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> MECOLOUR Sublimation Oven Machine ME002 User Manual

MECOLOUR ME002

MECOLOUR Sublimation Oven Machine ME002 User Manual

Model: ME002 | Brand: MECOLOUR

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your MECOLOUR Sublimation Oven Machine, Model ME002. This 20-liter convection oven is designed for sublimation printing on various blanks such as mugs, tumblers, cups, and water bottles. Please read this manual thoroughly before initial use and retain it for future reference.



Figure 1: MECOLOUR Sublimation Oven Machine ME002.

2. SAFETY INSTRUCTIONS

To prevent injury or damage to the appliance, always follow these basic safety precautions:

- Read all instructions before operating the oven.
- Do not touch hot surfaces. Use oven mitts or gloves when handling hot items or surfaces.
- To protect against electrical shock, do not immerse the cord, plug, or any part of the oven in water or other liquids.
- Close supervision is necessary when any appliance is used by or near children.
- Unplug from outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts.
- Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or has been damaged in any manner.
- The use of accessory attachments not recommended by the appliance manufacturer may cause hazards.
- Do not use outdoors.
- Do not let cord hang over edge of table or counter, or touch hot surfaces.
- Do not place on or near a hot gas or electric burner, or in a heated oven.
- Extreme caution must be used when moving an appliance containing hot oil or other hot liquids.
- Always attach plug to appliance first, then plug cord into the wall outlet. To disconnect, turn any control to "off", then remove plug from wall outlet.

- Do not use appliance for other than intended use.
- Oversized foods or metal utensils must not be inserted in a toaster oven as they may create a fire or risk of electric shock.
- A fire may occur if the oven is covered or touching flammable material, including curtains, draperies, walls, and the like, when in operation.
- Do not store any materials, other than manufacturer's recommended accessories, in this oven when not in use.
- Do not place any of the following materials in the oven: paper, cardboard, plastic, or any materials not specifically designed for oven use.
- Do not clean with metal scouring pads. Pieces can break off the pad and touch electrical parts, creating a risk of electric shock.
- Do not put the cups directly on the oven floor. Please put them on the rack for sublimation transfers.

3. PRODUCT OVERVIEW AND SPECIFICATIONS

3.1 Components

The MECOLOUR Sublimation Oven Machine includes the main oven unit, a removable rack, and a power cord. The control panel features buttons for power, mode selection, temperature unit (Fahrenheit/Celsius), and a countdown timer, along with a rotary knob for setting temperature and time.

QUICK-START WITH one-TOUCH CONTROL



Figure 2: Oven control panel with quick-start one-touch control.

3.2 Technical Specifications

Feature	Specification
Brand	MECOLOUR
Model Name	ME002
Capacity	20 Liters
Power	1250W
Voltage	AC 120V/60Hz
Temperature Range	140-395°F (60-200°C)
Time Range	1-30 Minutes
Product Dimensions (D x W x H)	18.9" x 19.54" x 18.1"

Feature	Specification
Item Weight	4 pounds
Control Type	Button Control
Special Feature	Sublimation

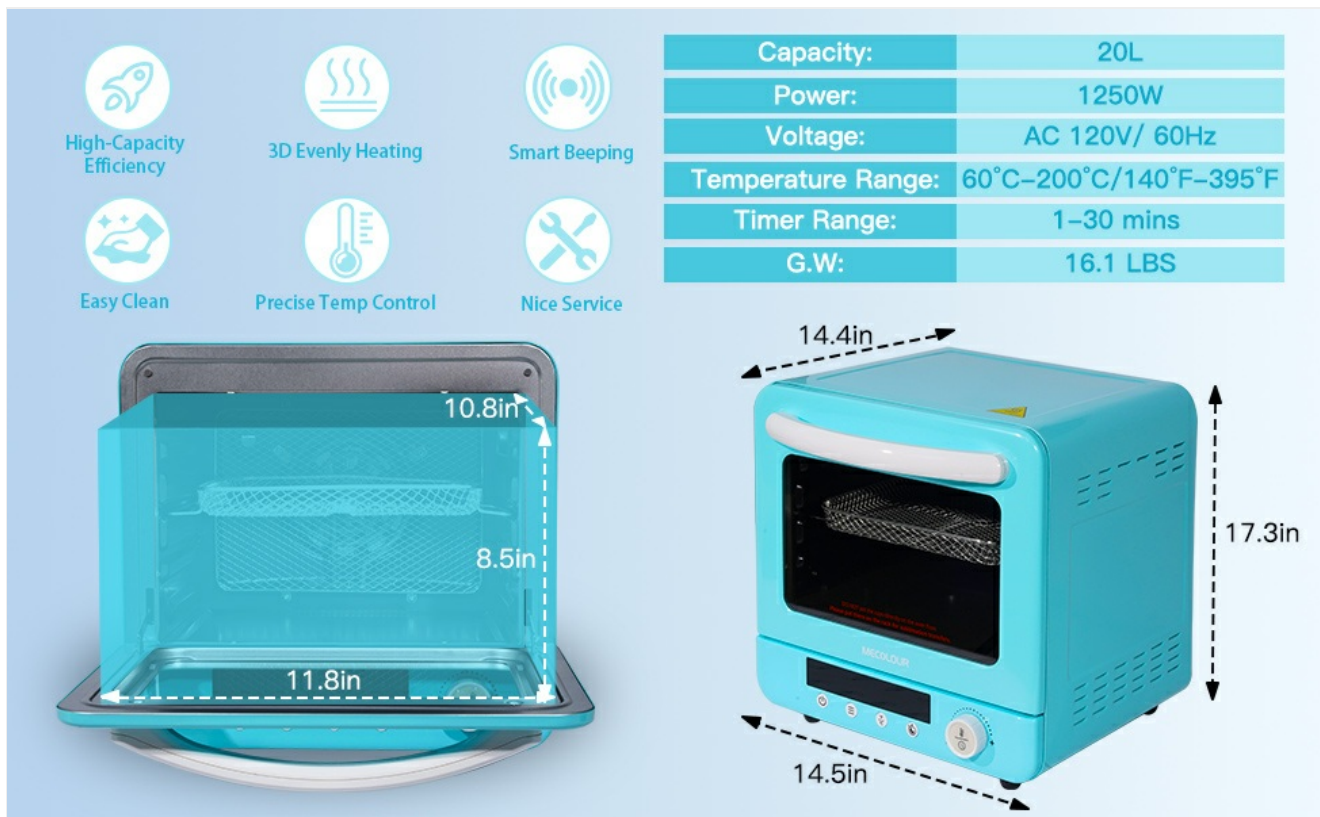


Figure 3: Detailed specifications and internal dimensions.

4. SETUP

- Unpacking:** Carefully remove the oven and all accessories from the packaging. Retain packaging for future transport or storage.
- Placement:** Place the oven on a stable, heat-resistant, and level surface. Ensure adequate clearance (at least 4 inches) on all sides for proper ventilation. Do not place the oven directly on the oven floor; always use the provided rack for sublimation transfers.
- Initial Cleaning:** Before first use, wipe the interior and exterior surfaces with a damp cloth. Ensure the oven is completely dry before plugging it in.
- Power Connection:** Plug the power cord into a grounded 120V/60Hz electrical outlet.

5. OPERATING INSTRUCTIONS

Follow these steps for successful sublimation transfers using your MECOLOUR Sublimation Oven:

5.1 Preparing Your Sublimation Blank

- Attach Image:** Securely attach your printed sublimation image to the tumbler or mug using heat-resistant tape. Ensure the image is tightly wrapped and free of air bubbles.
- Apply Shrink Wrap:** Place a suitable shrink wrap around the tumbler or mug.

3. **Heat Shrink Wrap:** Use a heat gun or air blower to heat the shrink wrap. This will make it fit tightly around the tumbler, ensuring even pressure during sublimation.



1. Stick the image on the tumbler tightly with heat-resistant tape.



2. Place a suitable shrink wrap around the tumbler.



3. Heat the shrink wrap with heat gun or air blower to make it fit tightly with the tumbler.



4. Put it into a convection oven, set 390°F (200°C), 6-8mins.



5. Take it out the oven, wait for a moment, then tear off the paper, you'll get a great specialized tumbler.


Figure 4: Preparation steps for sublimation blanks.

5.2 Oven Operation


1. **Power On:** Short press the power button () to turn on the oven.
2. **Set Temperature and Time:**
 - The default temperature is 185°C/365°F, 15 minutes.
 - To adjust, short press the "mode" button (≡) to switch between temperature and time settings. The value on the screen will flash.
 - Rotate the rotary knob to set the desired temperature or time.
 - Press the °F/°C button to switch between Fahrenheit and Celsius display.
 - Once settings are confirmed, short press the °F/°C button briefly to start the heating process.
3. **Load Blanks:** Once the oven reaches the set temperature (the "pre-heat done" light will illuminate), carefully place your prepared tumblers or mugs onto the rack inside the oven.

4. **Start Countdown:** Press the "countdown" button (⊖) to begin the sublimation process.
5. **Remove Finished Items:** Once the timer expires and the oven beeps, carefully open the oven door using oven mitts. Remove the rack with the sublimated items. Allow them to cool before removing the sublimation paper and shrink wrap.


HOW TO USE




1. PLUG IN
Short press "power button" to turn it on.



2. SET THE TEMPERATURE & TIME
1) The default temperature is 185°C/365°F, 15 mins, short press "mode button" to heating up
2) Reset temperature and time
a. Short press "°F/°C", the temperature value on the screen starts flashing; rotate to set the desired temperature value.
b. Short press "°F/°C", the temperature value on the screen starts flashing; rotate again, the time value on the screen starts flashing; rotate to set the desired time value
c. Lastly, press "°F/°C" briefly to turn on the heating.



3. COUNTDOWN BUTTON
Place your tumblers/ cups in the oven and press "countdown button"
After the oven temperature reaches the setting temperature, the "pre-heat done" lights up 6 beeping.



4. REMOVE THE CUP
Take out the tumblers/ cups once time's up & beeping
Note:
1. You can switch the temperature display to "°F or °C" by pressing the "°F / °C" button.
2. The display will show the actual temperature of the oven center when the oven is in "Run".

Figure 5: Oven operation steps.

5.3 Recommended Settings for Various Blanks

The following table provides general recommended settings. Optimal results may vary based on material, coating, and specific sublimation paper used. Always perform test prints to determine the best settings for your materials.

SUITABLE FOR VARIOUS TUMBLER



Figure 6: Recommended temperature and time settings for various sublimation blanks.

5.4 Video Demonstration

Watch this official product video for a visual guide on using the MECOLOUR Sublimation Oven Machine.

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Video 1: Demonstration of the MECOLOUR Sublimation Oven in use, showing preparation, setting, and completion of sublimation.

6. MAINTENANCE

Regular cleaning and maintenance will ensure the longevity and optimal performance of your sublimation oven.

- **Cleaning the Interior:** After each use, allow the oven to cool completely. Wipe the interior surfaces with a damp cloth and mild detergent if necessary. Avoid abrasive cleaners or scouring pads.
- **Cleaning the Exterior:** Wipe the exterior with a soft, damp cloth. Do not use harsh chemicals.
- **Rack Cleaning:** The removable rack can be washed with warm, soapy water. Ensure it is completely dry before placing it back in the oven.
- **Storage:** Store the oven in a cool, dry place when not in use.

7. TROUBLESHOOTING

If you encounter issues with your MECOLOUR Sublimation Oven, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Oven does not turn on.	No power supply.	Check if the power cord is securely plugged into a working outlet. Ensure the power button is pressed.

Problem	Possible Cause	Solution
Uneven sublimation results.	Incorrect temperature/time settings; improper shrink wrap application; uneven heat distribution.	Verify temperature and time settings against recommendations. Ensure shrink wrap is tight and evenly applied. Confirm items are placed correctly on the rack, not directly on the oven floor.
Sublimation image is faded or incomplete.	Temperature too low or time too short.	Increase temperature or extend sublimation time slightly. Ensure the oven has reached the set temperature before starting the timer.
Sublimation image is blurred or ghosted.	Temperature too high or time too long; movement during sublimation.	Decrease temperature or shorten sublimation time slightly. Ensure items are stable on the rack and do not shift.
Oven beeps continuously.	Timer has completed.	This indicates the sublimation cycle is finished. Open the oven and remove items.

If the problem persists after attempting these solutions, please contact MECOLOUR customer support for assistance.

8. WARRANTY AND SUPPORT

MECOLOUR is committed to providing high-quality products and excellent customer service. If you have any questions, concerns, or require assistance with your MECOLOUR Sublimation Oven Machine, please do not hesitate to contact our customer support team.

For support, please refer to the contact information provided with your purchase or visit the official MECOLOUR website.