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› [CREWORKS 16x20 Inch Auto Open Clamshell Heat Press Machine User Manual](#)

### CREWORKS SXHPM-1740-US

# CREWORKS 16x20 Inch Auto Open Clamshell Heat Press Machine

Model: SXHPM-1740-US

## 1. INTRODUCTION

This manual provides instructions for the safe and efficient operation of your CREWORKS 16x20 Inch Auto Open Clamshell Heat Press Machine. This industrial-quality heat press is designed for transferring designs from thermal transfer stickers or sublimation paper to various materials such as fabric, ceramic, and other mediums. Please read this manual thoroughly before initial use and retain it for future reference.

### Important Safety Note:

- Heat pressing N95 and similar masks is not recommended.
- No transfer should ever be placed over the mouth or nose area of any garment, as it can inhibit airflow.

## 2. PRODUCT OVERVIEW

The CREWORKS 16x20 Inch Heat Press Machine features a semi-automatic design with an auto-open clamshell mechanism and a slide-out lower platen for enhanced safety and convenience. The digital control box allows for precise temperature and time settings.



**Figure 2.1:** Key components of the CREWORKS Heat Press Machine. Components include the Smart LCD Display, Carbon-Steel Handle, Emergency Stop Button, Aluminum Heating Pad, Slide-Out Lower Plate, Teflon-Coated Fiberglass Cloth, Silicone Pad, and Foam Pad.

## Key Features:

- **16"x20" Aluminum Platen:** Provides fast and even 1600W heating for consistent results.
- **Automatic Opening:** An innovative electromagnetic system automatically opens the upper heating platen when the timer completes, improving efficiency and preventing over-pressing.
- **Slide-Out Lower Base:** The lower carbon steel plate with silicone and foam pads slides out for safe and easy placement of items and designs, reducing the risk of accidental burns.
- **Intuitive Digital Controls:** A smart LCD control box offers precise temperature settings up to 752°F (400°C) and timer settings up to 999 seconds (16.7 minutes).
- **Dependable Safety:** Includes a built-in fuse and an emergency stop button for user safety.

## 3. SETUP

### 3.1 Initial Inspection

Upon unpacking, inspect the machine for any signs of damage. Ensure all components are securely attached. If the electrical box is loose, secure it before operation.

## 3.2 Pre-Use Pressure Test

Before regular use, perform a pressure test to ensure the automatic opening mechanism functions correctly.

1. Turn on the machine.
2. Press down the heat platen.
3. Press the E-Stop button and observe if the heat platen opens by itself.
4. If the platen does not open, rotate the pressure adjustment knob clockwise to increase pressure.
5. Press the E-Stop button to reset.
6. Press down the platen to test again.
7. If the platen opens automatically, press the E-Stop button to proceed.

**Video 3.1:** Demonstration of the Pre-Use Pressure Test for the CREWORKS Heat Press Machine, showing how to check and adjust pressure to ensure automatic platen opening.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Setting Time and Temperature

The digital control panel allows for precise adjustment of heating time and temperature.

1. Turn on your machine.
2. Press the 'Set' button once to select your desired temperature. Use the up (▲) or down (▼) arrows to adjust.
3. Press the 'Set' button again to set the heating timer. Use the up (▲) or down (▼) arrows to adjust.
4. Press the 'Set' button a third time to save your selections and begin heating.

# INTUITIVE OPERATION



Step 1: Turn on your machine.

Step 2: Press the set button once & select your temperature.

Step 3: Press the set button again & set the heating timer.

Step 4: Press the set button again to save your selections and start heating.



Figure 4.1: Digital control panel for setting time and temperature.

**Video 4.1:** Detailed guide on setting time and temperature, temperature compensation, and selecting temperature units on the CREWORKS Auto Open Heat Press Machine.

## 4.2 Temperature Compensation Settings

To adjust temperature compensation:

1. Press the 'Set' button and the up (▲) or down (▼) arrows simultaneously until the display shows '5C' and '88'.
2. Use the up (▲) or down (▼) arrows to set the desired temperature compensation value.
3. Press the 'Set' button to save your selection.

## 4.3 Setting Temperature Unit (°F / °C)

To switch between Fahrenheit and Celsius:

1. Press the 'Set' button and the up (▲) or down (▼) arrows simultaneously until the display shows '88' and 'CF'.
2. Press the up (▲) or down (▼) arrows to select '1' for Fahrenheit (°F) or '0' for Celsius (°C).
3. Press the 'Set' button to save your selection.

## 4.4 Heat Transfer Process

Follow these steps for a successful heat transfer:

1. Ensure the machine is powered on and the desired temperature and time settings are programmed.
2. Slide out the lower platen using the blue handle.
3. Place your item (e.g., T-shirt) onto the lower platen.
4. Position your design (thermal transfer sticker or sublimation paper) on the item.
5. Place a Teflon sheet over the design to protect the heating platen and prevent sticking.
6. Slide the lower platen back into position.
7. Lower the heat platen and press it down firmly to engage the automatic timer.
8. Once the timer expires, the upper platen will automatically open.
9. Carefully slide out the lower platen.
10. Allow the item to cool, then gently peel off the transfer paper or film according to the transfer material's instructions.



**Figure 4.2:** The heat press can be used to customize a wide range of products.

## SLIDING LOWER PLATE



*The lower plate easily slides along its smooth glide rails and locks in place as you cool off items or ready your next product*

**Figure 4.3:** The lower plate slides along smooth glide rails for easy access and safe operation.

# AUTO MAGNETIC OPENING

Thanks to the built-in magnets, the upper heating platen automatically opens when the time is up, saving you time and trouble



LCD Control Box



Auto Opening



Clamshell Design

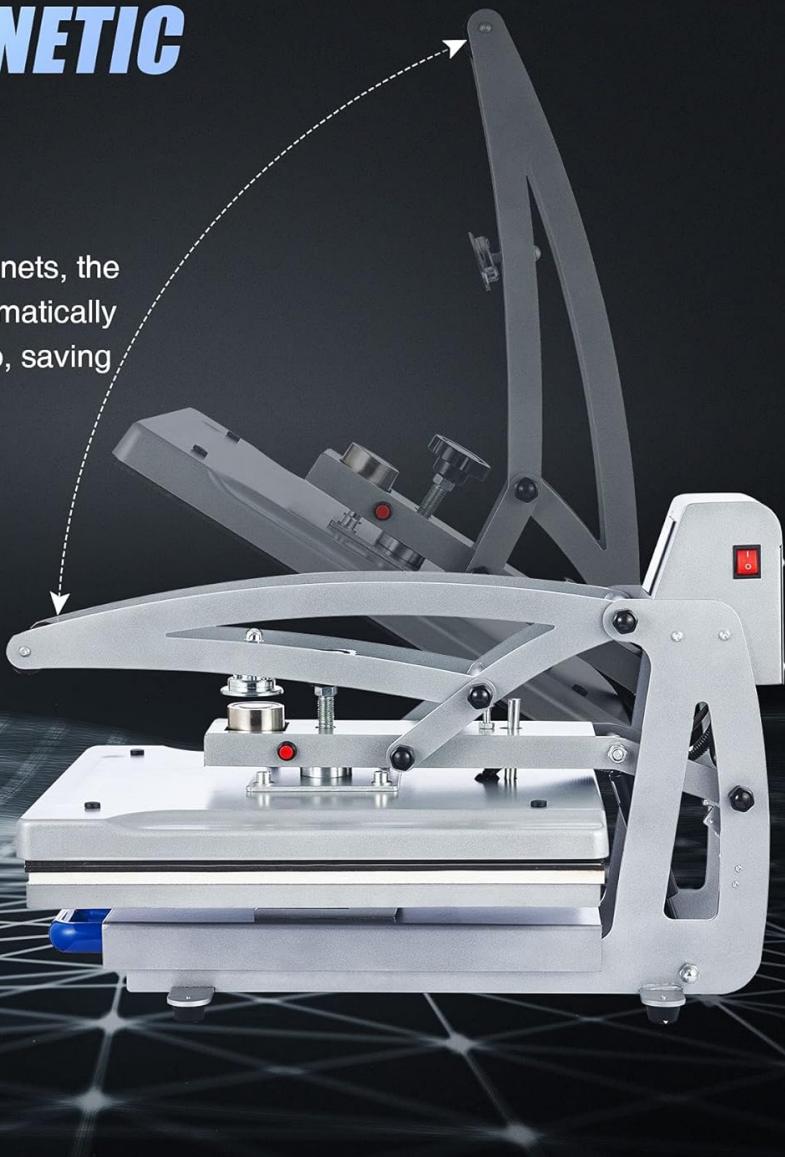


Figure 4.4: The built-in magnets enable the upper heating platen to open automatically, saving time and effort.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your heat press machine.

- **Cleaning:** Ensure the machine is unplugged and cooled before cleaning. Wipe down the exterior with a damp cloth. For the heating platen, use a non-abrasive cleaner specifically designed for Teflon-coated surfaces if necessary.
- **Platen Care:** Always use a Teflon sheet or parchment paper between the heating platen and your transfer material to prevent residue buildup.
- **Pressure Adjustment:** Periodically check and adjust the pressure as needed to ensure consistent transfers.
- **Storage:** Store the machine in a clean, dry environment when not in use.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your heat press machine.

- **Machine Not Heating:** Check the power connection and ensure the machine is switched on. Verify temperature settings are correctly entered. If the issue persists, check the fuse.
- **Uneven Heat Distribution:** Ensure the heating platen is clean and free of debris. Verify that the pressure is evenly distributed across the platen.
- **Automatic Open Feature Not Working:** Refer to the "Pre-Use Pressure Test" section (3.2) to adjust the pressure. Ensure the E-Stop button is not engaged.
- **Transfers Not Adhering Properly:** Check that the correct temperature and time settings are used for your specific transfer material and garment type. Ensure adequate pressure is applied.
- **Control Panel Beeping Continuously:** This may indicate an error or an unconfirmed setting. Try resetting the machine by pressing the E-Stop button or power cycling. Consult the manufacturer's support if the issue continues.

## 7. SPECIFICATIONS

Feature	Specification
Product Dimensions	16 x 20 x 20 inches
Item Weight	90 pounds
Item Model Number	SXHPM-1740-US
Brand	CREWORKS
Material	Alloy Steel, Aluminum
Recommended Uses	Bag, Commercial, Mouse Pad, Plate, T-Shirt
Upper Temperature Rating	752 Degrees Fahrenheit (400 Degrees Celsius)

## 8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official CREWORKS website. You may also contact CREWORKS customer service directly for assistance with product operation, troubleshooting, or parts replacement.