

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [phrozen](#) /

› [Phrozen Cure Mega S 3D Printer Resin Curing Station User Manual](#)

phrozen CUREMEGAS00US

Phrozen Cure Mega S User Manual

Model: CUREMEGAS00US

INTRODUCTION

The Phrozen Cure Mega S is an advanced resin curing station designed for post-processing 3D printed models. It features both drying and UV curing functions, a 360-degree transparent turntable, and dual high-speed fans to ensure efficient and uniform curing of large and small models. This manual provides essential information for the safe and effective operation, setup, and maintenance of your Phrozen Cure Mega S.

SAFETY INFORMATION

Please read all safety instructions carefully before operating the device to prevent injury or damage.

- Always wear appropriate personal protective equipment (PPE), such as gloves and eye protection, when handling uncured resin or models that have not been fully cured.
- Ensure the device is placed on a stable, level surface away from direct sunlight and flammable materials.
- Do not look directly at the UV light source during operation.
- Keep the device away from water or other liquids to prevent electric shock.
- Unplug the device from the power outlet before cleaning or performing any maintenance.
- Keep out of reach of children and pets.

PRODUCT OVERVIEW

The Phrozen Cure Mega S is a robust curing station designed for large-scale and high-volume post-processing. Its intuitive design allows for easy access and efficient operation.



Image: Front view of the Phrozen Cure Mega S curing station, showcasing its compact, black enclosure with a transparent orange-tinted door.

Key Components

- **Main Curing Chamber:** The enclosed space where models are dried and cured.

- **Transparent Turntable:** Rotates models 360 degrees for even curing.
- **UV Light Source:** Emits 405nm UV light for resin solidification.
- **High-Speed Fans:** Two fans for efficient drying of models.
- **Touch Panel:** User interface for controlling drying and curing settings.
- **Removable Rack:** Allows for flexible curing of various model sizes.
- **Side-Swing Door:** Provides easy access to the curing chamber.
- **Built-In Interior Light:** Illuminates the chamber for monitoring progress.

Smart Design, Easy Access

Side-Swing Door



Interior Lighting



Touch Panel



Image: Visual representation of the Phrozen Cure Mega S's smart design, highlighting the side-swing door, interior lighting, and the touch panel interface.

SETUP

Follow these steps for the initial setup of your Phrozen Cure Mega S.

1. **Unpack the Device:** Carefully remove the Phrozen Cure Mega S from its packaging. Retain all packaging materials for future transport or storage.
2. **Choose a Location:** Place the curing station on a flat, stable, and heat-resistant surface in a well-ventilated area. Ensure there is sufficient space around the unit for air circulation.
3. **Connect Power:** Plug the power cord into the power input port on the back of the unit, then plug the other end into a grounded electrical outlet.
4. **Install Turntable:** Place the transparent turntable securely onto the rotating mechanism inside the curing chamber.
5. **Optional Rack Installation:** If curing smaller or multiple models, install the removable rack at the desired height within the chamber.
6. **Power On:** Press the power button on the touch panel to turn on the device.

OPERATION

The Phrozen Cure Mega S offers versatile drying and curing options for your 3D printed models.

Drying and Curing Functions

The device allows you to select between drying, curing, or a combined dry and cure cycle.

- **Drying Mode:** Utilizes dual high-speed fans (1700 RPM) to quickly dry models, removing residual alcohol or moisture after washing.
- **Curing Mode:** Activates the 405nm UV light source to solidify resin models, enhancing their hardness and durability. The 360-degree light source and rotating turntable ensure uniform exposure.
- **Dry & Cure Mode:** Performs a drying cycle followed by a curing cycle automatically, streamlining the post-processing workflow.

Dual-Action Drying & Curing

1700 RPM Drying

360° Curing



Image: Depicts the Phrozen Cure Mega S in operation, highlighting its dual-action drying (1700 RPM) and 360-degree curing capabilities.

Using the Touch Panel

The touch panel provides intuitive control over the device's functions.

1. **Select Mode:** On the main screen, tap the desired mode: *Fan + Cure* (Dry & Cure), *UV Cure*, or *Fan* (Drying).

2. **Set Time:** Use the '+' and '-' buttons to adjust the duration for the selected mode. Recommended curing times vary based on resin type and model size.
3. **Start Cycle:** Press the 'Start' button to begin the process. The interior light will activate, and the turntable will begin to rotate.
4. **Monitor Progress:** Use the built-in interior light to observe the drying or curing state of your models through the transparent door.
5. **End Cycle:** The device will automatically stop once the set time has elapsed. You can also manually stop the cycle by pressing the 'Stop' button.

Detachable Rack for Flexible Curing

From Multiple Minis to One Major Model

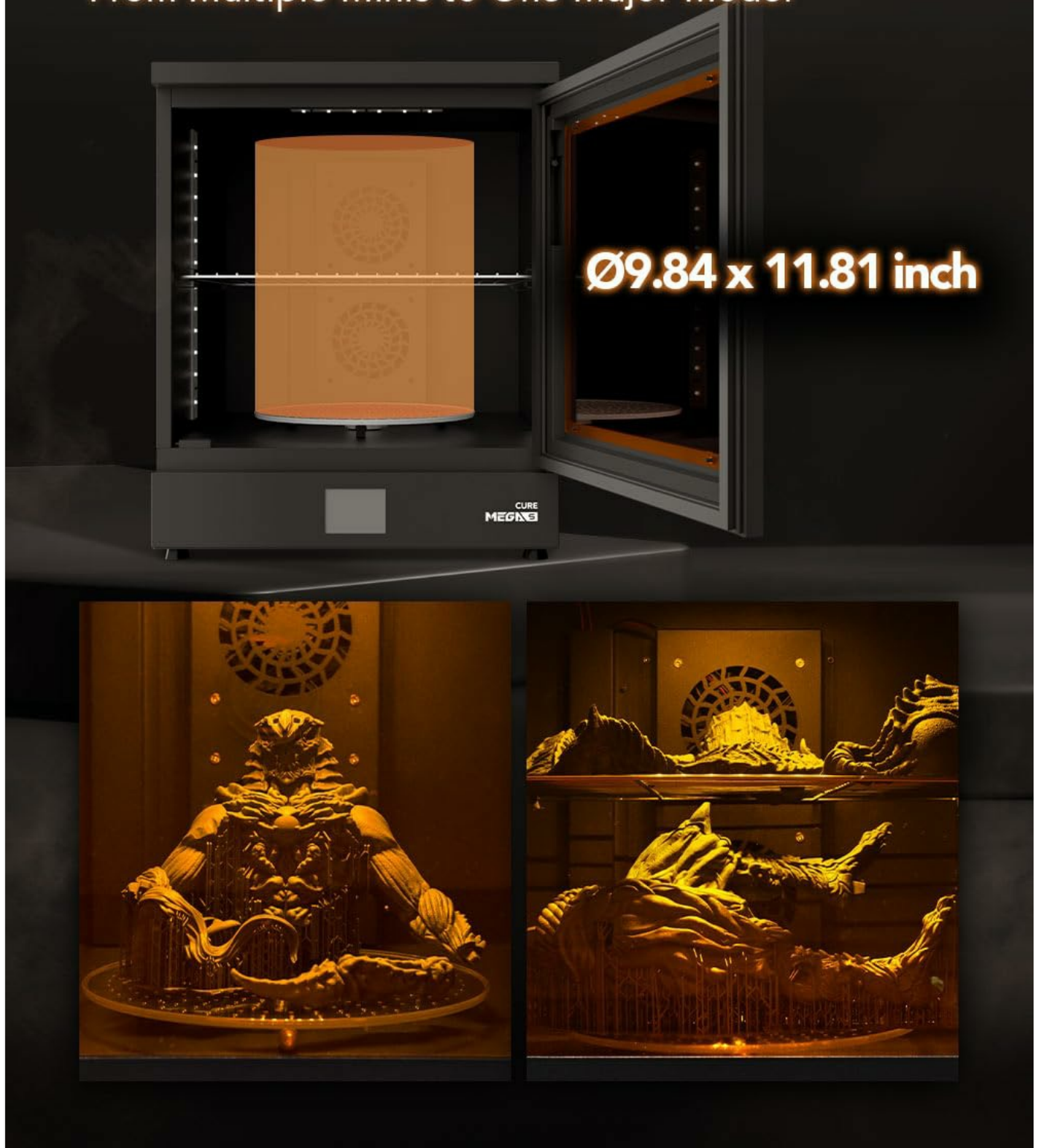


Image: Illustrates the detachable rack feature, showing how it accommodates both large single models and multiple smaller models for flexible curing.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Phrozen Cure Mega S.

- **Cleaning the Chamber:** After each use, especially if resin spills occur, wipe down the interior of the curing chamber with a soft cloth dampened with isopropyl alcohol (IPA). Ensure the device is unplugged.
- **Cleaning the Turntable:** Remove the turntable and clean it with IPA. Ensure it is completely dry before placing it back into the unit.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **UV Light Source:** Periodically check the UV LEDs for any dust or residue and gently clean them with a soft, dry cloth if necessary.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Phrozen Cure Mega S.

Problem	Possible Cause	Solution
Device does not power on.	Power cord not properly connected; no power from outlet.	Check power cord connection. Test outlet with another device.
UV light not activating.	Curing mode not selected; door not fully closed.	Ensure 'UV Cure' or 'Fan + Cure' mode is selected. Close the door securely.
Turntable not rotating.	Turntable not properly seated; obstruction.	Re-seat the turntable. Check for any debris obstructing rotation.
Models not curing evenly.	Insufficient curing time; models too close together.	Increase curing time. Ensure models are spaced adequately on the turntable.
Models not drying effectively.	Drying mode not selected; fans obstructed.	Ensure 'Fan' or 'Fan + Cure' mode is selected. Check for obstructions near fan vents.

SPECIFICATIONS

Technical specifications for the Phrozen Cure Mega S.

Feature	Detail
Model Number	CUREMEGAS00US
Product Dimensions	15.6"D x 18.7"W x 19.1"H (39.5cm W x 47.5cm D x 48.6cm H)
Item Weight	15 Kilograms (33.07 Pounds)
Material	Metal
Curing Wavelength	405nm UV Light
Fan Speed	1700 RPM (Dual Fans)
Turntable Rotation	360 Degree
Manufacturer	PHROZEN TECH CO., LTD.
First Available Date	August 9, 2023



Image: Diagram showing the physical dimensions of the Phrozen Cure Mega S: 47.5cm depth, 39.5cm width, and 48.6cm height.

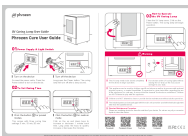

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Phrozen customer support through their official website or the retailer where the product was purchased.

Online Resources: Visit the official Phrozen website for FAQs, updated drivers, and additional support materials.

Contact Information: Refer to your purchase documentation or the Phrozen website for specific contact details.

Related Documents - CUREMEGAS00US

	<p>Phrozen CURE+ User Manual: Setup, Operation, and Specifications</p> <p>This user manual provides comprehensive instructions for the Phrozen CURE+ resin curing station, covering setup, operating environment, safety precautions, product details, accessories, technical specifications, curing modes, profile management, settings, and after-sales service.</p>
	<p>Phrozen Cure UV Curing Lamp User Guide</p> <p>User guide for the Phrozen Cure UV Curing Lamp, detailing power supply, operation, setting curing times, and maintenance procedures.</p>
	<p>Phrozen CURE+ User Manual: Guide to Post-Curing 3D Prints</p> <p>Comprehensive user manual for the Phrozen CURE+ post-curing device. Learn about setup, operation modes, specifications, safety, and maintenance for optimal 3D print curing.</p>
	<p>Phrozen CURE+ User Manual: Setup, Operation, and Specifications</p> <p>Comprehensive user manual for the Phrozen CURE+ curing unit. Learn about setup, operating procedures, safety precautions, product specifications, and troubleshooting.</p>
	<p>Phrozen LUNA CURE UV Curing Lamp User Guide</p> <p>Comprehensive user guide for the Phrozen LUNA CURE UV Curing Lamp, covering power operation, curing time settings, safety warnings, and maintenance procedures.</p>
	<p>Phrozen CURE+ User Manual: Setup, Operation, and Settings</p> <p>User manual for the Phrozen CURE+ curing unit. Provides instructions on setup, environmental requirements, machine parts, accessories, product specifications, getting started, curing settings (brand resin, custom list, manual), and system settings. Learn how to operate and maintain your Phrozen CURE+ for optimal 3D print curing.</p>