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Royal Press 15"x15" Heat Press

RoyalPress 15" x 15" Heat Press Machine User Manual

Model: 15"x15" Heat Press | Brand: Royal Press

1. INTRODUCTION

Thank you for choosing the RoyalPress 15" x 15" Heat Press Machine. This industrial-quality digital sublimation heat transfer machine is designed for professional and personal use, allowing you to transfer designs onto various flat items such as T-shirts, bags, puzzles, and mouse pads. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your machine.

ROYAL PRESS 15" x 15" T shirt heat press



15 X 15 Heat Press Machine can be used for T-shirts, clothing, bags, pillows, mouse pad, phone case, puzzle, tiles, garments, banners, blankets, and other flat items.

Image: Overall view of the RoyalPress 15" x 15" Heat Press Machine.

2. SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire, electric shock, or injury, read and understand all instructions before using this appliance.

- **Hot Surface:** The heating plate becomes extremely hot during operation. Always exercise extreme caution and avoid direct contact with the hot surface. Use heat-resistant gloves if necessary.
- **Electrical Safety:** Ensure the machine is plugged into a grounded 110V outlet with sufficient power (1400W). Avoid overloading circuits. Do not operate with damaged cords or plugs.
- **Stable Placement:** Place the heat press on a sturdy, level, and heat-resistant surface capable of supporting its weight (approximately 41.2 pounds).
- **Clearance:** Maintain adequate clearance around the machine for ventilation and safe operation. Keep flammable materials away from the heat press.
- **Supervision:** Never leave the machine unattended while it is powered on or operating.
- **Children and Pets:** Keep children and pets away from the heat press at all times.
- **Moving Parts:** Be aware of moving parts, especially the handle and platen, to prevent pinching or injury.

3. PRODUCT OVERVIEW

The RoyalPress Heat Press features a robust design with a 15" x 15" industrial-quality press-casting aluminum heating plate, coated with Teflon for non-stick performance. It includes a color LED intelligent memory digital controller for precise temperature, time, and production count management.

Key Components:

- **Heating Plate:** The upper platen, which heats up to transfer designs.
- **Bottom Plate:** The lower platen, typically covered with a silicone pad and sponge for even pressure.
- **Control Panel:** Digital display for temperature, time, and counter settings, with control buttons.
- **Pressure Adjustment Knob:** Located on top of the heating plate, used to adjust the pressure applied during pressing.
- **Handle:** Used to open and close the heat press, applying pressure.

Features:

- Printing Area: 15" x 15" (38 x 38cm)
- Temperature Range: 0-480°F (0-250°C)
- Time Range: 0-999 seconds
- Counter Range: 0-999 pieces
- Voltage: 110V, Power: 1400W
- Thickened Aluminum Heating Plate for even and stable temperature distribution.



Image: Heat press in open position.



Image: Close-up of the digital control panel.



Image: Detail of the pressure adjustment knob.



Image: The bottom plate with its silicone pad.

4. SETUP

Initial Setup:

1. **Unpacking:** Carefully remove the heat press from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the machine on a stable, heat-resistant surface. Ensure adequate space around the unit for safe operation and heat dissipation.
3. **Power Connection:** Plug the machine into a grounded 110V power outlet.
4. **Power On:** Flip the red power switch on the control panel to the 'ON' position. The digital display will illuminate.

Adjusting Pressure:

Proper pressure is crucial for successful heat transfers. The pressure adjustment knob is located on top of the heating plate.

1. Slightly press down the handle to relieve tension.
2. Turn the pressure adjustment knob clockwise to **increase** pressure.
3. Turn the pressure adjustment knob counter-clockwise to **decrease** pressure.
4. Test the pressure by closing the press. It should require firm but manageable effort to close.

Setting Temperature and Time:

The digital control panel allows precise setting of temperature and time.

1. **Temperature Setting:** Press the 'SET' button once. The temperature display will flash. Use the 'Up' and 'Down' arrow buttons to adjust the desired temperature (e.g., 280°F for sticker transfer).
2. **Time Setting:** Press the 'SET' button a second time. The timer display will flash. Use the 'Up' and 'Down' arrow buttons to adjust the desired time in seconds (e.g., 10 seconds for sticker transfer).
3. **Confirm Settings:** Press the 'SET' button a third time to exit the setting mode and save your changes.
4. **Counter Reset:** The bottom display shows the production counter. To reset it, hold down the 'Down' arrow button for approximately 5 seconds until it returns to zero.

Video: Demonstrates setting temperature and time, adjusting pressure, and resetting the counter on the RoyalPress Heat Press.

5. OPERATING INSTRUCTIONS

Once your machine is set up and pre-heated to the desired temperature, you are ready to begin heat transfers.

1. **Pre-heat:** Allow the machine to reach the set temperature. The display will show the current temperature.
2. **Prepare Item:** Place your T-shirt or other flat item onto the bottom silicone pad. Ensure it is flat and smooth.
3. **Position Transfer:** Place your transfer paper (e.g., sublimation print, vinyl) face down onto the item in the desired position.
4. **Press:** Carefully lower the heating plate using the handle until it locks into place. The timer will automatically begin counting down.
5. **Alarm:** Once the timer reaches zero, an alarm will sound. Lift the handle to open the heat press.
6. **Remove Item:** Carefully remove the heated item. For cold peel transfers, allow the item to cool sufficiently before peeling off the transfer paper.



Image: T-shirt placed on the heat press for transfer.



Image: Examples of items suitable for heat transfer, including T-shirts, bags, and mouse pads.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RoyalPress Heat Press.

- **Cleaning the Heating Plate:** Allow the heating plate to cool completely. Wipe it with a soft, damp cloth. For stubborn residue, use a non-abrasive cleaner specifically designed for Teflon surfaces.
- **Cleaning the Silicone Pad:** Periodically wipe the silicone pad on the bottom plate with a damp cloth. Ensure it is dry before next use.
- **Lubrication:** Occasionally apply a small amount of high-temperature grease to the moving parts of the handle and pressure mechanism to ensure smooth operation.
- **Electrical Inspection:** Regularly check the power cord and plug for any signs of damage. Do not use the machine if any electrical components are frayed or damaged.
- **Storage:** When not in use, store the heat press in a clean, dry environment, away from dust and moisture.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Temperature displayed is inaccurate (e.g., 80 degrees hotter than actual).	Sensor calibration issue or faulty sensor.	Verify temperature with an external thermometer. If consistently inaccurate, contact customer support for calibration instructions or replacement.
Machine is wobbly or unstable.	Loose screws or uneven surface.	Ensure all assembly screws are tightened. Place the machine on a completely flat and stable surface.

Problem	Possible Cause	Solution
Machine continuously beeps.	Timer has reached zero or an error code is present.	Lift the handle to stop the timer alarm. If beeping persists without an active timer, check the display for error codes and consult the full user manual.
Machine does not heat up.	Power issue, faulty heating element, or control panel malfunction.	Check power connection and circuit breaker. Ensure the power switch is on. If still no heat, contact customer support.

For more detailed troubleshooting or issues not listed here, please refer to the official user manual PDF or contact RoyalPress customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Royal Press
Model Number	15"x15" Heat Press
Product Dimensions	15 x 15 x 12 inches (15"L x 15"W x 12"H)
Item Weight	41.2 pounds
Voltage	110 Volts
Wattage	1400 watts
Upper Temperature Rating	480°F (250°C)
Material	Aluminum, Teflon, Silicone
Color	Blue (Note: Product description states Black, but specifications and some images show Blue. User manual reflects Blue as per specifications.)
UPC	707772038018
Date First Available	November 20, 2019

9. WARRANTY & SUPPORT

For detailed warranty information and customer support, please refer to the official user manual provided with your product. You can also visit the [RoyalPress Store on Amazon](#) or contact RoyalPress directly for assistance. An electronic version of the user manual is available for download: [User Manual \(PDF\)](#)