:** Laptop, Smartphone
- **Supported File Formats:** STL, OBJ, 3MF
- **Material:** Resin
- **Color:** Orange

14K

8K



13320*5120
px

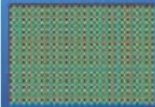


68,198,400
Pixels In Total

+105% ↑



7680*4320
px



33,177,600
Pixels In Total

Figure 8.1: Visual comparison highlighting the detail of 14K resolution (13320x5120px) versus 8K.

Stunning 14K, Utterly Exquisite

13320*5120

Resolution

16.8*24.8 μ m

Pixel Size



Vintage Jewelry @钟小兽

Figure 8.2: Example of exquisite detail achievable with 14K resolution printing.

8.2 Creality Wash and Cure Station UW-01

- **UV Light Source:** 18 pieces of UV LED lights (9x 405nm, 9x 385nm)
- **Curing Method:** 360° rotating platform with magnetic force and reflective mirror
- **Control:** LED HD Touch Button interface
- **Safety:** Automatic suspension of curing when cover is removed

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Creality customer support directly. You can typically find contact details on the official Creality website or through the seller from whom you purchased the product.

Return Policy: This product typically comes with a 30-day refund/replacement return policy from the date of purchase. Please refer to your purchase documentation or the seller's policy for specific terms.

Online Resources:

- [Creality Official Amazon Store](#)
- [Creality Official Website](#) (for general support and resources)

© 2024 Creality. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B0D7CNGJZ1>

More documents and user manuals: <https://manuals.plus/>