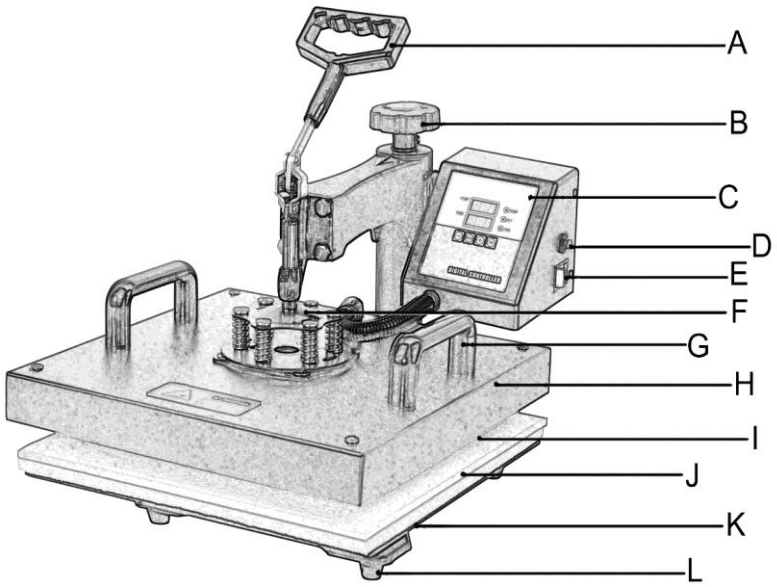
Multi-function Digital Heat Press Machine Manual

I. Summary

Dear user, thank you for choosing the SH08 (Single) Dual Display Intelligent Multifunctional (Combo) Heat Transfer Machine. This machine is controlled by a microprocessor program to provide higher control accuracy. We adopt advanced design concepts, independent control unit structure, and convenient machine combination upgrades and after-sales service.

The heat transfer machine features a 360-degree lifting and rotating function, making it convenient for retrieving items and handling objects of certain thicknesses. With this model, you can heat transfer and bake any colored logos, portraits, landscape patterns, and more. It can be applied to various products such as cups, plates, hats, heat transfer clothing (T-shirts), mouse pads, pillows, and metal accessories.

It is particularly suitable for advertising, gifts, promotional activities, and other occasions. It can also meet the demands for personalized items, combining both artistic appreciation value and practicality. This model can be combined as needed, such as 4 in 1, 5 in 1, 6 in 1, 7 in 1, 8 in 1, and up to 15 in 1, offering different combinations.



A: **Handle**
B: **Pressure Adjustment Knob**
C: **Controller**
D: **Overload Reset Button**
E: **Switch**
F: **Pressure Adjustment Dial**
G: **Anti-Scald Armrest**
H: **Casing**
I: **Heating Plate**
J: **Heat Insulation Pad**
K: **Base**
L: **Support Leg**

II. Technical specifications

· Voltage: 220V / 110V

· Frequency: 50HZ / 60 HZ

· Power: 1250W

· Heating plate size (flat heat transfer): 380X380mm / 1250W

· 8-inch heating plate pad: Diameter 122mm / 200W

· 10-inch heating plate pad: Diameter 155mm / 260W

· Regular heating cup pad size: 11oz, heating film size: 115 X 220mm (unfolded) / 350W

(suitable for thermal transfer of mugs with a diameter of approximately 8.1cm and a height of approximately 9.5cm)

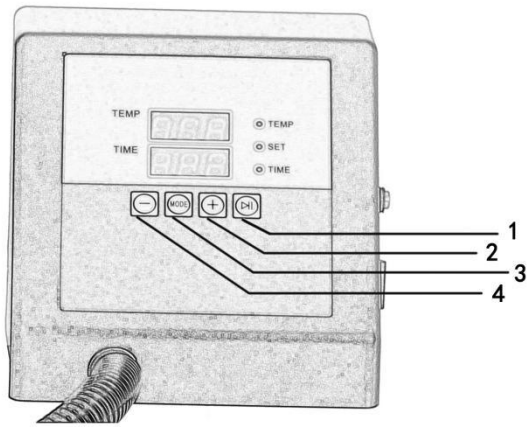
· Hat baking pad: Suitable for printing images on the upper part of the hat brim, size: 14 X 8cm

· Temperature range: 200-450 degrees Fahrenheit (℉) (equivalent to 93-232 degrees Celsius (℃))

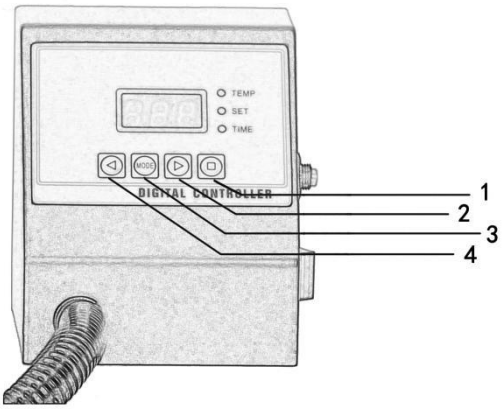
· Time control range: 1-999 seconds

· Packaging size: 46cm x 47cm x 41cm

III. Controller Key Diagram



(Dual-display controller)



(Single-display controller)

1： -（◀）Minus subtraction key
2： MODE key
3：+（▶）Plus addition key
4：Execute key

For the dual-display controller, the upper display shows the real-time temperature and the set temperature, while the lower display shows the time. Both time and temperature can be displayed simultaneously.

For the single-display controller, it displays the temperature when setting the temperature and heating up, and displays the time when setting the time and countdown.

IV. Operation Instructions

Setting the operating procedure: (The default temperature display of this device is in Fahrenheit)

Starting temperature: Press the MODE key once, at this point, the SET indicator light will illuminate. Use the + (▶) or - (◀) keys to set the starting temperature.

Highest temperature: Press the MODE key a second time, at this point, the TEMP and SET indicators lights will illuminate. Use the + (▶) or - (◀) keys to set the highest temperature.

Setting time: Press the MODE key a third time, at this point, the TIME indicator light will illuminate. Use the + (▶) or - (◀) keys to set the highest temperature heating time.

Ready-to-execute state: Press the MODE key a fourth time, the machine will enter the ready-to-execute state.

Once the temperature reaches the set highest temperature, press the execute key to start the countdown.

Alternatively, you can also press the execute key before the temperature reaches the highest temperature,and the countdown will automatically start once the temperature reaches the highest temperature. When the countdown is completed, the machine will emit a beeping sound to indicate the end of the heating process.

This machine is equipped with a temperature setting self-locking function. For example, if the starting temperature is set to 340 degrees, the machine will automatically limit the maximum temperature setting range to 340-450 degrees. Conversely, if the maximum temperature is set to 250 degrees, the machine will automatically limit the starting temperature setting range to 200-250 degrees.

Starting temperature ≤ Maximum temperature

V. Temperature Format Setting

This product can be set in two temperature formats: Fahrenheit and Celsius. The default temperature format of the product is Fahrenheit. To perform the conversion, please follow the instructions below:

Fahrenheit to Celsius Conversion Setting Method: Simultaneously press and hold the + (▶) and - (◀) keys for 5 seconds. The machine will display "p1d". Press the MODE key, and the machine will display "F-C".

1. Press the - (◀) key, and the machine will display "F". Then press the MODE key twice to exit. The temperature format is now set to Fahrenheit.
2. Press the + (▶) key, and the machine will display "C". Then press the MODE key twice to exit. The temperature format is now set to Celsius.

VI. Accessory Replacement

When you need to replace the accessories, you can loosen the two screws in the middle of the pressure plate (as shown in the diagram, A and B) to remove the original accessories. Then, fix the two screws on the new accessory into the screw slots below the pressure plate and tighten the screws at A and B to secure the heating element onto the pressure adjustment knob.

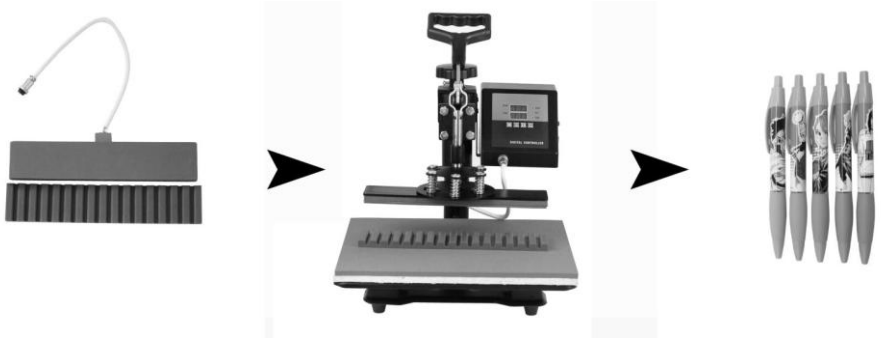
By replacing different accessories, you can achieve the following combinations to meet your printing needs for different items:

Machine for printing on hats:

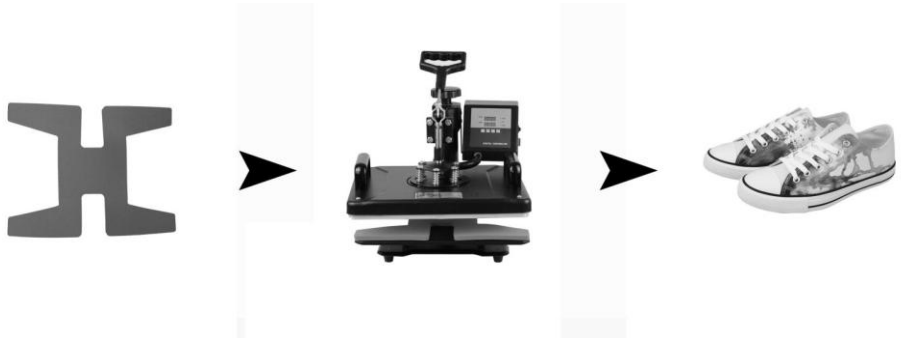
Install the hat printing accessories onto the base as shown in the picture. **There are two screws installed in the middle section of the base, which are used to secure the lower part of the hat printing accessory.**

Machine for printing on plates:

Machine for printing on pens:

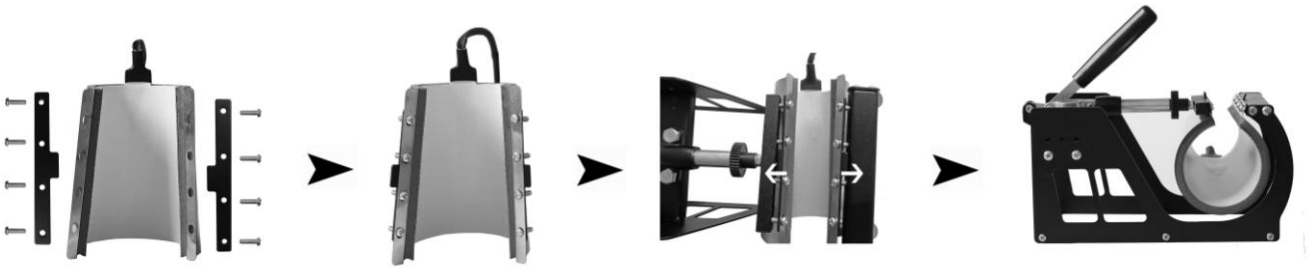


Machine for printing on shoes:



Machine for printing on cups:

Method to secure the heating pad for printing on cups to the cup printing machine rack:

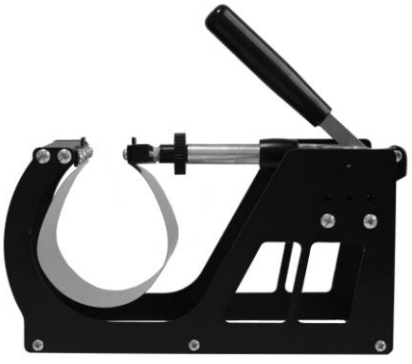


1 2 3 4

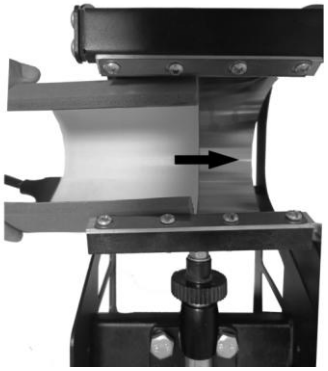
(3.You can simply insert the screws directly into the corresponding holes, no need to tighten.)

As shown in the figure: Secure the black iron plate to the stainless steel plate of the heating pad using screws, then simply insert the screws into the corresponding holes on the rack. The design uses a plug-in mechanism, so there's no need to tighten the screws.

Note: Some of the heating pads used for printing cups do not come with attached stainless steel plates. At the same time, there is an independent stainless steel plate without the attached heating pad. This stainless steel plate serves as a shared base for the aforementioned heating pads. To use it, simply fix the stainless steel plate to the cup printing machine's rack following the above method, and then insert the heating pad for printing cups into the stainless steel plate. Please refer to the following illustration:



(Step 1)



(Step 2)

VII. Precautions:

1. Before using this machine, please check if the rated voltage of the machine matches the power supply voltage and ensure there is a reliable grounding connection.
2. When replacing the heating components, it is necessary to turn off the machine and unplug the power cord. When replacing the heating components that are still in a high-temperature state, please wear insulated gloves.
3. During use, avoid prolonged dry heating of the heating components. If the power is not disconnected, place a heat-resistant object (such as a scrap item that can be reused) to prevent dry heating. Be careful not to damage the heating components with sharp parts of the object.
4. During use, avoid direct contact between the body and the heating components to prevent burns.
5. If you feel excessive pressure when pressing down the handle, adjust the pressure adjustment knob to raise the head and reduce the compression of the pressure spring. Otherwise, it may damage the mechanical strength of the machine.
6. When lifting the head, make sure to first loosen the head locking handle. Additionally, when reaching the lower limit, you will feel significant resistance on the lifting adjustment wheel. Do not continue unnecessary operations.
7. When locking the head, there is no need to excessively tighten the head locking handle. Tighten it until you feel noticeable resistance.
8. Do not allow minors to come into contact with the machine without supervision, even when the machine is not in use!
9. It is strictly prohibited to use the heating components for plate printing to heat other objects. These heating components are only intended for printing on ceramic plates!

Note for part replacement: Align the recessed part of the aviation plug with the protruding part of the control box for easy insertion. Forcing it in without alignment can damage the components and control box.

VIII.Printing Personalized Gifts Process:

To print personalized DIY products, you will need the following equipment and materials:

1. Ink jet printer/ six colors printer (For example: Epson R-230 / R270 / R290 / T50)
2. CISS (Continuous ink supply system) Different models of Ink jet Printer will need different CISS.
3. Sublimation ink / Heat transfer ink;
4. High-temperature resistant tape;
5. Sublimation paper / Heat transfer paper (for Ceramic and fabric)
6. Paper cutter
7. Press mug / cup and plate: Normal mug and plate will can not use for press, Only sublimation mug and plate can be use.

1. Print the designed image using a printer with heat transfer ink onto heat transfer paper or sublimation paper (mirror printing may be required for certain items).
Sublimation paper (smooth surface) needs to be air-dried after printing before transferring.
2. Cut the image to the desired size and wrap it around the surface of the item (image facing the item), securing it with high-temperature tape.
3. Turn on the power of the heat transfer device and set the appropriate temperature and time based on the specific product to be printed. (Sample testing is required and approval should be obtained before mass production for various products.)
4. Adjust the appropriate pressure based on the specific product to be printed.
5.The machine will automatically enter the heating and transferring phase. Once the temperature reaches the set point, the machine will start the countdown. When the countdown reaches "0," the machine will emit a long "beep" sound. Turn off the power, remove the printed item, and peel off the transfer paper. The DIY gift is now completed.

IX.Recommended Temperature and Time for Different Items:

Serial Number	Heat transfer products:	Starting Temperature	Maximum Temperature	Heat Transfer Time/seconds	Remarks
1	White mug, sports water bottle	320	330	160~170	
2	Color-changing mug	320	330	150	
3	Thermal cup	320	330	60	
4	Premium white mug	320	330	185	
5	Heart-shaped color-changing mug	310	320	160	
6	Cone-shaped cup	320	330	200	
7	Mouse pad	360	360	60	
8	Print on light-colored cotton T-shirt	360	360	10-15	Hot Peel, Tear immediately after printing
9	Print on dark-colored cotton T-shirt	360	360	10	
10	Print on white milk silk, modal polyester T-shirt	360	360	60	
11	Puzzle	360	360	60	
12	2D heat transfer phone case	360	360	60	
13	Makeup mirror/keychain/heat transfer metal plate	360	360	40	
14	Heat transfer pillow	360	360	60	
15	Heat transfer plate	340	340	380	
16	Porcelain tile/slate painting	330	330	360	Reverse Printing - Paper underneath
17	0.5cm heat transfer glass painting	330	330	180-200	Forward Printing - Paper on top
18	1cm heat transfer glass painting	330	330	360-400	Reverse Printing -

					Paper underneath
19	Heat transfer lighter	310	320	120	
20	Polyester hat	360	360	160	
21	Cotton hat	360	360	10~15	Hot Peel, Tear immediately after printing
22	Heat transfer wooden board painting	340	340	65	

NOTE:

The parameter settings for the above heat transfer time and temperature are for reference only. The specific settings should be based on the different materials of the printed products and the actual heat transfer effect.

Given that consumables produced by different manufacturers may vary slightly, the required time and temperature may also differ. It is advisable to consult the supplier of the consumables directly.

Sample printing must be conducted before mass production for all products to ensure the desired heat transfer effect.

Heat Transfer Printing: Clean the surface of the porcelain plate with a cloth. Apply the transfer paper to the surface of the plate and secure it with high-temperature tape. Place the porcelain plate with the front side up in the center of the foam silicone pad on the base. Adjust the height of the print head if the pressure is too high or too low.

Common Issues in Heat Transfer Printing:

a) Faded colors: Uneven temperature, uneven pressure, or insufficient time.
b) Blurry design: Excessive time causing ink spreading.
c) Lack of gloss on the design surface: Excessive pressure or high temperature.
d) Partially blurry design: Uneven heat distribution in the transfer area.
e) Scarring on the design: Excessive heat transfer time.
f) Paper sticking: Excessive temperature or poor coating on the object for transfer.