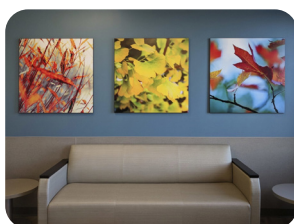


### 31in x 39in PNEUMATIC DRAWER-TYPE LARGE FORMAT HEAT PRESS MACHINE

# User Manual

Item Code: HTM-GS-QDD-US



Thank you very much for choosing our QOMOLANGMA brand series heat press machine, please read the manual carefully, including the operation and maintenance to ensure the best output and the lifetime of the machine.



## HEAT TRANSFERRING & SUBLIMATION

We are looking for distributor, please ask us for better offer!

Sample and self-pickup service are available.

### I. Machine Information

**Applications:** Qomolangma 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 patterns 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.

#### **Features:**

- ✓ 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, safety, durability, and well-distributed thermal.
- ✓ Automatic maintaining constant temperature and free pressure regulation with dependable capability.
- ✓ Digital timer which complete the work according to the signal instructions.
- ✓ Heat-resisting silicone pad sit on the bottom plate which can resist high temperature up to  $400^{\circ}\text{C}$  ( $482^{\circ}\text{F}$ ).

#### **Technical Parameters:**

**Worktable Size:** 31in x 39in (800mm x 1000mm)

**Voltage:** 220V, 50hz / 60hz, 1P, 30A

**Power:** 6600W

**Time range:** 0-999 Seconds

**Temperature range:**  $32^{\circ}\text{F}$  -  $482^{\circ}\text{F}$  /  $0^{\circ}\text{C}$  -  $250^{\circ}\text{C}$ , **suggested temperature under  $428^{\circ}\text{F}$  /  $220^{\circ}\text{C}$**

**Pressure:** 0-114 Psi

**Preheating Time:**  $\pm 30$  minutes

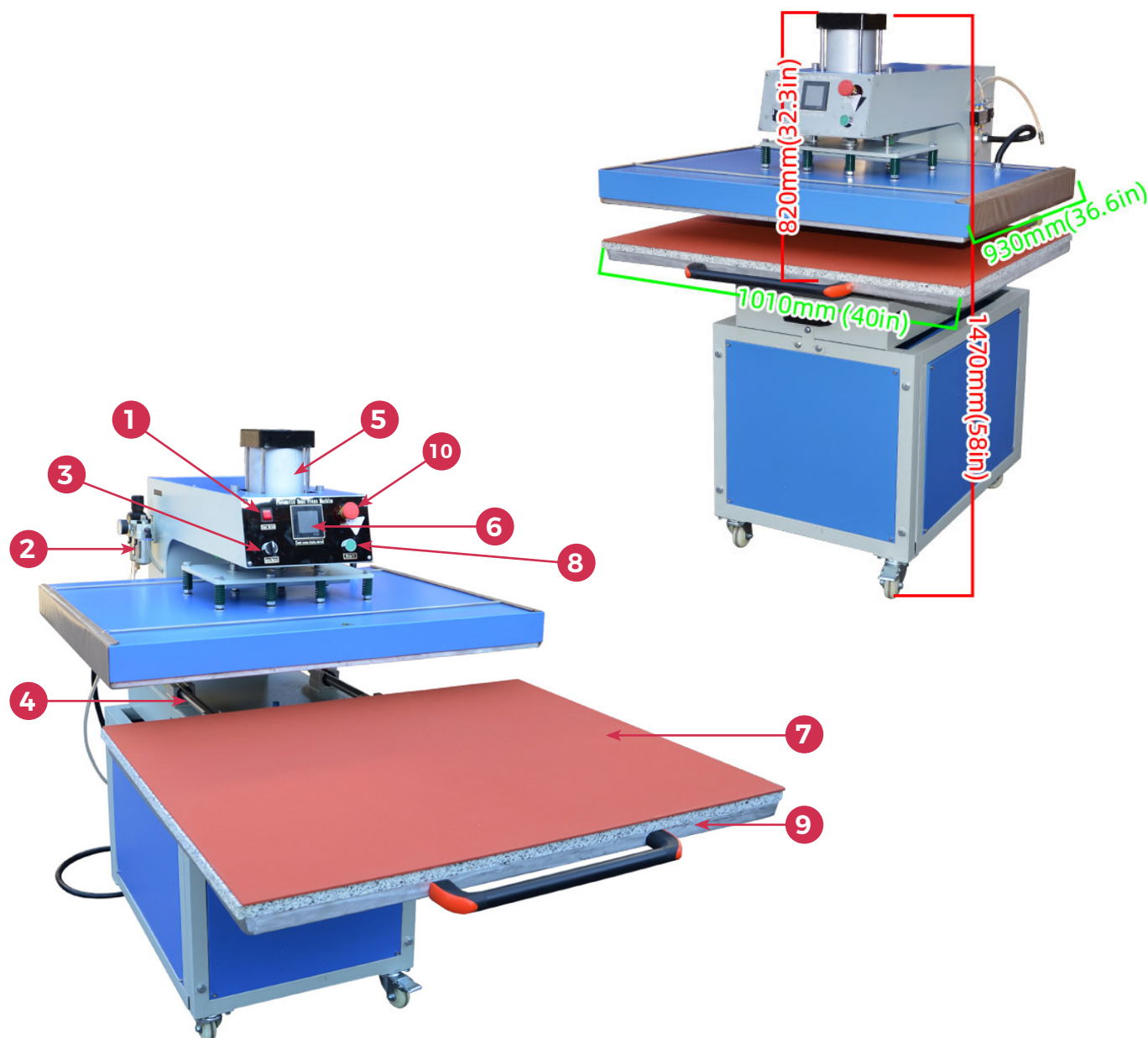
**Machine Size:** 40 in(L) x 36.6 in(W) x 58 in(H) / 1010 mm(L) x 930 mm(W) x 1470 mm(H)

**The heat press can be taken apart , make sure the width of door is larger than 32.3 in / 820 mm**

**Package Size:** 60.2 in x 42.5 in x 37 in / 1530 mm x 1080 mm x 940 mm

**Gross Weight:** 649 lbs /295kg

## II. Parts Identification



- |                             |   |
|-----------------------------|---|
| ① Power switch              | ② Air processor                         |
| ③ Automatic / Manual button | ④ Heat plate                            |
| ⑤ Air cylinder              | ⑥ Temperature time controller displayer |
| ⑦ Silicone and foam pad     | ⑧ Manual switch                         |
| ⑨ Bottom plate (worktable)  | ⑩ Emergency stop button                 |

### III. Installation Precautions

1. Before unpacking, carefully check if there is damage for the packing and machine during transportation.
2. After unpacking, check if the service parts are correct as the packing list.
3. The installing place should be provided enough space for operating and free of dust, no vapor, no corrosive gas, no combustible or explosive substance around. Keep the machine away from wind blowing place.
4. After installation, adjust each caster to reach level ground. The casters only be used on even ground for short distance movement.

#### Notice:

1. Please move carefully since it is heavy.
2. This machine must connect reliable ground wire.
3. 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.
4. Do not put your hands under the heating plate during the pressing process, so as to avoid scald.
5. During the pressing process, in the case of special circumstances, press the emergency stop button, then the heating plate will automatically rise, so an accident can be avoided.
6. At the end of the work, the staff must cut off the main electricity supply and turn off the gas source before leaving.
7. 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

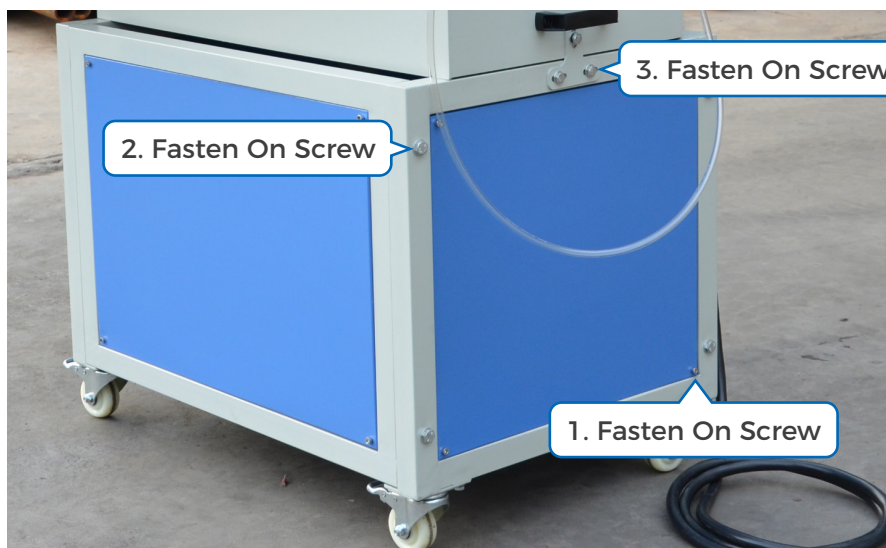
**Vitrolite:** 220C° (428°F), 180sec



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

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

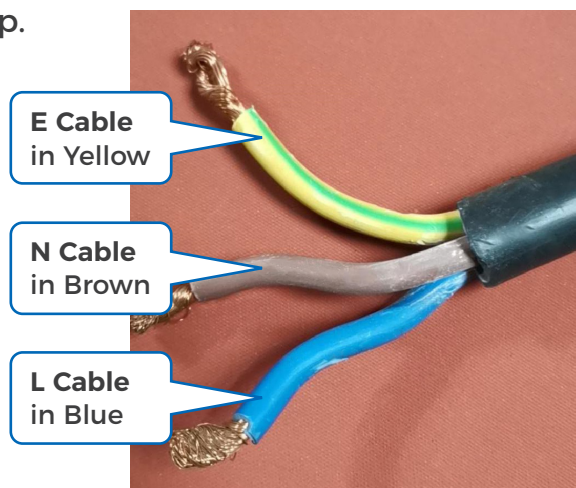
## IV. Machine Stand Assembly Step



## V. Operation

1. Connect to the matching compressor, open the pneumatic valve to adjust the pressure to 4pB-6pB to make the heater go up.

2. Plug in the power, turn on the power switch (red bottom), the power indicating lamp lights. **(Attention: the machine must have a reliable and protective ground wire, Upon receipt of the machine, please confirm whether your home's power supply can drive the machine)**



3. 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).

4. After the presetting, wait till the heater heats up.

5. The OUT1 light on the temperature displayer will go off then blink when the

heating process is done (heat-retaining mode).

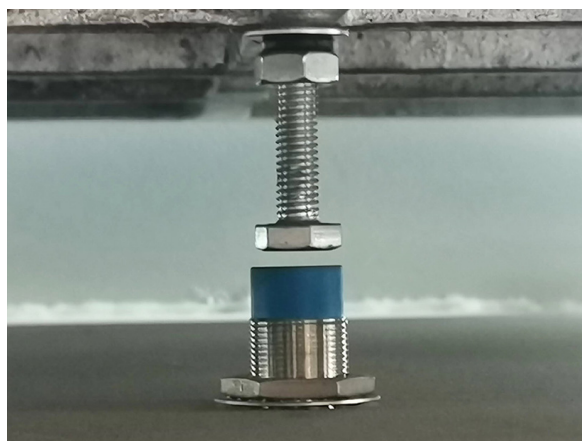
6. Put the substrate on the silicon pad and put the transfer paper on the substrate (please make sure it's the right side of the paper), then put the high-temperature resistant cloth on the transfer paper, push the platen to its working position then push the start-up button, the printing begins.
7. The heater will go up automatically when the process is done, then you can pull out the lower plate.
8. If the transfer paper requires to be removed in lower temperature, please remove it after 5 to 10 seconds, if not, please remove it as soon as the process is done.
9. After successful test-printing, you can switch the button to automatic mode. All you need to do is to move the handle to make the heater in a position above the substrate after you have settled the substrate, the printing process will begin automatically. When an emergency happens, push the emergency stop button to stop the machine, the heater will go up automatically. The printing process continues when the emergency stop button is reset.

## VI. Maintenance

**1. About pressure:** If the pressure is unbalanced, use a ruler to measure the distance between the lower platen and the heater from 4 sides, if they are not the same, you can fix it by adjusting the nuts above the heater (tighten down makes the heater up, tighten up makes the heater down). If the pressure is too low or too high (normally the pressure is 4KG-6KG), please adjust the filter, press “+” to increase the pressure, press “-” to decrease the pressure, and you can check if the air compressor is in its normal condition (normally the pressure is 6KG-8KG).



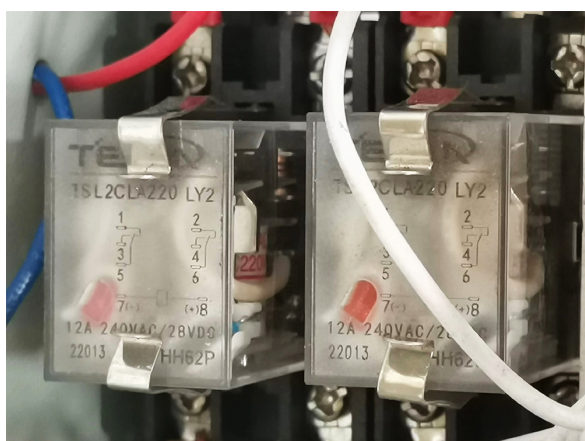
**2. About time:** When the lower platen is in its working position, if there's no display of time, please check the sensor and make sure the distance is shorter than 2mm.



When the heater is not responsible in its due time, please check the electric circuit (intermediate relay / Time relay).

First check whether the lamp of the intermediate relay is not on or on for a long time.

Check whether there is signal output when the time relay is not working.

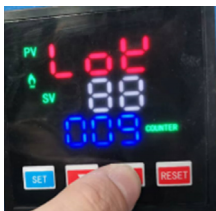


## VII. Time and Temperature Settings

1. Please check whether the display screen of the machine shows Celsius or Fahrenheit. If it is Celsius, please follow the following operation to convert it to Fahrenheit.



Press and hold the setting key "SET" 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 "SET" until the interface displays CF



On the CF interface, the display shows 0°C

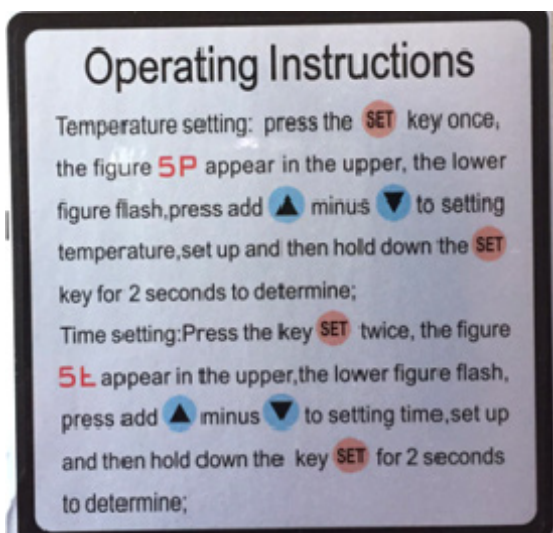


Press ▲ key once, and the screen will display as shown in the figure. At this time, it will display °F in the upper right corner of 1



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

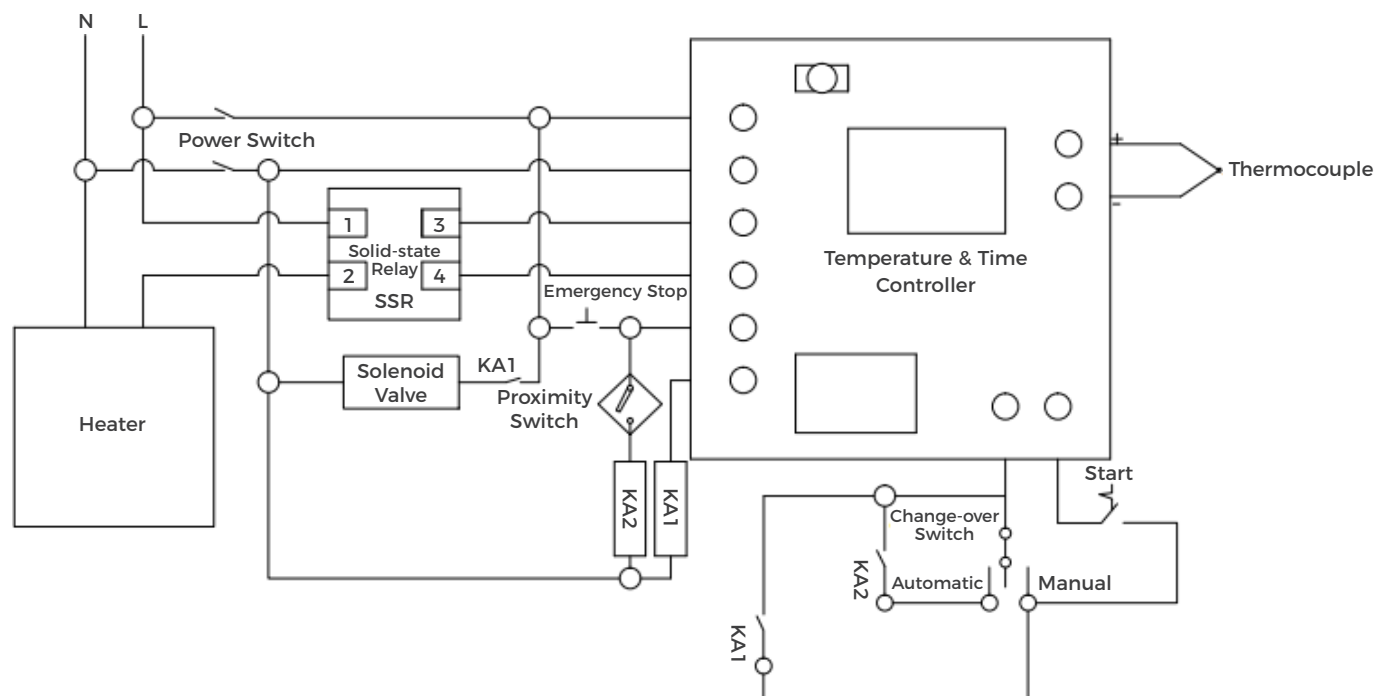
2. Temperature setting: press the "SET" button, then the numbers on the lower line blink, temperature-setting mode starts. You can press ▲ and ▼ to adjust the temperature, press and hold the "SET" button for 2 seconds to confirm the setting.





## VIII. 220 V Circuit Diagram

### Pneumatic single station heat press machine



### WARRANTY CARD

|        |  |       |  |
|--------|--|-------|--|
| MODEL  |  | LOT # |  |
| BUYER  |  | DATE  |  |
| SELLER |  | TEL   |  |

#### Notes

- i. The warranty card should be filled by seller and kept by buyer. Alterations are prohibited.
- ii. Our main objective is to support all our customers, who can manage their heat transfer activities without interruption. So we offers FREE SPARE PARTS with a quantitative order and the following guarantee:
  - Free lifetime technical support on all heat press machines.
  - One-year warranty.
  - Three-year warranty on the heating plate.
  - Silicone pad and sponge mat are not in warranty.
- iii. No free repair is available for any damages caused by the improper use.