

## AKEYDIY FlexiPress 8in1

# AKEYDIY FlexiPress 8-in-1 Heat Press Machine User Manual

MODEL: FLEXIPRESS 8IN1

Brand: AKEYDIY

## 1. IMPORTANT SAFETY INSTRUCTIONS

---

Please read all safety instructions carefully before operating the AKEYDIY FlexiPress 8-in-1 Heat Press Machine. Failure to follow these instructions may result in injury or damage to the machine.

- Always ensure the machine is placed on a stable, heat-resistant surface.
- Keep hands and clothing clear of the heating elements during operation to prevent burns.
- Do not touch the heating platen or attachments when the machine is hot. Use heat-resistant gloves if necessary.
- Unplug the machine from the power outlet when not in use or before cleaning and maintenance.
- Do not operate the machine with a damaged power cord or plug.
- Keep the machine away from water or other liquids to avoid electric shock.
- This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Ensure proper ventilation in the work area.

## 2. PRODUCT OVERVIEW

The AKEYDIY FlexiPress 8-in-1 Heat Press Machine is a versatile tool designed for transferring images onto various items using sublimation. It features multiple attachments for different product types.



Figure 2.1: Overview of the AKEYDIY FlexiPress 8-in-1 Heat Press Machine and its capabilities.

### Main Components:

- **Main Platen Press (15x12 inch):** For T-shirts, flat items.
- **Mug Press Attachments:** Various sizes for different mugs and tumblers.
- **Hat/Cap Press Attachment:** For curved surfaces like hats.
- **Plate Press Attachments:** For different sizes of plates.
- **Digital Control Box:** For setting temperature and time.
- **Pressure Adjustment Knob:** To adjust pressing force.
- **Swing-Away Arm:** Allows the heating element to be moved safely away from the work area.

# DIGITAL CONTROLLER

LCD displays show the temperature (in F/C) and time



- Light
- Temperature Display
- Overload Protector
- Minus
- Plus
- Set



- Thickened design
- 2 Layers of Thermal Insulation Cotton

Upgrade thickened plate

Anti-scalding, heating evenly



360 Degree Swing



Super Wide Range



Thermal Insulation Cotton

Figure 2.2: Main parts overview of the heat press machine.

# MAIN PARTS OVERVIEW



360-Degree Swing Away  
Rated Power: 850W  
Rated Frequency: 50-60Hz  
Rated Voltage: 110V  
Length of the Cable: 1.5M  
Highest Temperature: 200°C/390°F  
Transfer Size: 29x38cm/11.4x15.0Inch

## PRODUCT SPECIFICATIONS



Figure 2.3: Detailed view of the digital control panel and heating plate construction.

### 3. SETUP INSTRUCTIONS

Follow these steps to set up your heat press machine for first use.

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present.
2. **Placement:** Place the main unit on a sturdy, level, and heat-resistant workbench. Ensure there is adequate space around the machine for safe operation and heat dissipation.
3. **Power Connection:** Connect the power cord to a grounded electrical outlet (110V).
4. **Attaching Accessories:**
  - To attach a mug, hat, or plate press, align the attachment with the designated mounting points on the main unit. Secure it firmly using the provided screws or locking mechanisms.
  - Connect the attachment's electrical cable to the corresponding port on the main unit or control box.

5. **Initial Power On:** Turn on the power switch. The digital control panel will illuminate.

## 4. OPERATING INSTRUCTIONS

This section details the general operation of the heat press and specific procedures for different items.

### 4.1 Digital Control Panel Operation

#### TEMPERATURE DIGITAL REGULATOR



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

1. **Power On:** Flip the main power switch located on the side of the control box.
2. **Set Temperature:** Press the 'SET' button. The temperature display will flash. Use the '+' and '-' buttons to adjust the desired temperature (e.g., 385°F for sublimation). Press 'SET' again to confirm.
3. **Set Time:** After setting the temperature, press 'SET' again. The time display will flash. Use the '+' and '-' buttons to adjust the desired pressing time (e.g., 60 seconds). Press 'SET' one more time to confirm.
4. **Heating:** The machine will begin heating to the set temperature. The 'TEMP' indicator light will be on. Once the set temperature is reached, the machine will beep, and the 'TEMP' light may turn off or change color.

## 4.2 General Heat Transfer Process

1. Prepare your design on sublimation paper.
2. Pre-heat the machine to the desired temperature.
3. Place the item (e.g., T-shirt, mug) on the appropriate platen/attachment.
4. Position the sublimation paper with the design face down onto the item. Secure with heat-resistant tape if needed.
5. Swing the heating element over the item (if using swing-away design).
6. Lower the handle to apply pressure. The timer will automatically start counting down.
7. Once the timer reaches zero, the machine will beep. Lift the handle and swing the heating element away.
8. Carefully remove the item and peel off the sublimation paper (hot peel or cold peel depending on the material and paper).

## 4.3 Specific Item Instructions



Figure 4.2: The 8-in-1 heat press supports various custom items.

The following video demonstrates the versatility of the AKEYDIY FlexiPress 8-in-1 Heat Press Machine for

various applications:

Your browser does not support the video tag.

Video 4.1: Demonstration of the AKEYDIY FlexiPress 8-in-1 Heat Press Machine for apparel and mug designs. This video showcases the machine's ability to create custom designs on various items like shirts, hats, and mugs, highlighting its multi-functional capabilities and ease of use.

#### 4.3.1 T-Shirt/Flat Item Pressing

- Attach the flat platen.
- Place the T-shirt or flat item on the platen. Ensure it is smooth and wrinkle-free.
- Place the sublimation paper face down on the item. Cover with a Teflon sheet or parchment paper.
- Adjust pressure using the knob. Close the press and start the timer.

#### 4.3.2 Hat/Cap Pressing

- Attach the hat press attachment.
- Place the hat onto the curved platen.
- Position the design on the hat.
- Close the press, ensuring even pressure. Start the timer.

#### 4.3.3 Mug/Tumbler Pressing

- Attach the appropriate mug press attachment.
- Wrap the sublimation paper tightly around the mug/tumbler and secure with heat-resistant tape.
- Insert the mug into the mug press. Adjust pressure so it's snug but not overly tight.
- Close the press and start the timer. If printing a full wrap design, rotate the mug halfway through the pressing time for even heat distribution.

#### 4.3.4 Plate Pressing

- Attach the correct size plate press attachment.
- Place the plate on the lower platen.
- Position the design on the plate.
- Close the press and start the timer.

## 5. MAINTENANCE

---

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

- **Cleaning:** After each use, allow the machine to cool down completely. Wipe down the heating platen and other surfaces with a soft, dry cloth. For stubborn residue, use a mild cleaner specifically designed for heat press platens. Do not use abrasive cleaners.
- **Storage:** Store the machine in a dry, dust-free environment.
- **Inspection:** Regularly inspect the power cord for any signs of damage. Check all connections and moving parts for wear and tear.
- **Lubrication:** Periodically apply a small amount of high-temperature grease to moving parts, such as the

swing arm pivot points, to ensure smooth operation.

## 6. TROUBLESHOOTING

Refer to this table for common issues and their solutions.

Problem	Possible Cause	Solution
Machine does not power on	No power, loose connection, faulty power cord	Check power outlet, ensure cord is securely plugged in, inspect cord for damage.
Uneven heating	Faulty heating element, incorrect pressure	Contact customer support. Ensure pressure is evenly distributed across the platen.
Transfer not adhering	Incorrect temperature, insufficient time, low pressure, wrong material	Verify temperature and time settings. Increase pressure. Ensure item is suitable for sublimation.
Design is faded or blurry	Insufficient time, low temperature, incorrect paper/ink	Increase pressing time or temperature. Ensure correct sublimation paper and ink are used.
Machine beeps continuously	Set temperature/time reached, error code	This is normal when target temperature/time is reached. If persistent or accompanied by an error code, consult the manual or contact support.

## 7. SPECIFICATIONS

Technical specifications for the AKEYDIY FlexiPress 8-in-1 Heat Press Machine.

Feature	Detail
Model Number	MasterPress AKEYDIY PRO (FlexiPress 8in1)
Power	850W
Rated Voltage	110V
Rated Frequency	50-60Hz
Main Platen Size	15 x 12 inches (29 x 38 cm)
Temperature Range	0-482°F (0-250°C)
Time Range	0-999 seconds

Feature	Detail
Product Dimensions	18.8"L x 21"W x 17.6"H
Item Weight	43 Pounds
Material	Alloy Steel, Aluminum, Metal, Stainless Steel
UPC	661954044849

## 8. WARRANTY AND SUPPORT

---

AKEYDIY products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official AKEYDIY website. Please retain your proof of purchase for warranty claims.