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› AKEYDIY 15x15 Slide-Out Clamshell Heat Press Machine User Manual

AKEYDIY HP-5581C

AKEYDIY 15x15 Slide-Out Clamshell Heat Press Machine

Model: HP-5581C

INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your AKEYDIY 15x15 Slide-Out Clamshell Heat Press Machine. This machine is designed for applying images, letters, numbers, and transfers onto various flat items such as garments, t-shirts, bags, mouse pads, puzzles, and ceramic tiles. Please read this manual thoroughly before initial use and retain it for future reference.



15X15 Slide-Out Heat Press Machine

ONE MACHINE HEAT RULE THEM ALL



Image: The AKEYDIY 15x15 Heat Press Machine demonstrating its versatility across various items including apparel, accessories, and home decor.

Safety Instructions

To ensure safe operation and prevent injury or damage, always follow these precautions:

- Read all instructions before using the heat press.
- Keep hands and fingers clear of the heating plate during operation to avoid burns.
- Ensure the machine is placed on a stable, heat-resistant surface.
- Do not operate the machine near flammable materials.
- Unplug the machine from the power outlet when not in use or before cleaning.
- Do not attempt to modify or repair the machine yourself. Contact customer service for assistance.
- Keep children and pets away from the operating machine.

PRODUCT FEATURES

The AKEYDIY Heat Press Machine incorporates several design elements for efficient and user-friendly operation:

- **Double-Tube Heating:** The heating plate utilizes double-tube technology for faster and more uniform heat distribution, ensuring consistent transfer results. The surface is coated with Teflon for durability and easy cleaning.
- **Slide-Out Design:** Features built-in smooth slide rails, allowing the lower platen to be pulled out. This design enhances safety by keeping hands away from the hot upper platen during material placement and removal.
- **15"x15" Heating Plate:** A generously sized heating plate (380x380 mm) accommodates a wide range of items, from small accessories to adult-sized garments. Constructed from thick steel and aluminum die-casting for strength and durability.
- **Digital Controller:** An intuitive digital display provides precise control over temperature (32-450°F / 0-232°C) and time (0-999 seconds). Includes a counting function for tracking production volume and an automatic beep/shutdown feature upon completion.
- **Pressure Adjustment Knob:** Allows for easy adjustment of pressure to suit different material thicknesses, optimizing transfer quality. Turn counter-clockwise to decrease pressure and clockwise to increase pressure.
- **Anti-slip Handle:** Ergonomically designed handle for comfortable and secure grip during operation.
- **Durable Heat Resistant Silicone Pad:** Provides a stable and even surface for pressing, resistant to high temperatures and deformation.

UPGRADED DUAL-TUBE HEATING

More Uniform Heating & Better Printing Effect



OUR

DUAL-TUBE HEATING

5°C/41°F CENTER TEMP
DIFFERENCE

HEAT UP FAST & EVENLY



OTHERS

SINGLE-TUBE HEATING

20°C/68°F+ CENTER TEMP
DIFFERENCE

HEAT UP SLEWLY & UNEVENLY



Time Saving

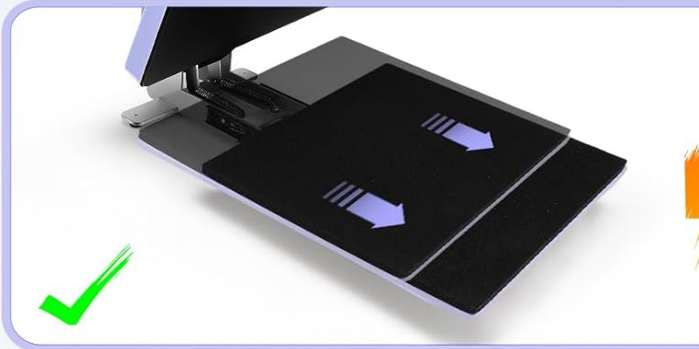


Double-tube Heating

Image: Illustration of the upgraded dual-tube heating system, designed for uniform heat and improved printing effects.

OUR

OTHERS



With Slide Out Design

VS



Can't Slide Out



Double Springs are Stronger

VS

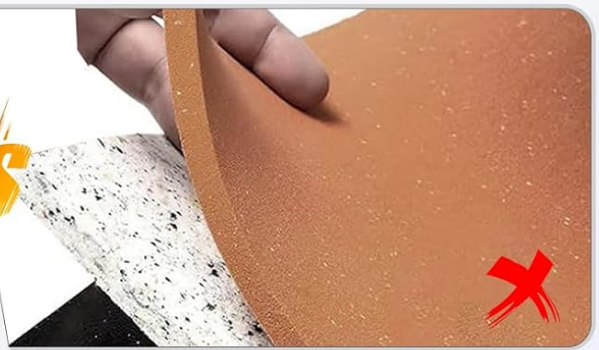


Single Spring



Durable Heat Resistant Silicone Pad

VS



Sponge Mat Easy to Break

Image: Comparison of key features, emphasizing the slide-out design, robust double springs, and durable silicone pad.

SETUP

1. **Unpacking:** Carefully remove the heat press machine and all accessories from the packaging. Inspect for any shipping damage.
2. **Placement:** Place the machine on a sturdy, level, and heat-resistant workbench or table. Ensure there is adequate space around the machine for ventilation and safe operation.
3. **Power Connection:** Connect the power cord to a grounded 110V electrical outlet. Ensure the power switch on the machine is in the OFF position before plugging it in.
4. **Initial Inspection:** Before first use, ensure the heating plate is clean and free of debris. Place the included high-temperature cloth on the heating plate.

OPERATING INSTRUCTIONS

1. Powering On and Digital Controller Overview

Turn on the main power switch located on the side of the machine. The digital controller will illuminate, displaying current temperature and time settings.

EASY DIGITAL LCD CONTROL

Precise control of time and temperature ensures perfect color



Temperature Display

Time Display

Counted Display

Mode Display

TEMP

TIME

COUNT

MODE

+ Start

- Reset

SET

MODE

Plus

Minus or °C/°F Switch

Set up

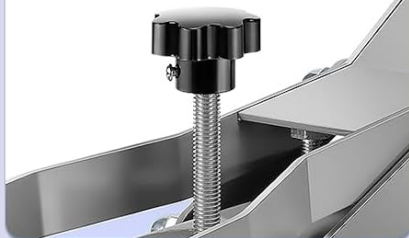
Mode

Ergonomic design
more comfortable to grip



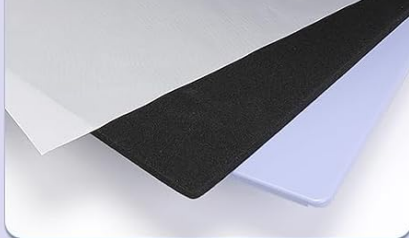
Anti-slip Handle

Easier to adjust the even pressure



Pressure Adjustment

Easy to clean
No deformation at high temperatures



Durable Heat Resistant Silicone Pad

Image: Detailed view of the digital LCD control panel and its functions.

TEMP: Displays the current temperature.

TIME: Displays the remaining time for the transfer.

COUNT: Displays the number of items pressed.

MODE: Indicates the selected preset mode.

+/- Buttons: Adjust values up or down.

SET Button: Enters setting mode for temperature and time.

MODE Button: Cycles through preset modes or custom settings.

2. Setting Temperature and Time

1. Press the **SET** button once to set the temperature. The temperature display will flash. Use the **+/-** buttons to adjust the desired temperature.
2. Press the **SET** button again to set the time. The time display will flash. Use the **+/-** buttons to adjust the desired time.
3. Press the **SET** button a third time to confirm settings and exit the setting mode. The machine will begin heating to the set temperature.
4. To switch between Fahrenheit (°F) and Celsius (°C), press and hold the **+/-** buttons simultaneously.

EASY TIME & TEMP SETTING

New Counting and mode setting function provide more efficiency



Temp Range:
32-410°F/0-210°C



Time Range:
0~999s



Bell Alarm



Auto Shutdown Function



 Plus
 Minus or °C/°F Switch
 Set up
 Mode



Counting Function

THREE PRESET MODES



Mode 1: Tshirts





Mode 2: Customized





Mode 3: Customized



Image: Digital controller displaying temperature, time, and preset modes.

3. Adjusting Pressure

The pressure adjustment knob is located on top of the heating plate assembly. Turn the knob clockwise to increase pressure for thicker materials or counter-clockwise to decrease pressure for thinner materials. Test the pressure on a scrap piece of material if unsure.

4. Performing a Heat Transfer (4 Easy Steps)

BEGINNER-FRIENDLY DESIGN

Create your creative projects in 4 easy steps



Image: Step-by-step guide for performing a heat transfer.

1. **Step 1: Set Appropriate Pressure.** Adjust the pressure knob according to the thickness of your material and transfer type.
2. **Step 2: Set Temperature and Time.** Use the digital controller to set the desired temperature and time for your specific transfer material. Allow the machine to reach the set temperature.
3. **Step 3: Prepare and Transfer.**
 - Pull out the slide-out lower platen.
 - Place your item (e.g., T-shirt) onto the silicone pad. Ensure it is flat and smooth.
 - Position your transfer material (e.g., vinyl, sublimation print) onto the item.
 - Cover with a Teflon sheet or parchment paper if required by your transfer material.
 - Slide the lower platen back into position.
 - Press down the handle firmly to close the heat press. The timer will automatically begin counting down.
4. **Step 4: Done.** Once the timer reaches zero, an audible alarm will sound. Lift the handle to open the press. Carefully

slide out the lower platen and remove your item. Allow the item and transfer to cool before peeling, if applicable.

MAINTENANCE

- **Cleaning:** Ensure the machine is unplugged and completely cool before cleaning. Wipe the heating plate with a soft, damp cloth. For stubborn residue, use a specialized heat press cleaner. Do not use abrasive cleaners or solvents.
- **High-Temperature Cloth:** Always use the included high-temperature cloth or a Teflon sheet between the heating plate and your transfer material to prevent sticking and protect the heating element. Replace if damaged.
- **Storage:** Store the heat press in a dry, dust-free environment when not in use.

TROUBLESHOOTING

Here are solutions to common issues you might encounter:

Small Tips



Hard to Open?



**Adjust the pressure knob
counterclockwise**

Patterns adhered?



**Place the included heat cloth
between the pattern and top**



Image: Visual troubleshooting tips for common operational challenges.

Problem	Possible Cause	Solution
Machine is hard to open/close.	Pressure setting is too high.	Rotate the pressure adjustment knob counter-clockwise to reduce the pressure. For initial opening, hold the handle with one hand and pull the hidden handle at the bottom of the slide-out platen with the other hand.
Patterns are adhering to the heating plate.	No protective layer used, or incorrect protective layer.	Always place the included high-temperature cloth or a Teflon sheet between the heating plate and your transfer material/item. Ensure the Teflon coating on the heating plate is intact.
Uneven heat transfer.	Incorrect pressure, uneven placement, or faulty heating element.	Adjust pressure evenly. Ensure the item is flat on the platen. If issues persist, contact customer service.
Digital display not working.	Power issue or internal fault.	Check power connection. Ensure the power switch is ON. If still not working, unplug and contact customer service.

SPECIFICATIONS

Feature	Detail
Model Number	HP-5581C
Voltage	110V
Wattage	1200 watts
Temperature Range	32-450°F (0-232°C)
Time Range	0-999 seconds
Heating Plate Size	15" x 15" (380 x 380 mm)
Product Dimensions (L x W x H)	38.1 x 38.1 x 45.7 cm
Weight	14.06 kg (30.99 lbs)
Material	Aluminum, Stainless Steel
Color	Purple



Power:	1200-1400W(110V-120V)
Temperature Range:	32-450°F/0-232°C
Voltage/Frequency:	110/220V
Time Range:	0-999s
Heating Plate Size:	15*15 in (380*380 mm)
Package Size:	23.42*19.09*13.98 in
Weight:	14.6kg/32.18lbs

Image: Product specifications overview.

WARRANTY AND CUSTOMER SUPPORT

AKEYDIY provides a 1-year warranty for this heat press machine. For operational videos, technical assistance, or any questions regarding your product, please contact our professional customer service team. We are committed to providing tailored solutions for your needs.

Please refer to your purchase documentation or the AKEYDIY official website for specific contact information.

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Question

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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