

Qomolangma Heat Press Machine

User Manual

16in x 20in / Double Station

Equipped with Laser Positioning System

HTM-QD2-6040



Thank you very much for choosing our Qomolangma Heat Press, please read the manual carefully, including the sections on operation and maintenance to ensure the optimal performance and maximize the machine's lifespan.

CONTENTS

SAFETY INSTRUCTIONS	3
MACHINE VIEW	5
TECHNICAL SPECIFICATIONS	6
PACKAGING LIST.....	6
OPERATING INSTRUCTIONS.....	7
I. Rack Installation	7
II. Rack and Heat Press Body Installation.....	7
III. Power Cord Connection	8
IV. Air Path Connection	8
V. Air Pressure Adjustment.....	9
VI. Power On.....	9
VII. Setting Temperature.....	10
VIII. Setting Time	10
IX. Counter Reset.....	11
X. Emergency Stop.....	11
XI. Mode Switch	11
XII. Operation Steps.....	12
TROUBLESHOOTING & MAINTENANCE.....	13
HELPFUL HINTS FOR TRANSFER PRINT QUALITY	15
CIRCUIT DIAGRAM.....	16
WARRANTY CARD.....	18

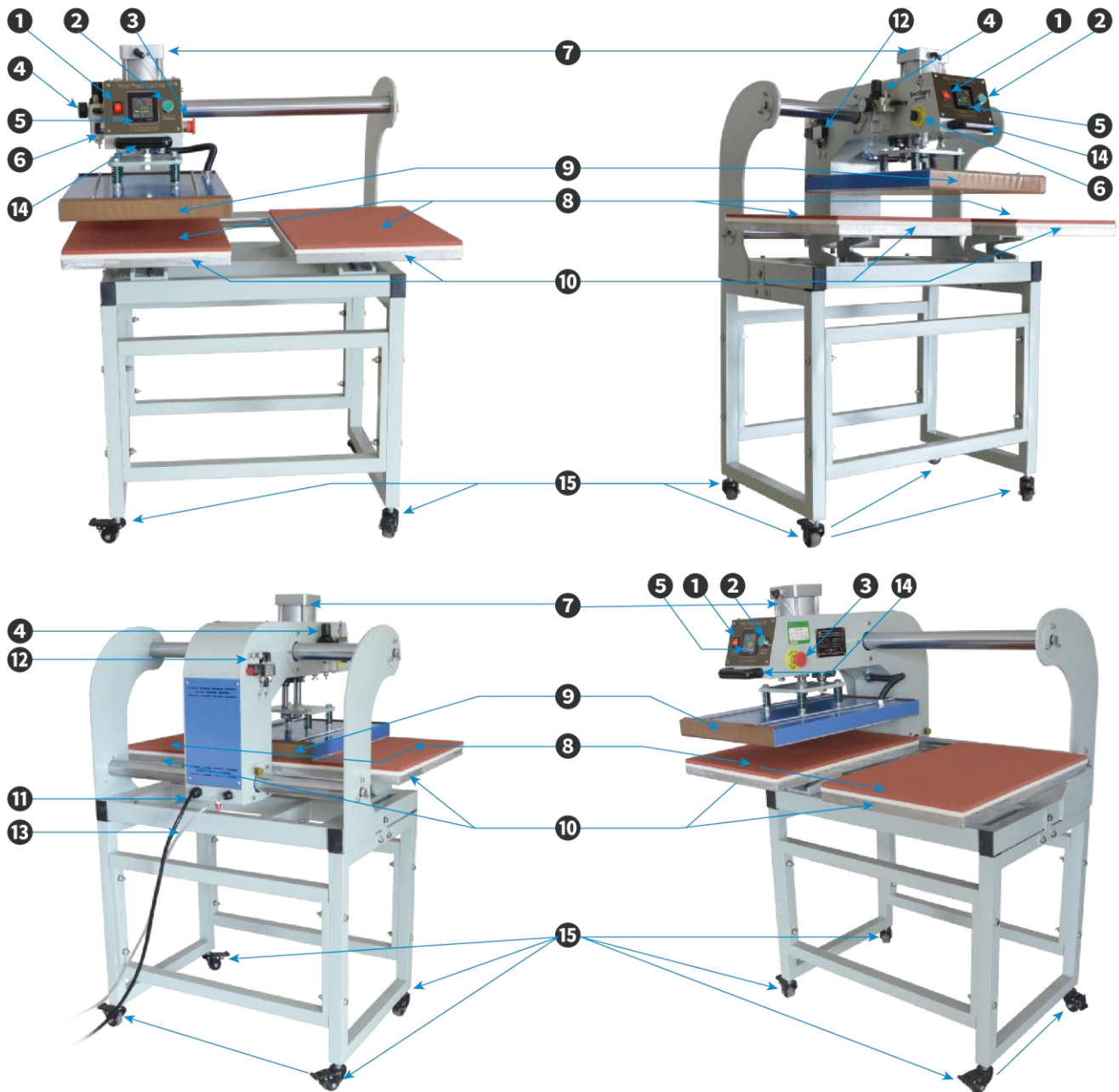
SAFETY INSTRUCTIONS

When using your heat press, always follow these basic safety precautions:

1. **Read all instructions carefully.**
2. **Use heat press only for its intended use.**
3. **Avoid electric shock:** do not immerse the heat press in water or other liquids.
4. **Disconnect safely:** To unplug, grasp the plug itself, not the cord.
5. **Ensure proper grounding:** Use the heat press only with a properly grounded power socket. Operate the machine only from a power socket with a ground fault protection switch.
6. **Disconnect when not in use:** Unplug the machine from the power outlet when it is not in use.
7. **Adjust compressor settings:** Ensure the compressor is adjusted to meet the air consumption and pressure of the heat press.
8. **Keep cord away from heat:** Do not let the cord to touch hot surfaces. Allow the heat press to cool completely before storing.
9. **Avoid use if damaged:** Do not operate heat press if the cord is damaged or if the equipment has been dropped or damaged.
10. **Do not disassemble:** To reduce the risk of electric shock, do not attempt to disassemble or repair the heat press. Contact a qualified service technician for examination and repairs. Incorrect assembly or repair may increase the risk of fire, electric shock, or injury.
11. **Disconnect power before maintenance:** Power supply cord must be unplugged before cleaning or servicing the heat press.
12. **Restricted use:** This machine is not intended for use by individuals (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or instructed by a responsible person concerning safety.
13. **Supervise use by minors:** Close supervision is necessary when the heat press is used by or near children. Never leave the machine unattended while connected.
14. **Avoid burns:** Do not touch hot metal parts or the heated platen during operation.

15. **Prevent circuit overload:** To avoid overloading the circuit, do not operate other high voltage equipment on the same circuit.
16. **Correct use of cord extension:** If an extension cord is necessary, use a 20-ampere-rated cord. Cords rated for less ampereage may overheat. Arrange the cord to prevent pulling or tripping.
17. **Keep hands away from upper platen during lock-down:** The pressure exerted during lock down may cause injury.
18. **Place on a sturdy stand:** Position the heat press on a sturdy, appropriate stand with minimum dimension of 38"L x 32"W x 54"H.
19. **Maintain a clean work area:** Keep the work area clean, tidy, and free of obstructions.


MACHINE VIEW



- ① Power Switch
- ② Start Print Button
- ③ Emergency Stop
- ④ Air Pressure Regulator
- ⑤ Touch Screen

- ⑥ Auto / Manual
- ⑦ Air Cylinder
- ⑧ Silicone Pad
- ⑨ Heater Platen
- ⑩ Bottom Platen





- ⑪ Power Cord
- ⑫ Solenoid Valve
- ⑬ Air Hose
- ⑭ Handle
- ⑮ Casters

 **Power Cord Requirement:** Ensure the power cord has a minimum cross-sectional area 4mm² when connecting the household electrical systems.

TECHNICAL SPECIFICATIONS

Size	Power (kw)	Voltage (v)	Working Pressure (kg/cm ²)	Time Range (s)	Temperature Range (°F)	Packing Size
15in x 15in 38cm x 38cm	3	220	0 - 8	0 - 999	32 - 750	41in x 36in x 31in 104cm x 90cm x 78cm
16in x 20in 40cm x 50cm	1.4/3.3	110/220	0 - 8	0 - 999	32 - 750	50in x 32in x 31in 127cm x 80cm x 78cm
16in x 24in 40cm x 60cm	1.6/3.8	110/220	0 - 8	0 - 999	32 - 750	54in x 32in x 28in 137cm x 80cm x 70cm
20in x 24in 50 cmx 60cm	3.8	220	0 - 8	0 - 999	32 - 750	48in x 35in x 30in 122cm x 91cm x 77cm
20in x 28in 50cm x 70cm	4	220	0 - 8	0 - 999	32 - 750	62in x 33in x 28in 157cm x 83cm x 70cm
24in x 32in 60cm x 80cm	6	220/380	0 - 8	0 - 999	32 - 750	54in x 45in x 32in 138cm x 113cm x 81cm
28in x 36in 70cm x 90cm	7.5	220/380	0 - 8	0 - 999	32 - 750	77in x 40in x 33in 196cm x 101cm x 85cm

PACKAGING LIST

<p>A.</p>  <p>1pcs</p>	<p>B.</p>  <p>2pcs</p>
<p>C.</p>  <p>10pcs</p>	<p>D.</p>  <p>2pcs</p>

OPERATING INSTRUCTIONS

I. Rack Installation

Connect part B and part D by using 8 pcs of part C.



II. Rack and Heat Press Body Installation

Connect the rack and part A with 2 pcs of part C.



III. Power Cord Connection

The machine's power cords include clearly marked wires for neutral (N), live (L), and ground (\perp).

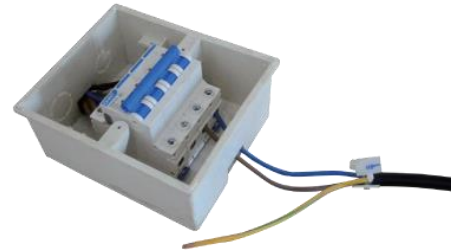


1. Preparation: Ensure the power cord is not plugged from the household power outlet, and switch off the circuit breaker of the machine before proceeding the connection.

2. Connecting Wires: Place the neutral (N) and live (L) wires onto the terminals of the circuit breaker. Use a crosshead screwdriver to tighten the screws, securing the wires firmly in place.

3. Verify Connection: Gently pull each wire to confirm they are securely fastened. If the wires do not come loose, the connection is complete.

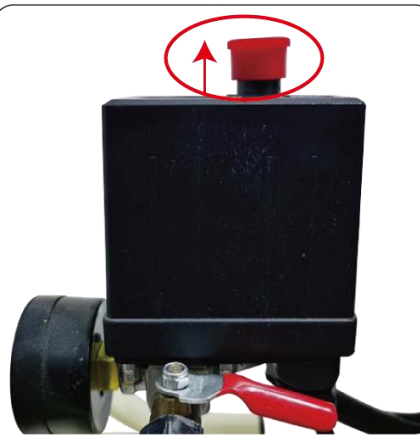
4. Power On: Turn on the circuit breaker and connect the power to the machine.



IV. Air Path Connection



① Connect the airway
Connect power cord for
air compressor.

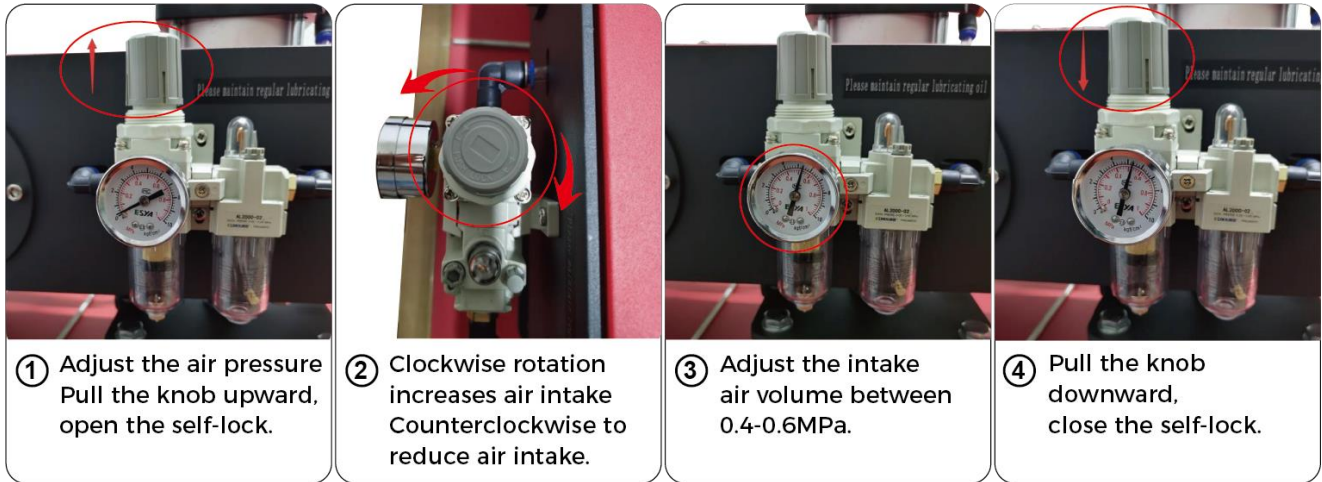


② Turn on the air compressor switch
Pull the red button upward.



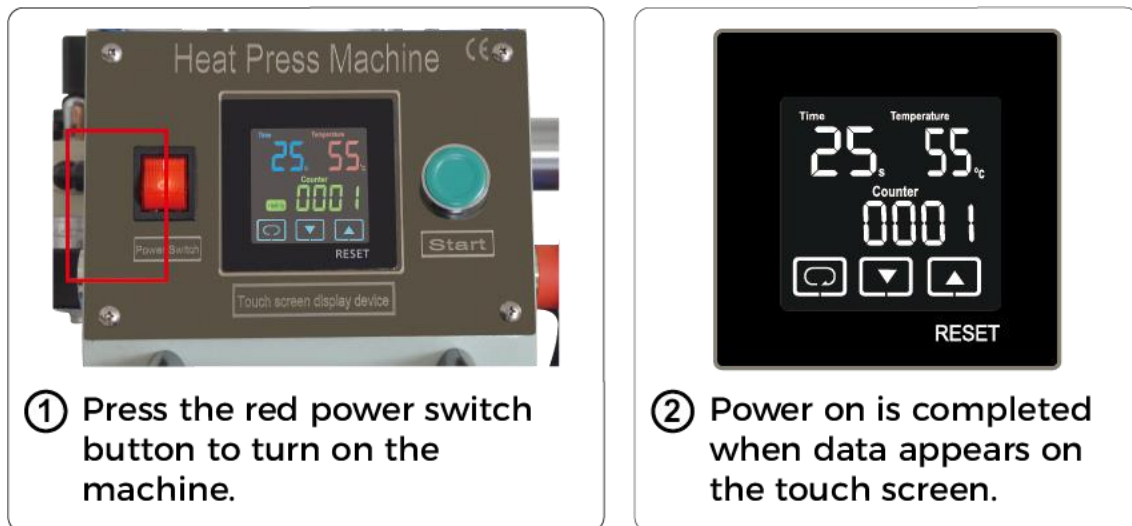
③ Turn on the air switch

V. Air Pressure Adjustment

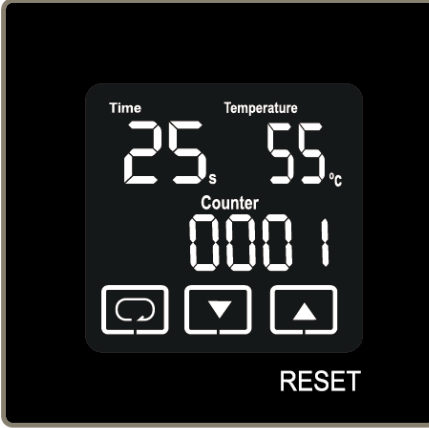



- > With minimum 1100W (1.5hp) power consumption and 50L (13gallon) tank capacity.
- > Connects the press machine with an air hose of 5/16 inch (8mm) outer diameter.
- > Normally pressure range is from 0.4 to 0.6 MPa (60 to 90 psi).


VI. Power On





VII. Setting Temperature




① Press  button
The single digit temperature value is flashing.





② The  button is for adding.
The  button is for reduce.
Set your desired temperature value.



When it is heating up, the  display will flash here.


VIII. Setting Time




① After setting the temperature value.
Press  button again.
The single digit time value is flashing.



② The  button is for adding.
The  button is for reduce.
Set your desired time value.



③ Hold the  button for 3 seconds to confirm.

IX. Counter Reset



Press and hold the  button for a few seconds to reset the Counter to zero.

X. Emergency Stop

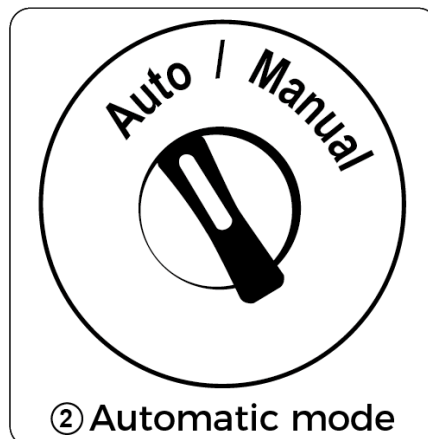


The machine is equipped with a red emergency stop button located on the right side.

To Stop: Press the button down to immediately stop all machine operations.

To Resume: Turn the button clockwise to release it, allowing the machine to resume normal operation.

XI. Mode Switch



No-Working Mode: In this mode, the machine is disabled from performing any down-pressing operations.

Automatic Mode: In this mode, when the heating plate is moved to the sensor position at either end of the machine, it will automatically press down.

Manual Mode: In this mode, when the heating plate is moved to the sensor position at either end of the machine, the Start button must be pressed to initiate pressing down the heating plate.

XII. Operation Steps

Step 1 - Power and Air Supply: Ensure that the machine power cord is securely connected to the power source, and verify that the air compressor is functioning properly.

Step 2 - Setting Temperature and Time: Set the temperature and time as required. The machine will then begin heating to reach the set temperature.

Step 3 - Position and Object: Once the machine reaches the set temperature, place the object on the silicone pad and put the transfer paper with image side facing down on the object (To protect your product, it's recommended to cover it with an additional layer of Teflon). Then select the desired operation mode.

Step 4 - Press Down: When the heating plate is pressed down, the time counter will start. Once the preset time has elapsed, the heating plate will automatically lift.

Step 5 - Parameter Recommendations: Refer to the recommended parameters for optimal operations with our products.

Product	Temperature	Time (Seconds)
Pure cotton clothing	356°F (180°C)	15
Polyester clothing	356 ~ 428°F (180 ~ 220°C)	25
Pearl light board	356°F (180°C)	120 ~ 180
Metal pendant	356°F (180°C)	60
Mouse pad	356°F (180°C)	15
Porcelain board	392°F (200°C)	180

NOTE:

1. Please always turn off the machine and unplug the power cord when not in use.
2. To maintenance optimal performance of the heat press, do not exceed a maximum temperature setting of 410°F (210°C).
3. If a T-shirt requires double-sided heat transfer, ensure that the first side is not subjected to repeated pressing. It is recommended to position (draping over) the T-shirt over the lower platen for the second transfer.



4. Please ensure the air supply line is checked before each use.

TROUBLESHOOTING & MAINTENANCE**1. No Operation After Power On.**

- 1) Check whether the power plug is securely connected and undamaged.
- 2) Inspect the power switch and digital controller whether there are any signs of damage or malfunction.
- 3) Verify if the fuse is blown and replace if necessary.
- 4) If the indicating light is on but no display on the screen, check the 5 cables of temperature control panel transformer. If they are loosen that indicates a poor connection, and if they are well connected, the transformer may be faulty.

2. Uneven Pressure.

Use a ruler to measure the distance between the heater platen and the bottom platen on the four sides. If the distances are inconsistent, adjust the four screws on the center of the heater platen. Tightening the screws raises the heater platen, and loosening them lowers it.

3. Temperature Control Issues / Temperatuer Not Rising

- 1) If temperature control fails, the solid-state relay may be malfunctioning and should be replaced.
- 2) If the digital controller continuously sends power to the relay, it may be faulty and require replacement.
- 3) Ensure whether the circuit or the original power supply are in good contact.

4. Time Counter Not Functioning.

Check whether the height of the sensor is appropriate. If not, the sensor can be adjusted downward 5 mm.

5. Heater Platen Does Not Press Down

- 1) Check if the heater platen is properly positioned.
- 2) Check the solenoid valve if any malfunctions or damage.

6. Additional Maintenance Notes

1) Lubrication

- Lubricate the press every 15,000 cycles or every six months, whichever comes first. For heavy-use production environments, lubrication should be performed weekly.
- Use an NSF/NLGI 2-rated food-grade grease, such as Bel-Ray No-Tox #2 or an equivalent product.
- Alternatively, a general-purpose food-grade machine oil spray, such as CRC03055 lubricant (available from retailers on Amazon), is also acceptable.
- Apply lubrication to all moving and hinged points to ensure smooth operation.

2) Cleaning the Heat Platen

Clean the heat platen using steel wool, a scrubbing aluminum sponge, or a fine wire brush.

- 3) Please store the machine in a dry and clean environment to prevent moisture-related damage.

HELPFUL HINTS FOR TRANSFER PRINT QUALITY

1. Faded or Pale Transfer Colors:

- **Possible Causes:**

- Temperature is too low.
- Pressure is insufficient or uneven.
- Pressing time is too short.

- **Solutions:**

- Increase temperature.
- Adjust the pressure to the recommended level.
- Extend the pressing time.

2. Overheated Transfers (Brown or Burnt Appearance)

- **Possible Causes:** Temperature is too high.

- **Solutions:** Decrease the temperature setting to the recommended level.

3. Blurred Transfer Colors

- **Possible Causes:** Transfer time is too long, causing ink proliferation.

- **Solutions:** Reduce the pressing time.

4. Different or Incomplete Transfer Results

- **Possible Causes:**

- Insufficient pressure.
- Pressing time is too short.
- Transfer paper is of poor quality.

- **Solutions:**

- Increase the pressure.
- Extend the pressing time.
- Use better quality transfer papers.

5. Transfer Paper Sticks to Object

- **Possible Causes:**

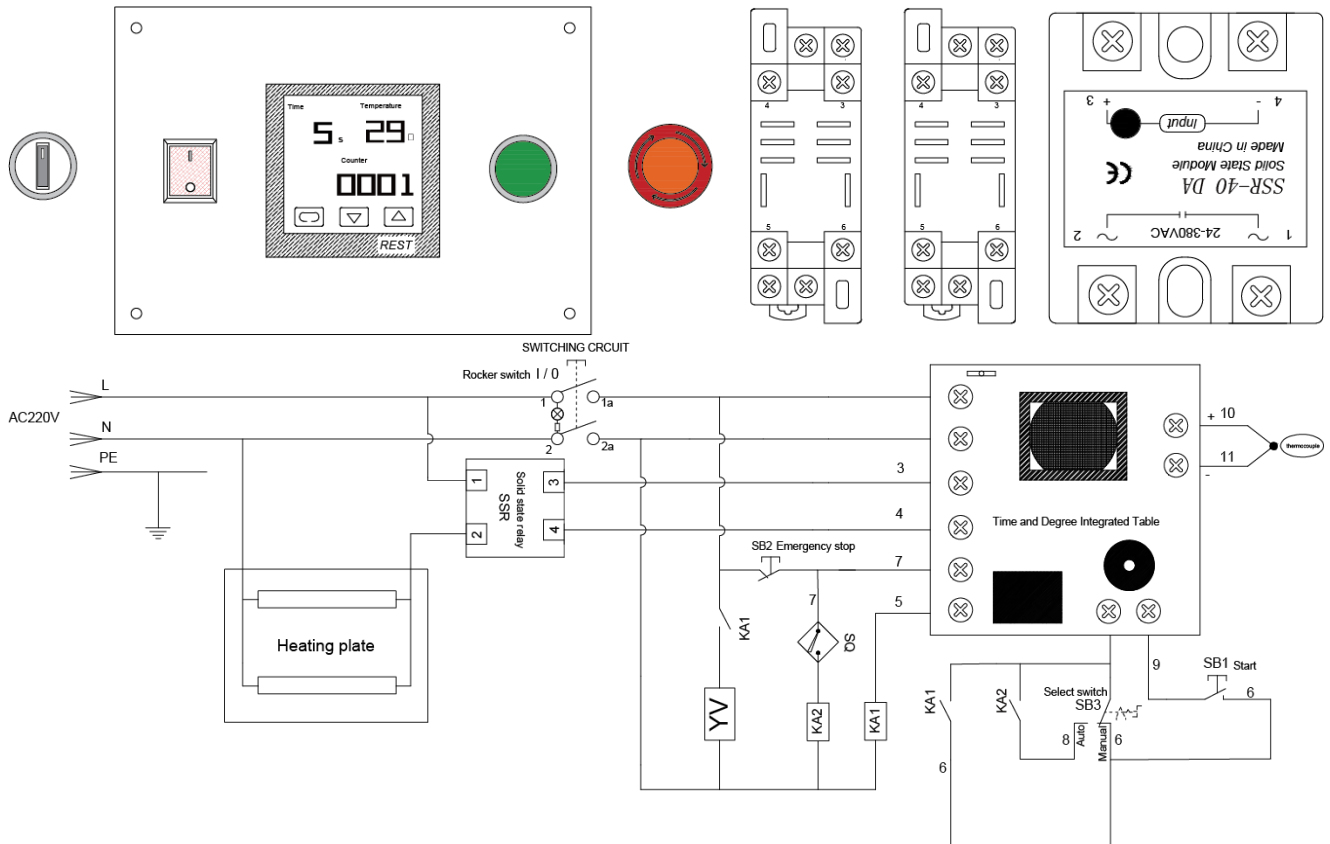
- Temperature is too high.
- Printing ink is of poor quality.

- **Solutions:**

- Lower the temperature.
- Use better quality printing ink.

CIRCUIT DIAGRAM

Up-sliding pneumatic double-station heat press machine for 220V

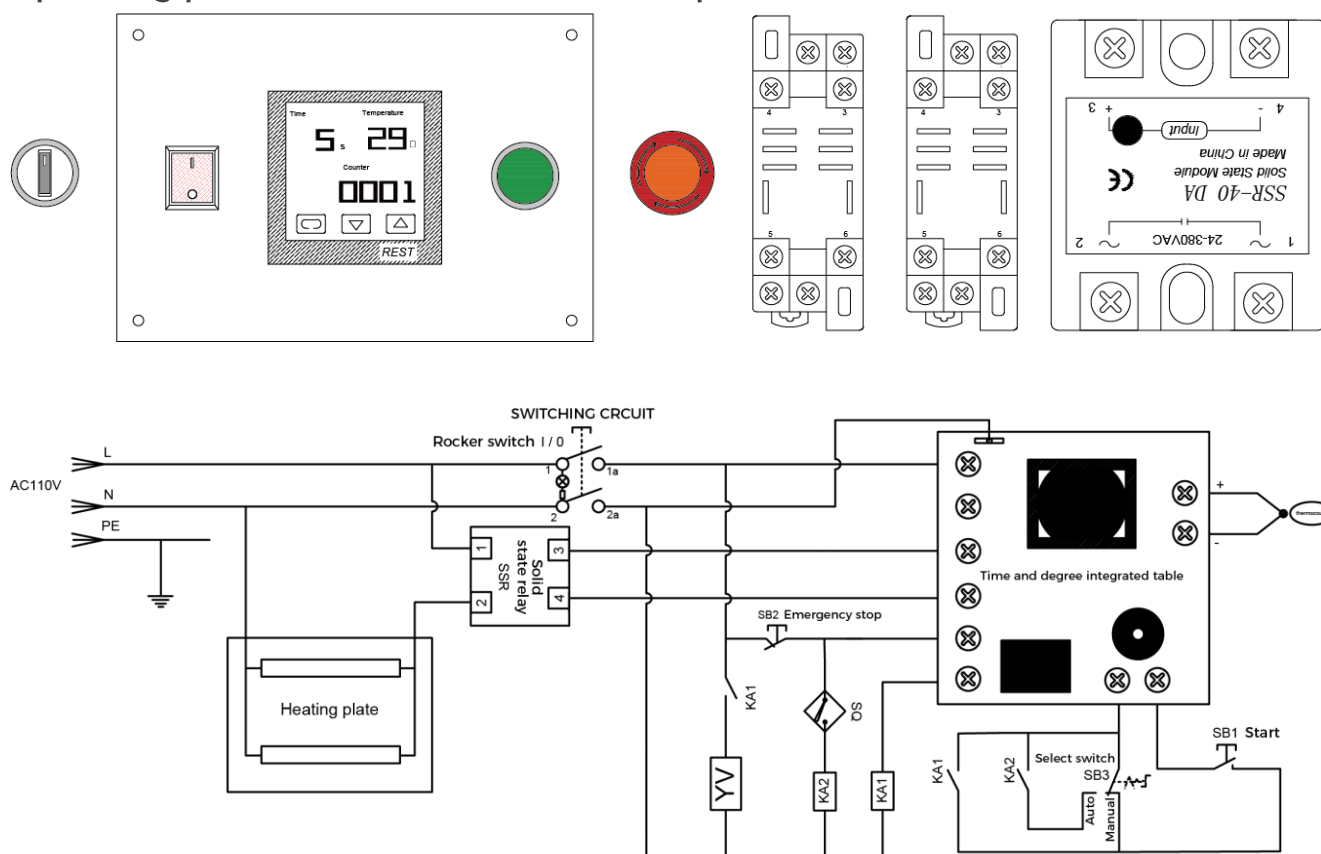


In this drawing, the main line is equipped
with $3 \times 4\text{mm}^2$ cable lines
Heating plate with 4mm^2 high-temperature wire
The control line adopts 0.5mm wire

PARTS LIST AND SPECIFICATIONS

Number	Symbol	Name	Specification and model
1	I / O	Rocker Switch	15A 250V AC Red
2	SSR	Solid State Relay	SR-40DA
3	SB1	Start Button	LAY5S-BA Green NO
4	SB2	Emergency Stop Button	LAY5S-BS Red NC Reset type
5	SB3	Three-Speed Conversion Switch	LAY5S-BD Three position self-locking NO
6	KA1	Intermediate Relay	MY-2NJ AC220V
7	KA2	Intermediate Relay	MY-2NJ AC220V
8	YV	Solenoid Valve	4V210-08 AC220V
9	SQ	Proximity Switch	CDLJ18A38JEZ

Up-sliding pneumatic double-station heat press machine for 110V



In this drawing, the main line is equipped
with $3 \times 4\text{mm}^2$ cable lines
Heating plate with 4mm^2 high-temperature wire
The control line adopts 0.5mm wire

PARTS LIST AND SPECIFICATIONS

Number	Symbol	Name	Specification and model
1	I / O	Rocker Switch	15A 250V AC Red
2	SSR	Solid State Relay	SR-40DA
3	SB1	Start Button	LAY5S-BA Green NO
4	SB2	Emergency Stop Button	LAY5S-BS Red NC Reset type
5	SB3	Three-Speed Conversion Switch	LAY5S-BD Three position self-locking NO
6	KA1	Intermediate Relay	MY-2NJ AC110V
7	KA2	Intermediate Relay	MY-2NJ AC110V
8	YV	Solenoid Valve	4V210-08 AC110V
9	SQ	Proximity Switch	CDLJ18A38JEZ

WARRANTY CARD

MODEL		LOT #	
BUYER		DATE	
SELLER		TEL	

Notes

- i. The warranty card must be filled up by the seller and retained by the buyer. Any alterations or modifications to this card are prohibited.
- ii. We aim to support all our customers to ensure uninterrupted heat transfer operations. Therefore, we provide FREE SPARE PARTS with the following guarantees:
 - Free lifetime technical support on all heat press machines.
 - One-year warranty.
 - Three-year warranty on the heating platen.
 - Silicone pad and sponge mat are not in warranty.
- iii. The warranty does not cover damages caused by improper use, mishandling, lack of maintenance, or unauthorized repairs or modifications. Repairs for such damages will be chargeable.