

# Instructions of New Type high-pressure heat press Machine with smart meter



## A、 Structure

- ①power switch
- ②time and temperature controller
- ③heating plate
- ④pressure regulating bottom
- ⑤handle

## B、 Main usages

New type high-pressure heat press machine with smart meter can transfer patterns onto fabrics like cotton, linen, chemical fabric through heat transfer technology. Heat treatment of Silk screen printing ,glue, foam printing can also be achieved by this machine. Color code, portrait photo, landscape pictures and other patters also can be removed onto vitrolite and metal plate which is especially suitable for making medals, commemorative card, portrait of the deceased, T-shirt with signs . Its great virtue is economic and practical .

## C、 Product features

We use digital displaying thermostatic controller which provides high accuracy ( $\pm 2^{\circ}\text{C}$  ,  $\pm 35.6^{\circ}\text{F}$  )

with fine adjustment switch ;

Heating tube and heating board are integrated into one with advantage of safety, durability, and well-distributed thermal .

This machine has the function of Automatic maintaining constant temperature and free pressure regulation with dependable capability.

We use digital timer which complete the work according to the signal instructions.

Heat-resisting silicone pad sit on the bottom plate which can withstand high temperature up to 400℃ ( 752°F )

#### **D、 Technical parameters:**

Power :6.6KW

Voltage:220V/50HZ

Electricity:30A

Time range :0—99.9H

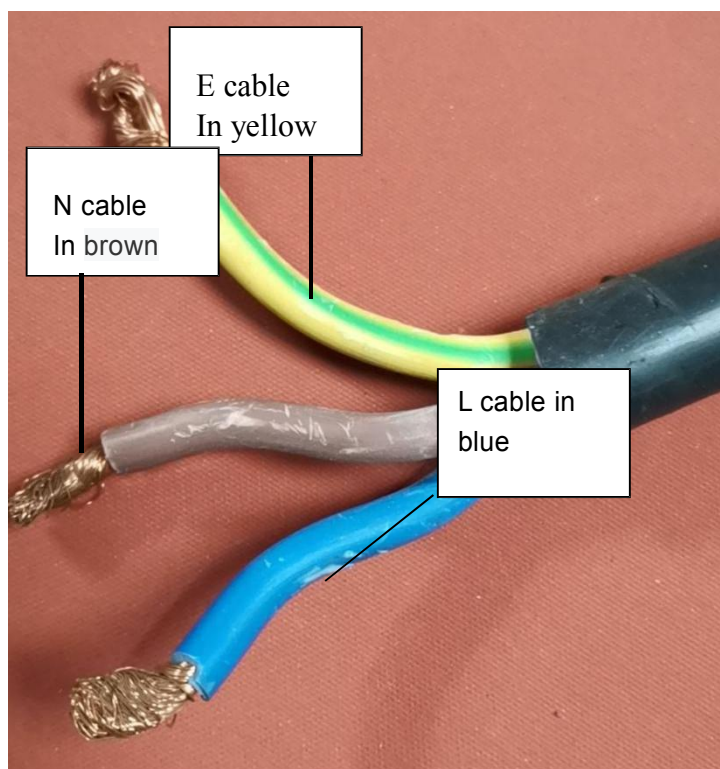
Temperature range :0-750°F

Printing area: 80\*100 CM

#### **E、 Operation steps**

**First** :Plug the power cord into place 1 .

(Upon receipt of the machine, please confirm whether your home's power supply can drive the machine)



**Second** :Turn on the power switch 2 .

**Third:** Please check whether the screen display of the machine is Fahrenheit. If it is Celsius, please convert it to Fahrenheit according to the following method. After confirming that Fahrenheit is displayed, Preset the needed time and temperature (See the details on the last page).

**Fourth:**After setting the temperature and time, waiting for the machine to heat up.

**Fifth** : Heating indicator light is off when temp. heat done. and in constant temp. You need to get things prepared which need to be printed .

**Sixth** : Put the substrate on the silicon pad 4 .

**Seventh** : Push down the handle to flatten the substrate first ,then put on transfer paper and high temp-resistance cloth ,then push the handle again ,the heat-pressing process will begin .

**Eighth** : When the process is over ,the buzzer will go off .

**Ninth** :Take out the substrate.If the sublimating paper requires to be removed at lower temperature, please remove it after 5 to 10 seconds, if not ,please remove it as soon as the process is done.

## **F、Maintenance**

**Pressure:** If the pressure is not enough or too much, you can adjust the pentagram-shaped pressure regulator back the machine .

Clockwise is for increasing pressure and counter clockwise is for decreasing pressure.



**Time:** If the transfer time arrives, but the buzzer does not ring or stop ring, then you need to check the micro-switches point of contact inside the tail box to see if it is moderate .If not, it should be adjusted to the appropriate position.



**Temperature:** when the time arrives ,the pointer of the thermostat is at the place of zero .(Temperature up to 180 °C requires about 15 minutes.) ; if heating plate does not heat, please check the circuit.

**Notice:**

A).This machine must connect reliable ground wire .

The heat-pressing process requires coordination of proper amounts of time, temperature and pressure. The thickness and material of the cloth and the varieties of the sublimation paper all affect the result of the printing .It is suggested to print a sample first before mass production.

B).Temperature and time requirements of different materials: ( The following temperatures are only for reference. The specific time, temperature and pressure can be adjusted appropriately according to the product )

Pure cotton:180-220 C° ( 356°F-428°F ) , 25sec

polyester:180C°(356°F), 15sec

Pearl board:180C° ( 356°F ) , 120-180sec

metal pendant:180C° ( 356°F ) , 60sec

mouse pad:180C° ( 356°F ) , 15sec


Vitrolite :220C° ( 428°F ) , 180sec

Key ring pendant:180C° ( 356°F ) , 100sec

Ceramics:180-220C° ( 356°F-428°F ) , 180sec

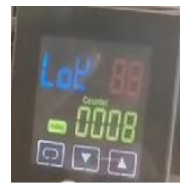
### C).Method for converting degrees Celsius to degrees Fahrenheit




Press and hold the setting key  for 3 seconds



Enter the setting page and press the ▲ key to adjust it to 88



The interface displays 88, and then press the setting key  until the interface displays CF




On the CF interface, the display shows 0°C;



Press ▲ key once, and the screen will display as shown in the figure. At this time, it will display °F in the upper right corner of 1



Finally, press the setting key  for 2-3 seconds and confirm. At this time, the Fahrenheit has been set



D).Setting method of temperature and time;

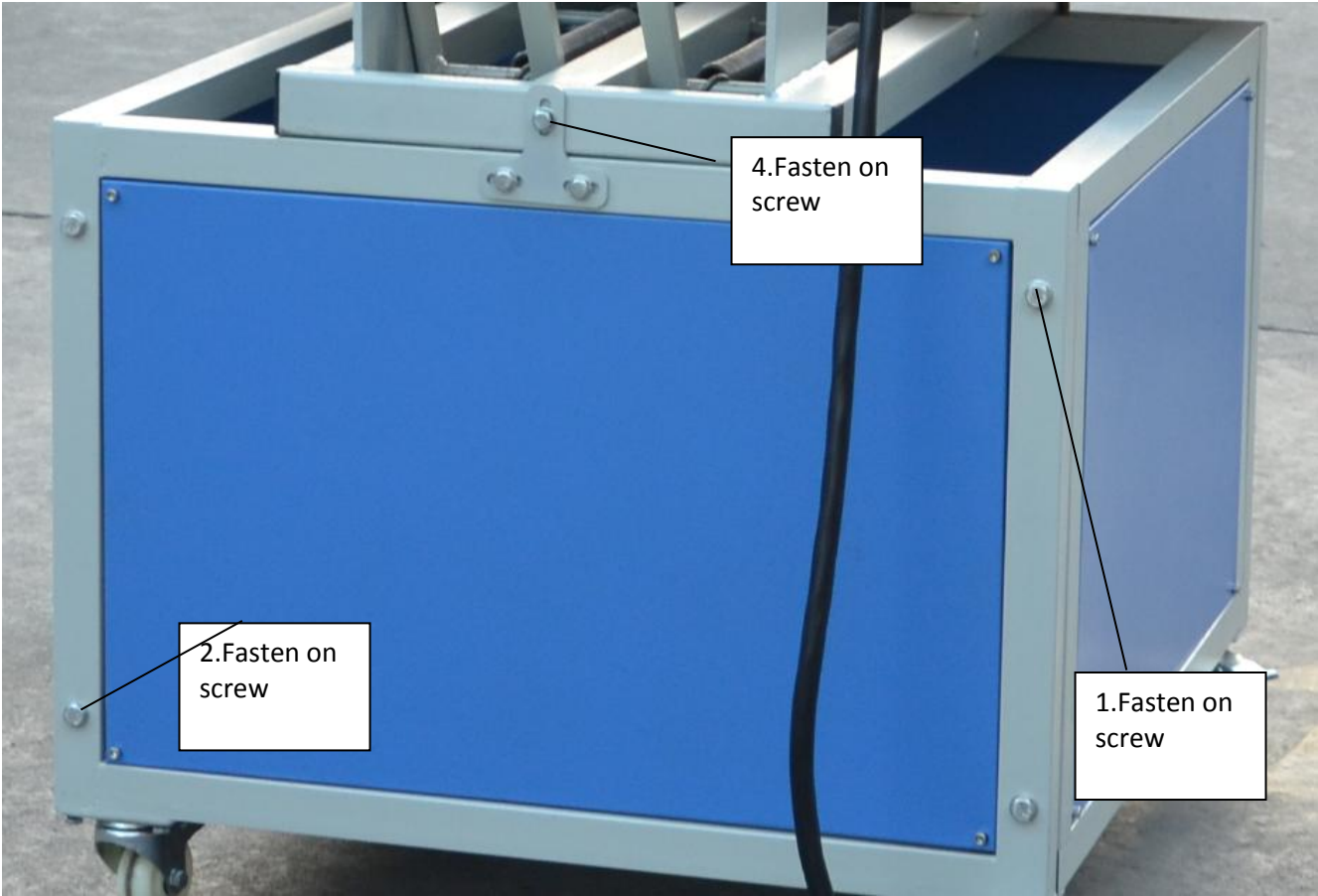
## Operating Instructions

Temperature setting: press the **SET** key once, the figure **5P** appear in the upper, the lower figure flash,press add **▲** minus **▼** to setting temperature,set up and then hold down the **SET** key for 2 seconds to determine;

Time setting:Press the key **SET** twice, the figure **5L** appear in the upper,the lower figure flash, press add **▲** minus **▼** to setting time,set up and then hold down the key **SET** for 2 seconds to determine;



Machine stand assembly step:



Circuit diagram:

