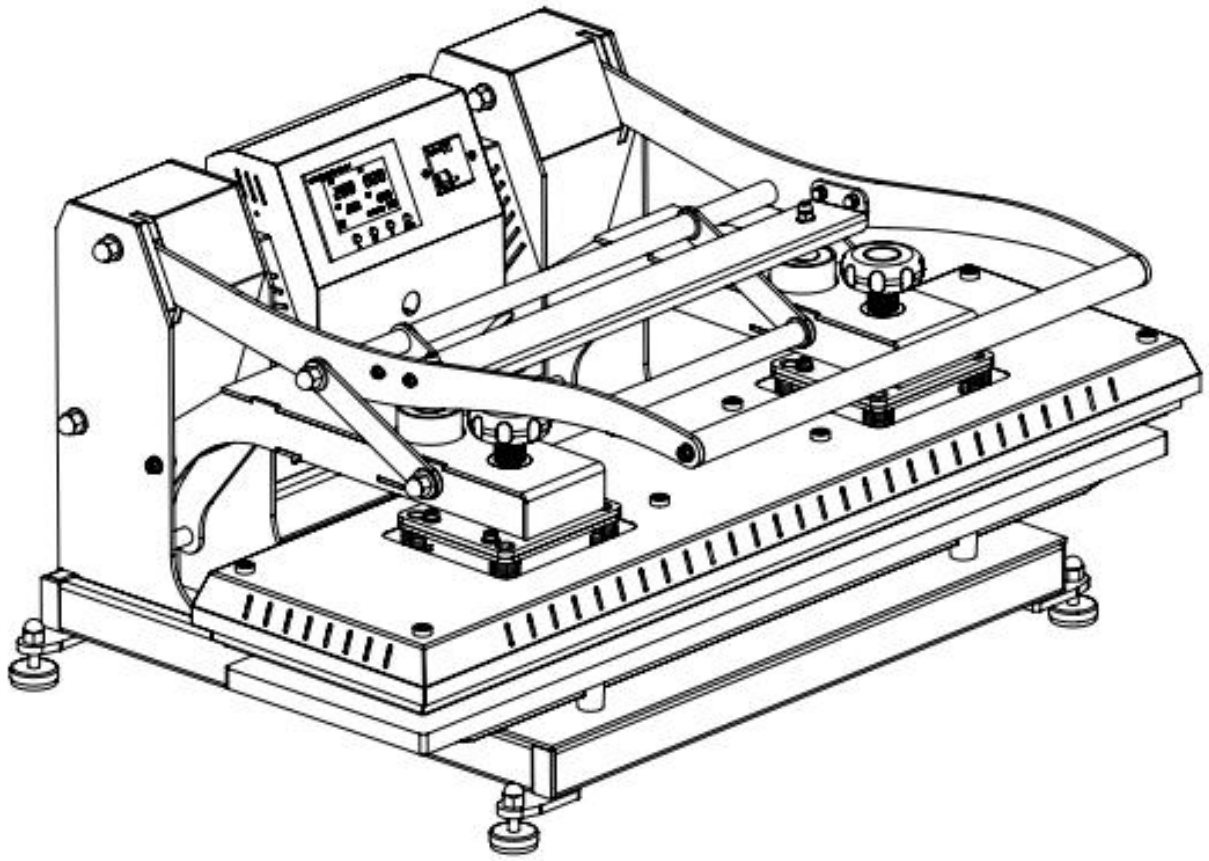
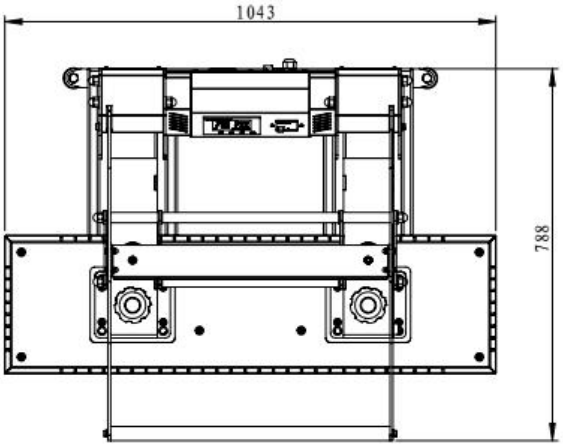
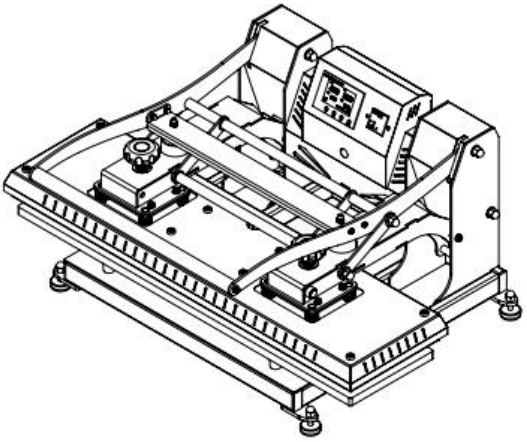
Lanyard heat Press
Model No.: LZP-40

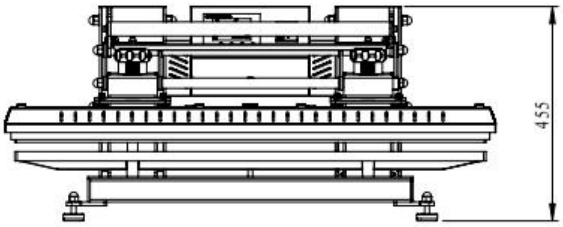


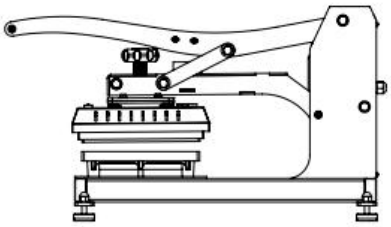
CONTENTS

I. Assembly Drawing









II. Technical Parameters

1. Model No.: LZP-40
2. Machine Dimension: 1043*788*455mm
4. Printable Articles Max Size: 1000*250mm
5. Voltage: 220V/1Phase; 110V/1Phase
6. Power: 2.4kw / 2.2kw
7. Recommend Setting: 30~280s; 180~200°C
   Time Range: 0~999s
   Maximum Temp: 225 C°
8. Packing Size: 1200*950*610mm
9. Gross Weight: 138.6KG

III. Operating Process

1. Set temperature required

		
Turn on power switch, temperature light is ON. The digital display shows as above.	Press OK button, the °C °F light is on (C denotes Celsius). Press arrows "△" or "▽" to select "℃" or "℉" (F denotes Fahrenheit) according to your habits.	Press OK button, the temp light is on. Select with arrows the temperature according to different transfer material (Normally 180℃~200℃) SV: Set temperature PV: Current temperature

2. Set time required

	
Press OK button after temperature setting and the time light is on. Select with arrows the time according to different transfer material. SV: Set temperature PV: Current temperature	Press OK button to operating mode. Counter is "transfer cycle", from 0~999.Press "Reset" for 5 seconds to make the counter to be "0".

NOTE: Please do as follow:

1） When SV and PV has a big difference

2） When the temperature shows on the display is not the same as actual temperature on heat platen

	
When SV and PV has a big difference, press OK button for 5 seconds, and press OK button again to adjust the temperature. If SV&PV has difference of 20 degrees, Press arrows "△" or "▽" to set to 20.	When the temperature shows on the display is not the same as actual temperature on heat platen, press OK button for 5 seconds to reset mode: ①When display shows 200°C,the actual heat platen temperature is 170 °C, Press arrows "△" or "▽" to set to 30. ② When display shows 200°C,the actual heat platen temperature is 230 °C, Press arrows "△" or "▽" to set to -30

3. Printing methods

Step 1: Make sure the cord is connected well to the wall socket. Place the object (i.e. T-shirt) on press bed, and transfer paper with images facing down the object, adjust pressure to your requirement, and start the machine.

Step 2: Set the temperature and time required, then temperature starts to rise.

Step 3: When the temperature rises to the setting temperature, the buzzer sends out sounds; then close down heat platen (meantime the sounds stop) and starts to transfer.

Step 4: Then the time counter is on, once time is up, the upper heat platen will auto open and swing away to another side automatically.

Step5: Consult the Transfer Paper instructions on whether to peel cold or hot, Here are suggested Pressing time guidelines for different transfer paper.

Ink-Jet Transfer Paper (fabric) 14-18 seconds
Laser Copier/Printer Transfer Paper (fabric) 18-25 seconds
Sublimation Transfers (onto Fabrics) 25-30 seconds
Sublimation Transfers (onto FR-Plastic/Woods) 60-70 seconds

5. Recommendations:

1) Ceramic tile transfer: (Mugs & Plates transfer is similar)
Set temperature: 180℃.
Set time: 15 seconds
2) T-shirt transfer:
Set temperature: 180℃.
Set time: (chemical fiber use for sublimation transfer paper: 30-50seconds; pure cotton use for T-shirt transfer paper: 10-20seconds)

step 6: When the temperature rises to the set temperature, the buzzer sends out a sound; then close down heat platen(meantime the sounds stop) and starts to transfer.

step 7: Time is counting down; once time is up, the buzzer will send out a sound again, the heat platen will open automatically (meantime the sounds stop).

Step 8: Work finish and take out the cap. If you want to print on another cap, press OK button and confirm the time and temperature set as last time, then repeat above process.

NOTE:

1) Please switch off the machine and unplug the power cord when the machine is not in use.
2) The heat platen will cool down to the room temperature, if heat press stays un-use for more than 30 minutes.
3) The heat-releasing fan will automatically starts when the temperature of heat platen reaches 80 degree C (176 degree F). It helps to reduce the temperature of electrical parts and prolong the service life of them.
4) For better maintenance of heat press, the maximum setting temperature is 210 degrees C (410 degrees F).
5) To avoid re-heating the first transfer when printing double sided T-Shirts, insert a sheet of cardboard in between the shirt, adjust the height to less pressure, then press.
6) Heat platen may pivot slightly back and forth rotationally. This is due to movement allowance within the clamp assembly, and is normal.

IV. Maintenance

1. No action after turn on the machine

1). Check the plug whether it connects well or whether it is broken.
2). Check the power switch or digital controller whether it is broken.
3). Check the fuse whether it has been burnt out.
4). Indicating light is on, but no display on screen, check the 5 cable of Railway transformer. If it's loosening, showing the problem is poor connection. If they connects well, showing that the Transformer is faulty.

2. The display screen are working well, but no temperature increasing on the mug heater.

1). Check whether the thermocouple of the mug heater touches well. If the thermocouple is loose, the display will show 255℃. and machine keeps beeping.
2). Check if the indicating light of solid-state relay is on, if not, check if the relay or digital controller is broken.
3). If you already changed the new solid-state relay but the mug heater still can't heating up, check if the mug heater is faulty or the mug heater's power cable is loose, need to change by new mug heater.

3. The display screen show 255℃ once you power on.

1). Check whether the thermocouple is loose or not.
2). If the thermocouple touches is not in loose state, but still show 255℃, then it is faulty.

4. The machine is heating during 0~180℃, but display number jumps to above 200℃ or 300℃ suddenly, or the numbers on display jumps irregularly.

1). Check whether the thermocouple of the mug heater touches well.
2). If the thermocouple is good, It shows that the program of digital controller is broken, which namely IC or is broken, need to change by new controller.

5. The temperature is out of control: Set 180℃, but the actual temperature is above 200℃.

1). It means the solid-state relay is broken, out of control, need to change the relay.

2). Or the digital controller is faulty and it keeps conveying electric to relay, need to change controller.

6. The setting temp and time becomes abnormal after exchange the mug heater.

1). Please reset the temp and time according the operation process manual.

7. Other notice

1). In order to prolong the machine service life, please add the lubrication oil regularly on the joints.

2). In order to keep the mug heater's good transfer effect, pls protect it carefully whenever you are using or not.

3). Please keep the machine in dry place.

4). The mug heater is belong to consumables. You need to change a new one after doing transfer print for about 700 times. If use our Grade A mug heater, then can change mug heater after 2000 times transfer.

5). If you are not able to solve the electrical parts problem, please kindly contact the supplier and get technical support.

V. Trouble shooting for transfer print quality

1. If the print color is pale: the temperature is too low / the pressure is not correct / or not pressed long enough.

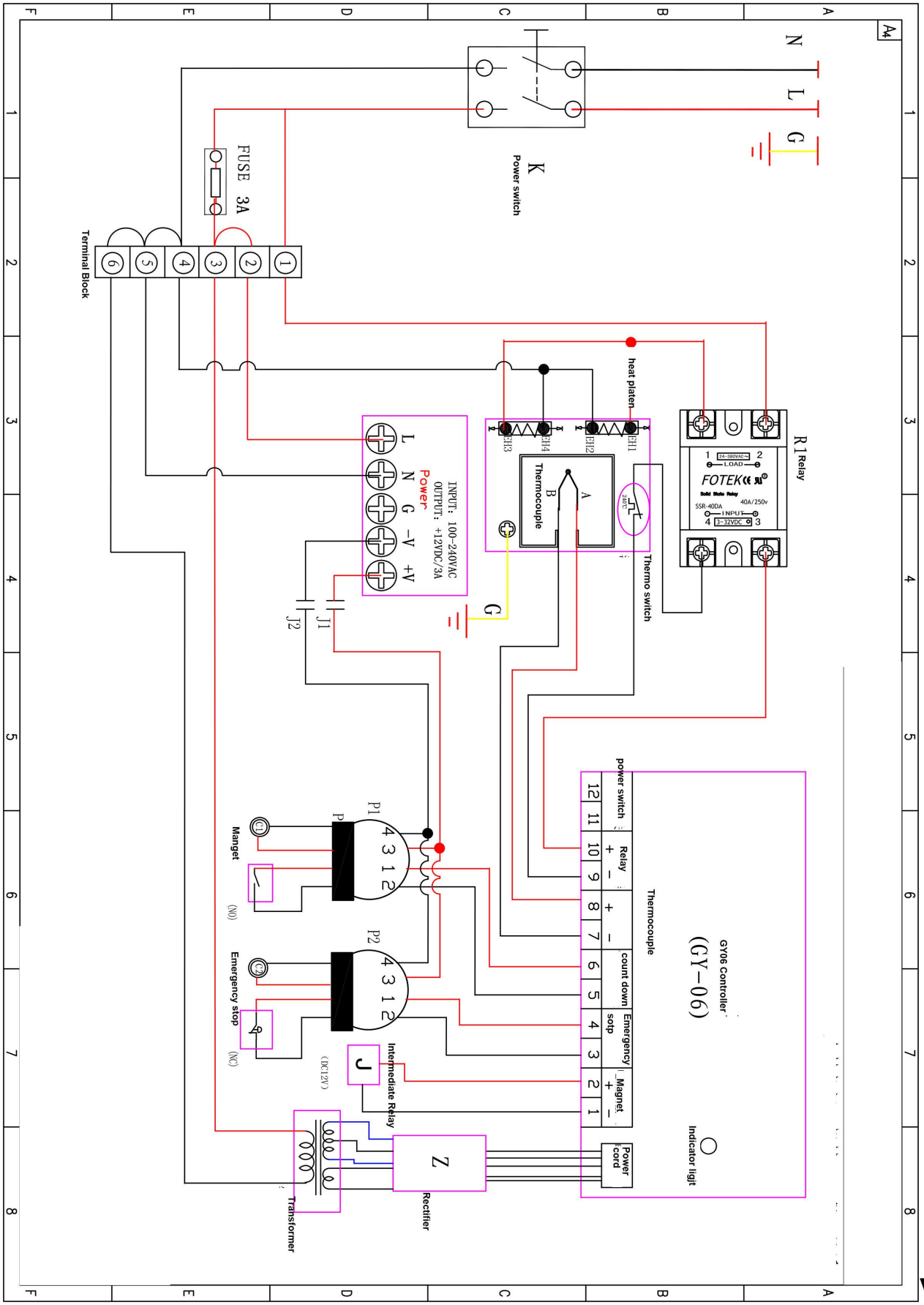
2. If the print color is too brown or the transfer paper is almost burnt: reduce the setting temperature.

2. If the print is blurring: too much transfer time causes proliferation.

3. If print color is different/ partial transfer effect is not good enough: the pressure is not enough / or not pressed long enough / or poor quality transfer paper.

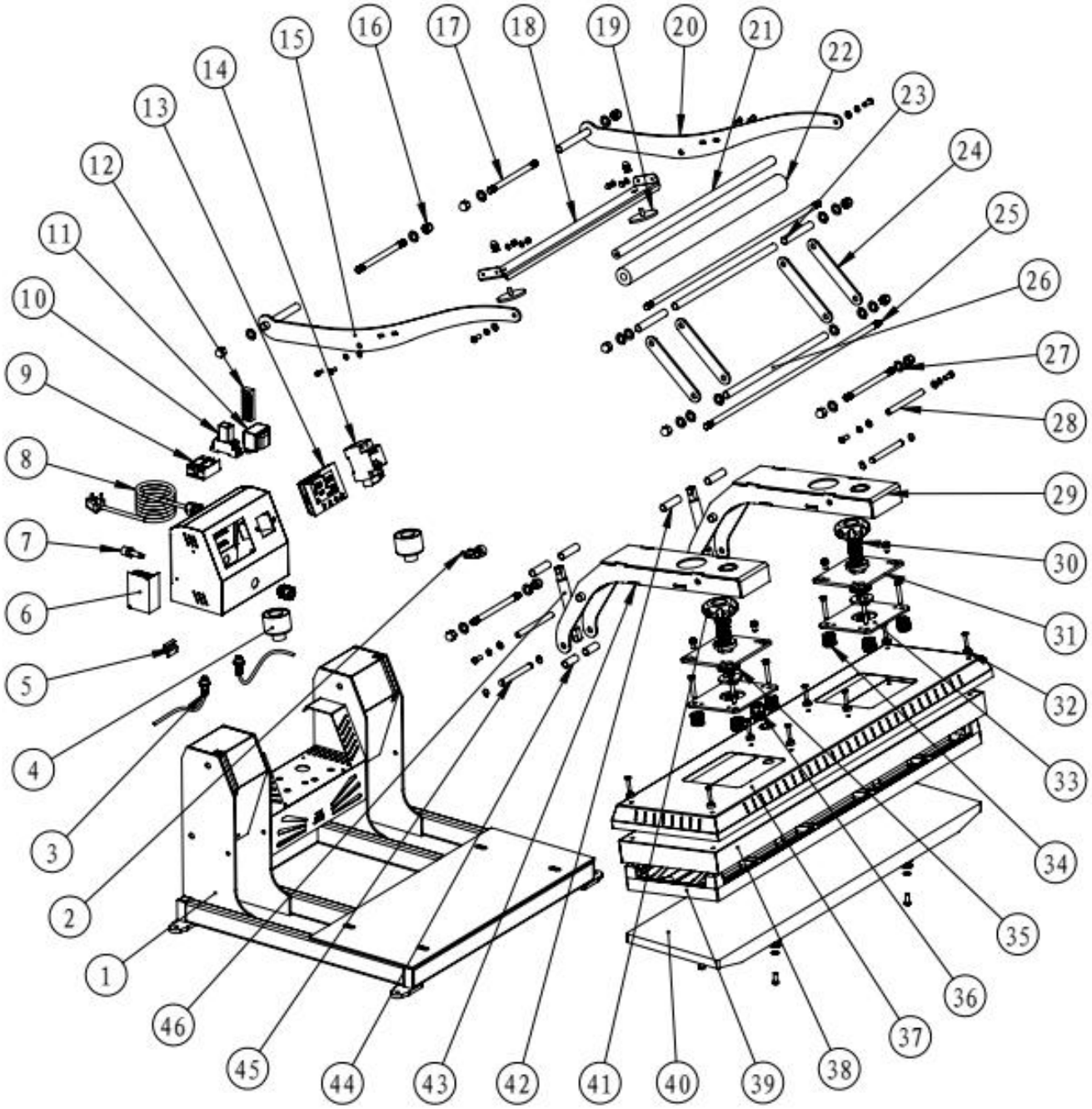
4. If transfer paper stick to the object after transfer: the temperature is too high/ or poor quality printing ink.

VI. Circuit Diagram



VII.

Explosion View



Serial No.	Part Name	Qty
1	Machine Base	1
2	Emergency Stop	1
3	16M Air Plug	2
4	Magnet	2
5	Sensor	1
6	12V Power Switch	1
7	Fuse	1
8	Power Cord	1

9	Solid Stat Relay	1
10	Intermediate Relay	1
11	Transformer	1
12	Terminal Blocks	1
13	GY-06 Digital Controller	1
14	Main Power Switch	1
15	Left handle arm	1
16	Dome cap nut ø12	12
17	Arm Pivot Shaft	4
18	Connect Board	1
19	Magnet	2
20	Right handle arm	1
21	Handle Bar Grip	1
22	Eva Handle Cover	1
23	Heater Fixing Connector	2
24	Connecting Board	2
25	Connecting Shaft	2
26	Middle Fixing Shaft	2
27	ø12 Gaskets	4

28	Lower Arm Pivot Shaft	2
29	Right Lower arm	1
30	M27 Adjusting Screw	2
31	Upper Adapt Board	2
32	Heat Resistance Nut	8
33	Lower Adapt Board	2
34	Red Press Down Spring	8
35	Bearing	2
36	3/8 Coil Pipe Port	2
37	Scald-proof Cover	1
38	Heat Platen Cover	1
39	250*1000mm Heat Platen	1
40	Heat platen holder	1
41	Hand wheel	2
42	Upper Sleeve Rod	4
43	Lower arm	2
44	Under Sleeve Rod	4
45	Gas Spring Brake Bar	2
46	Gas Spring	2