

# Digital High Pressure Heat Press Machine

## Instruction

### **Preface:**

Heat transfer presses are the perfect solution for small businesses and craft persons involved in heat transfer of ink jet and other transfer papers.

These simple machines make transferring your images to fabric a breeze. No more ironing! These provide far better pressure and temperatures necessary than what a hand iron can deliver, in a fraction of the time! Very easy to use; just position your transfer on the pad and drop the heat pad and lock in place for a few moments, and there it is. Fully adjustable temperature control, as well as a temperature gauge so you know how hot it is. Also, a **digital timer** is included on the machine so you don't fry your transfers.



- ①: Control Panel
- ②: Pressure Knob
- ③: On/Off Switch
- ④: Teflon Sheet
- ⑤: Handle Bar Grip
- ⑥: Heating Board
- ⑦: Silicon Gel Pad

### **Start up**

First of all, we should distinguish the material of the Clothing; for different clothing, we have different printing methods. There are two kind of methods: (1) For 75%-100% cotton T-shirt, you can use **sublimation ink** printing onto **T-shirt transfer paper**; **Temperature: 180°C Time: 15-30S.**

(2) Another way is to use **Pigment ink** (or **Sublimation ink**) printing onto **Inkjet transfer paper**, In this way, you can transfer images onto silk, fiber, terylene etc material , **temperature: 180°C Time: 80-120S.**

# Procedures

## 1. Preparation



Use pigment ink or sublimation ink to print the pictures out.



Cut out the picture for transferring  
Trim the side of picture



Prepare the T-shirt for transferring



Adjust the pressure by pressure knob

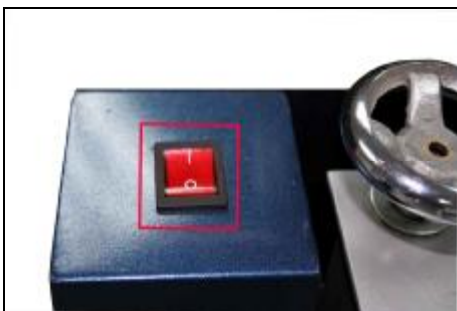


Flattening the T-shirt on the Silica Gel Board



Place the transfer ink side down onto T-shirts

## 2. Setting of the Control panel



Turn on the power switch



Temperature light-ON



Select with arrows temperature required,  
(Normally 180°C)  
**Left** arrow select Up.  
**Right** arrow select Down



Press **OK** button after temperature set now timer light-ON



Select with arrows time required,  
**(Note: 20-30 seconds** for 75%-100% cotton T-shirt  
**120 seconds** for the material as silk, fiber, etc.)



Press **OK** button again,  
 The program will stay in memory of the control board and the temperature starts to rise

### 3. Transferring



Once the temperature rise to the required 180°C the buzzer will send out a short sound



Close the handle of the press and press **OK** button



Now time is counting down

### 4. Finish



When the time reaches to the set point, the buzzer sing again. Open the press.



Tear paper backing slightly  
**(Note: if it is heat transfer paper, pls do that as soon as possible, and if it is cool transfer paper, pls brushing the transfer paper by scrubbing brush, after 5-10 seconds, then take out the paper.)**



Beautiful pictures have been transferring to the T-shirt.

## Technical Specification

Voltage: 110V/220V

Power: 1800W

Current: 15A

Temperature Range: 0-250 °C

Time Range: 0-3 Minutes

Worktable Size: 15 Inch \*15 Inch

16 Inch \* 20 Inch

16 Inch \* 24 Inch

Box Size: 73CM\*50CM\*45CM

76CM\*64CM\*42CM

73CM\*71CM\*44CM

Gross Weight: 28kg

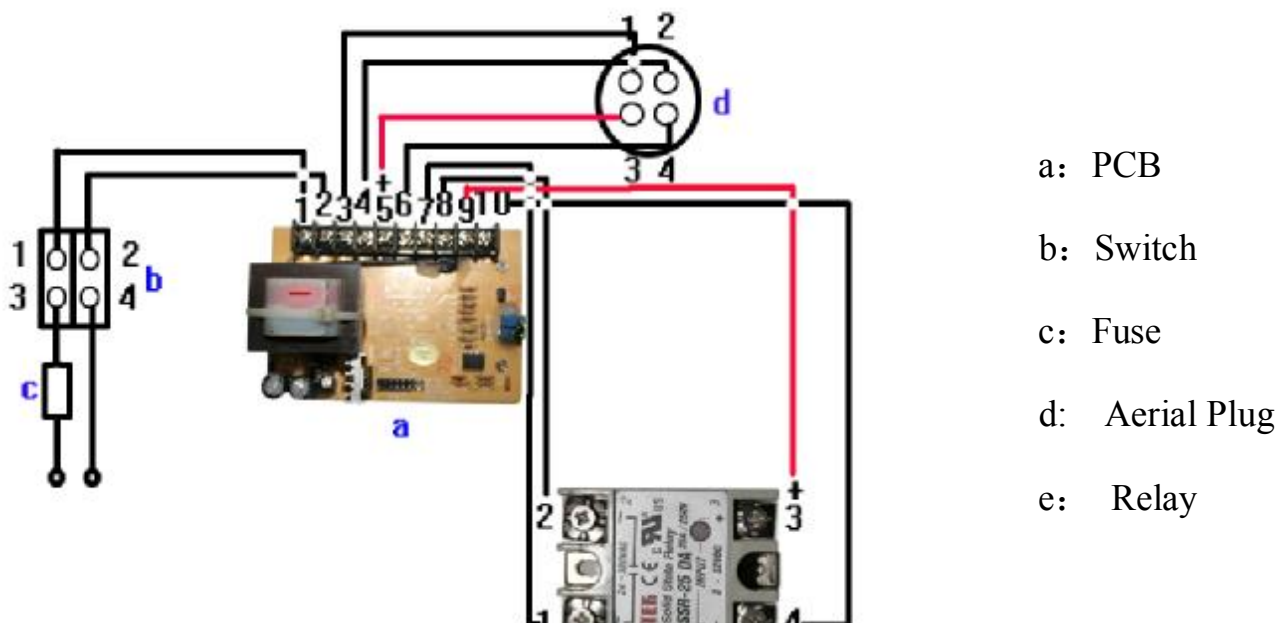
31.3kg

35.2kg

## Trouble shooting for transfer quality:

- A. If the color is pale: the temperature is too low / the pressure is not correct / or not pressed long enough.
- B. If the picture is blurring: Too much transfer time causes proliferation.
- C. If a part of picture is blurring: Heat was not distributed correctly through heat plate. Allow more time between press operations. Pressure distribution can also be the cause, which can be set on the four plate surface adjusters. Please note that it has been factory set and there should be no need to adjust them
- D. If the pattern is scarred: Transfer time is too long.
- E. The pattern of color is different: the pressure is not correct or the transfer paper is poor quality
- F. Adhesive paper: the temperature is too high or poor printing ink

## Circuit Diagram



## **PCB Definition:**

- 1, 2 Electrical source tie-in;
- 3, 4 Radiation pipe tie-in;
- 5, 6 Sensor tie-in;
- 7, 8 Relay output tie-in;
- 9, 10 Relay input tie-in

## **Maintenance:**

### **I . No action after switch on the power**

- 1. Check the plug whether it touches well
- 2. Check the fuse whether it have been burn out.
- 3. Check the lead wire of the switch whether it have been fallen

### **II . The display screen are working well, but the no temperature increasing on the Silica Gel Board**

- 1. Check whether the tie-in of the Silica Gel touches well.
- 2. Check the 3,4 on PCB in the back box whether it touches well.

### **III. The display screen is un-normal, but the Silica Gel heats.**

Maybe for the fault of the PCB

### **IV . The display screen and Silica Gel works well, but un-normal show of the temperature.**

- 1. Check whether the tie-in of the Silica Gel touches well.
- 2. Check the 5, 6 on PCB in the back box whether it touches well.

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- Advise:**
- 1. Because the material and the thickness of the clothing are different, the temperature and the time are different too.
  - 2. The temperature and the time are only for reference. And pls first try a sample to adjust the best temperature and time.
  - 3. The best setting temperature are 180°C, pls do not over 220°C, and the transferring time should be within 3 minutes.
  - 4. To make sure that the circuit can bear high-power machine, or it will bring about faulty of the fuse etc.