

AKEYDIY AK5460C

AKEYDIY 15x12 Heat Press Machine 8-in-1 User Manual

Model: AK5460C

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your AKEYDIY 15x12 Heat Press Machine. This 8-in-1 sublimation combo unit is designed for heat transfer applications on a variety of items, including T-shirts, tumblers, bags, hats, and caps. Please read these instructions thoroughly before initial use and retain them for future reference.

IMPORTANT SAFETY INSTRUCTIONS

- Always operate the heat press on a stable, heat-resistant surface.
- Keep hands clear of the heating element during operation to prevent burns. The machine reaches high temperatures.
- Ensure the machine is properly grounded to prevent electrical shock.
- Do not operate the machine with a damaged power cord or plug.
- Unplug the machine from the power outlet when not in use or before cleaning and maintenance.
- Do not immerse the machine or its electrical components in water or other liquids.
- Keep children and pets away from the operating heat press.
- Use in a well-ventilated area to dissipate any fumes from materials being pressed.
- The swing-away design is intended to enhance safety by moving the heating element away from the work area. Utilize this feature.

PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- Main Heat Press Unit (12"x15" Platen)
- Hat Press Attachment
- Tumbler Press Attachments (9oz, 11oz, 12oz, 17oz)
- Plate Press Attachments (5", 6")
- Power Cord
- User Manual (this document)

PRODUCT OVERVIEW

The AKEYDIY 8-in-1 Heat Press Machine features a robust design for versatile heat transfer applications. Key components include:

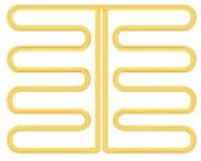
- **Main Platen:** 12"x15" flat heating surface for T-shirts, bags, and other flat items.
- **Control Panel:** Digital display for precise temperature and time settings.
- **Pressure Adjustment Knob:** Located at the top, allows for varying pressure depending on the material thickness.
- **Swing-Away Design:** The heating element can be rotated 360 degrees for safe placement and removal of items.
- **Dual Tube Heating:** Ensures even heat distribution across the platen for consistent results.
- **Teflon Coating:** The heating platen is coated with Teflon for non-stick properties and easy cleaning.
- **Interchangeable Attachments:** Easily swap between flat platen, hat press, mug/tumbler presses, and plate presses.



Image: The AKEYDIY 15x12 Heat Press Machine with its various attachments, including the main platen, mug presses, and hat press, set up on a table.

UPGRADED DUAL-TUBE HEATING

More Uniform Heating & Better Printing Effect



- ✓ Double tube Heating
- ✓ Security Anti-scalding
- ✓ The surface cover is upgraded
- ✓ The center temperature difference is only 5°

OUR



- ✗ Single-tube Heating
- ✗ Poor transfer effect
- ✗ The center temperature difference can be 15°

others



Image: A diagram comparing the upgraded dual-tube heating system of the AKEYDIY heat press with a single-tube heating system, highlighting more uniform heating and better printing effects.

MORE PRACTICAL DESIGN

Make your bussiness more convenient



Fast & Even Heating

Zero to hero in minutes, perfect results every time



360° Swing Away Design

Easy placement, zero burn risk



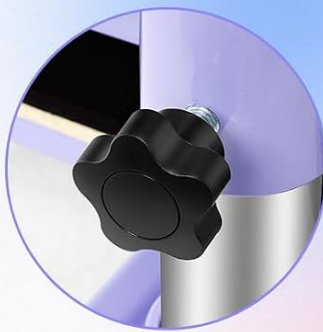
Ergonomic Handle

More comfortable to operate



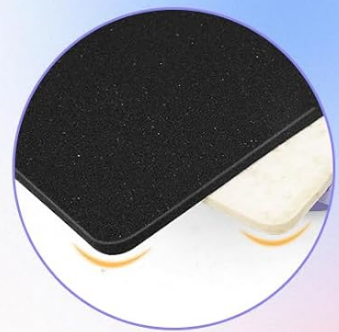
Pressure adjustment knob

Adjust the appropriate pressure value to make the transfer perfect



Anti Swivel Lock

Makes the machine body more stable during the pressing process



2 Durable Silicone Mats

The bottom thickened silicone pad and sponge pad ensure more flat and even pressing

Image: Visual representation of practical design features such as fast and even heating, 360-degree swing-away design, ergonomic handle, pressure adjustment knob, anti-swivel lock, and durable silicone mats.

SETUP INSTRUCTIONS

1. **Unpack:** Carefully remove all components from the packaging.
2. **Placement:** Place the main heat press unit on a sturdy, flat, and heat-resistant surface. Ensure adequate clearance around the machine for the swing-away function.
3. **Attachment Installation:** To install an attachment (e.g., hat press, mug press, plate press), align it with the designated mounting points on the main unit and secure it according to the specific attachment's instructions. Ensure it is firmly locked in place.
4. **Power Connection:** Connect the power cord to the machine and then plug it into a grounded 110V AC power outlet.

5. **Initial Inspection:** Before first use, inspect all connections and ensure no parts are loose or damaged.

OPERATING INSTRUCTIONS

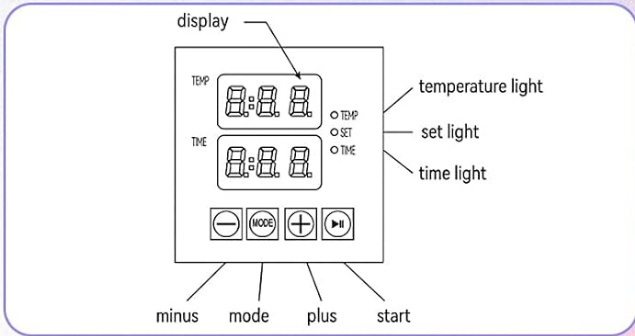
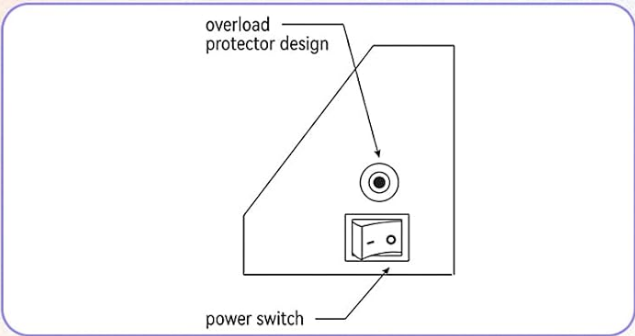
General Operation (Control Panel)

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

1. **Power On:** Flip the power switch to the "ON" position. The display will illuminate.
2. **Set Temperature:** Press the "MODE" button until the temperature setting (TEMP) flashes. Use the "+" and "-" buttons to adjust the desired temperature (up to 410°F / 210°C). Press "MODE" again to confirm.
3. **Set Time:** Press the "MODE" button until the time setting (TIME) flashes. Use the "+" and "-" buttons to adjust the desired time (up to 999 seconds). Press "MODE" again to confirm.
4. **Start Heating:** Press the "START" button to begin heating. The machine will heat up to the set temperature. An audible alarm may sound when the target temperature is reached.
5. **Temperature Unit:** The display allows switching between Fahrenheit (°F) and Celsius (°C).

HOW TO CONTROL & ADJUST

Precise control of time and temperature ensures perfect color



	Ironing technology	Recommended temperature	Recommended time
T-Shirt	Heat transfer vinyl DTF transfer Sublimation	Heat transfer vinyl (20s) DTF transfer(18s)	Heat transfer vinyl (320°F) DTF transfer(310°F)
Mug	Sublimation	60-90s	360-370°F
Plate	Sublimation	60-70s	360-370°F
Cap	Sublimation	60-90s	360-370°F



Timer range
0-999s



Heat up to
400°F



Bell
Alarm



Over Temp
Warning

Image: A detailed view of the control panel, showing buttons for temperature and time adjustment, along with a table of recommended settings for various items.

Recommended Settings Table

Item	Technology	Recommended Temperature	Recommended Time
T-Shirt	Heat transfer vinyl	320°F	20s
T-Shirt	Sublimation	310°F	18s
Mug	Sublimation	360-370°F	60-90s
Plate	Sublimation	360-370°F	60-70s
Cap	Sublimation	360-370°F	60-90s

Note: These are general recommendations. Always perform test presses and refer to your material and transfer paper manufacturer's guidelines for optimal results.

Specific Application: T-Shirt Printing

1. **Prepare Item:** Place the T-shirt flat on the lower platen. Ensure it is smooth and wrinkle-free.
2. **Adjust Pressure:** Use the pressure adjustment knob to set the desired pressure. For T-shirts, a medium to firm pressure is typically required.
3. **Pre-press (Optional):** Close the heat press for 5-10 seconds to remove moisture and wrinkles from the fabric.
4. **Position Design:** Place your transfer design onto the T-shirt in the desired location. Cover with a Teflon sheet or parchment paper if recommended by your transfer material.
5. **Press:** Swing the heating platen over the T-shirt and close the press. The timer will begin counting down.
6. **Remove:** Once the timer alarm sounds, open the press and swing the heating platen away. Carefully remove the transfer paper according to its instructions (hot peel or cold peel).



HOW TO PRINT A T-SHIRT?

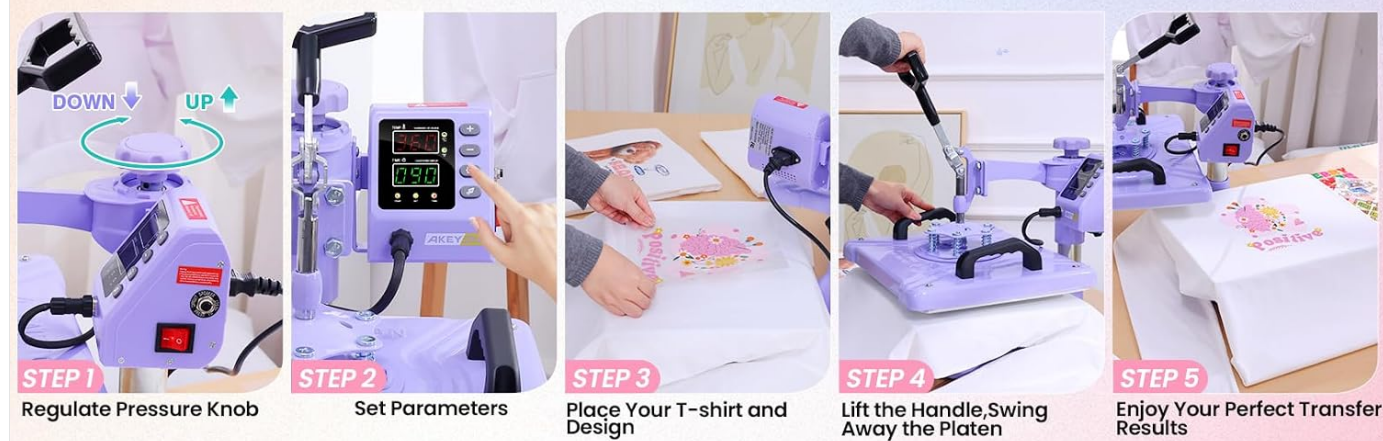


Image: A visual step-by-step guide demonstrating how to print a T-shirt, including regulating the pressure knob, setting parameters, placing the T-shirt and design, lifting the handle, and enjoying the transfer results.

Video: 8-in-1 Heat Press - DIY Fun for All Projects

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Video: This video demonstrates the versatility of the 8-in-1 heat press machine, showcasing its use for various DIY projects and applications.

Video: 8 in 1 Heat Press Ideal for T-Shirt, Hat, Mug DIY Printing

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Video: This video illustrates the application of the 8-in-1 heat press for printing on T-shirts, hats, and mugs, highlighting its suitability for DIY printing projects.

Video: Pro Heat Press 8 in 1 - Precision & Durability

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Video: This video highlights the precision and durability features of the 8-in-1 heat press, demonstrating its robust construction and accurate control for professional results.

MAINTENANCE

- **Cleaning the Platen:** Allow the heating platen to cool completely. Wipe the Teflon-coated surface with a soft, damp cloth. For stubborn residue, use a non-abrasive cleaner specifically designed for Teflon surfaces. Do not use harsh chemicals or abrasive pads.
- **Cleaning the Machine Body:** Wipe the exterior of the machine with a soft, dry cloth.
- **Regular Inspection:** Periodically check the power cord for any signs of damage. Ensure all attachments are securely fastened.
- **Storage:** Store the heat press in a clean, dry environment when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not power on.	Power cord not plugged in; power switch off; circuit breaker tripped.	Ensure power cord is securely plugged into a live outlet. Check power switch. Reset circuit breaker if necessary.
Uneven heating or poor transfer results.	Incorrect temperature/time settings; uneven pressure; worn-out silicone mat; faulty heating element.	Verify settings against recommended values. Adjust pressure knob. Inspect and replace silicone mat if damaged. Contact support if heating element is suspected.
Transfer material sticking to platen.	No Teflon sheet or parchment paper used; incorrect peel method (hot/cold peel).	Always use a protective sheet. Follow transfer material instructions for peeling. Clean platen if residue is present.

Problem	Possible Cause	Solution
Machine makes unusual noises.	Loose components; internal issue.	Check for any loose screws or parts. If noise persists, discontinue use and contact customer support.

SPECIFICATIONS

- **Brand:** AKEYDIY
- **Model Number:** AK5460C
- **Material:** Metal
- **Product Dimensions (L x W x H):** 15" x 12" x 18"
- **Main Platen Size:** 12" x 15"
- **Voltage:** 110 volts
- **Wattage:** 900 watts
- **Upper Temperature Rating:** 410°F (210°C)
- **Lower Temperature Rating:** 32°F (0°C)
- **Timer Range:** 0-999 seconds
- **Recommended Uses:** Hat, Plate, T-Shirt, Tumbler, Bag, Cap

WARRANTY AND SUPPORT

This AKEYDIY Heat Press Machine comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects under normal use.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact AKEYDIY customer support. Refer to your purchase documentation for specific contact information or visit the official AKEYDIY website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question