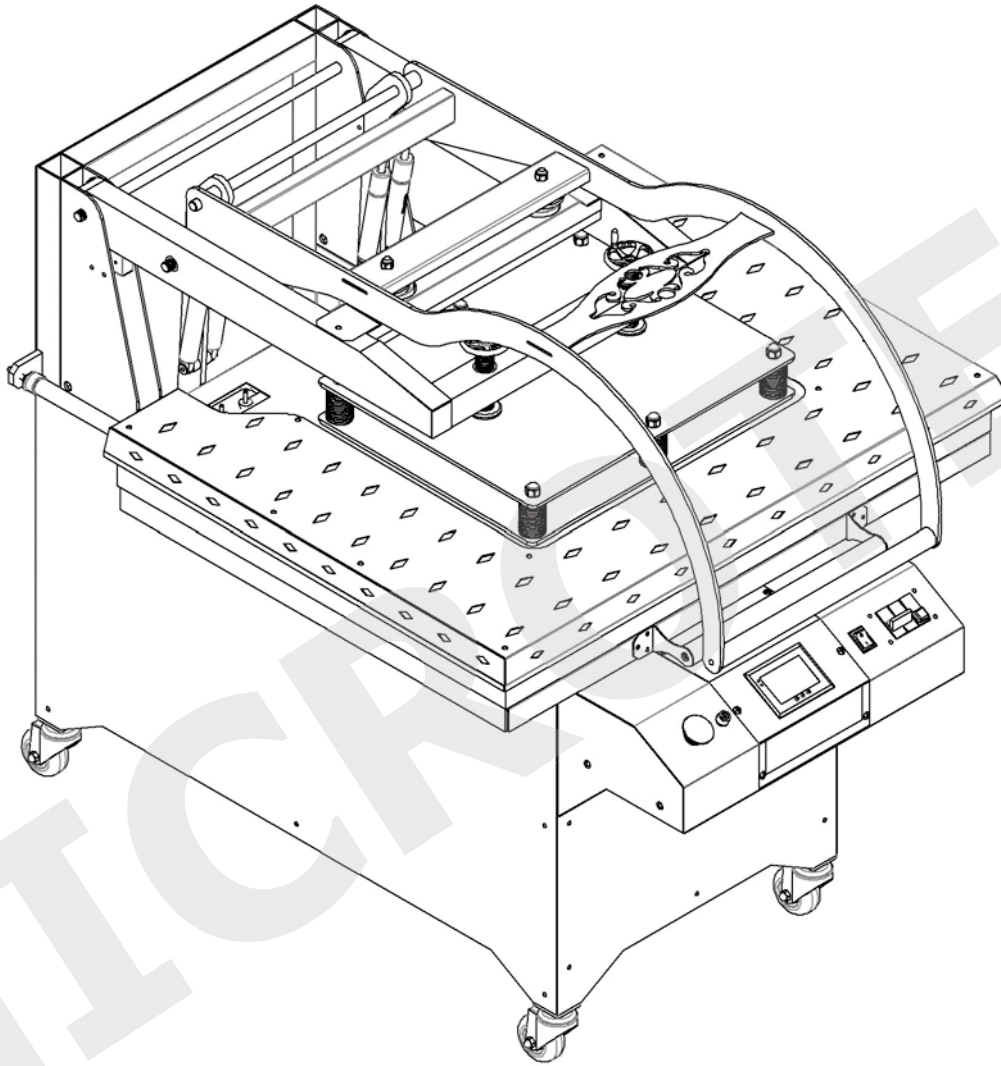


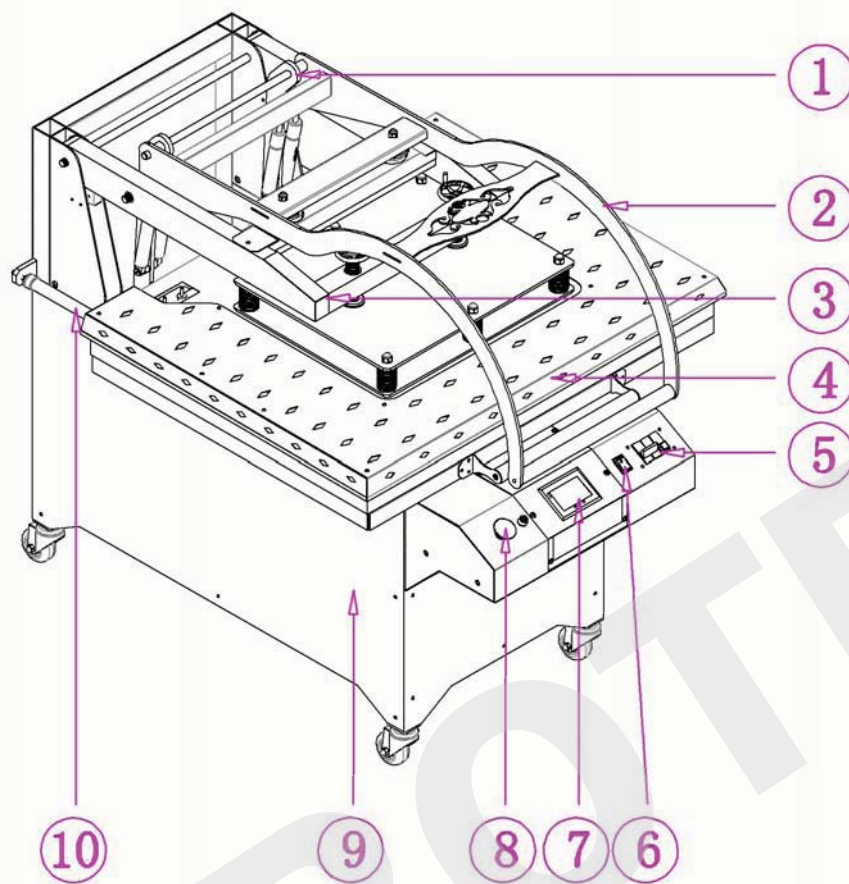
# Large Format Auto Open Heat Press with Slide-out Press Bed Manual Model. No.: STM-40/48



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## I. Assembly Drawing











- |                   |                   |                            |                         |
|-------------------|-------------------|----------------------------|-------------------------|
| ① Arm Support     | ② Handle Bar Grip | ③ Davit Arm                | ④ Heat Platen           |
| ⑤ Circuit Breaker | ⑥ Power Switch    | ⑦ GY-04 Digital Controller | ⑧ Emergency Stop Button |
| ⑨ Machine base    | ⑩ Slide Rail      |                            |                         |

## II. Technical Parameters



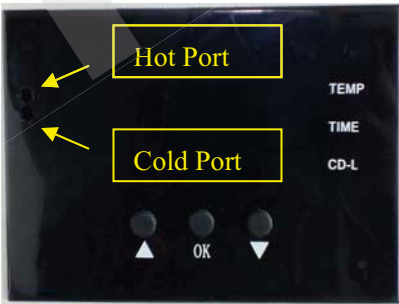



1. Model No.: STM-40/48
2. Machine Dimension: 1360\*1050\*1270mm
3. Heat Platen Size: 80x100cm/ 100x120cm
4. Printable Articles Max Size: 1000x1200\*50mm
5. Voltage: 220V 1Phase, 220V 3Phase, 380V/ 3 Phase
6. Power: 5.1KW/ 7.5KW/ 9KW
7. Recommend Setting: 5~300s; 180~200℃.  
Time Range: 0~999s  
Maximum Temp: 225℃
8. Packing Size: 152\*142\*147cm/ 154\*124\*147cm.
9. Gross Weight:: 360kg/ 430kg ( Wooden Package)

# III. Operation Process

## 1. Set temperature required

		
Turn on power switch, temperature light is ON. The digital display shows  .	Press  button, the  light is on (C denotes Celsius). Press arrows “△” or “▽” to select “℃” or “℉” (F denotes Fahrenheit) according to your habits.	Press  button, the temp  light is on. Select with arrows the temperature according to different transfer material (Normally 180℃~200℃)

## 2. Set time required

		
Press  button after temperature setting and the  time light is on. Select with arrows the time according to different transfer material.	Press  button after time setting; the display shows the temperature starts to rise. “CD-L” shows the time counting down during your transfer.	Note: There are two small port in front side of the digital display. If the real temperature is lower than digital controller shown, you can adjust the “hot port”; Clockwise to raise temperature; anticlockwise to reduce temperature.

## 3. Printing method

- Step 1: Make sure the cord is connected well to the wall socket. Lift up on the handle to open the press. The press should always be in the open position when the press is heating. then draw out the under plate and place the object (i.e. T-shirt , banner etc) and transfer paper with images facing down the object on under plate; adjust the pressure to be moderate and switch on the press.
- Step 2: Set the temperature and time required, then temperature starts to rise.
- Step 3: When the temperature rises to the set temperature, the buzzer sends out sounds; then close down the handle of heat platen. Time counter is on, and electromagnet starts working (meantime the sounds stop). The handle should lock firmly in place and should point straight-forward.
- Step 4: Time is counting down; once time is up, the heat platen will open automatically.
- Step 5: 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

STEP 6: Mouse pads, coasters, and other thicker materials may also be pressed. Simply adjust the pressure adjustment knob - clockwise to increase pressure, and counterclockwise to decrease pressure.

#### **4. Recommendations:**

1) Ceramic tile transfer: (Mugs & Plates transfer is similar)

Set temperature: 180°C.

Set time: 15 seconds

2) T-shirt transfer:

Set temperature: 180°C.

Set time: (chemical fiber use for sublimation transfer paper: 30-50 seconds; pure cotton use for T-shirt transfer paper: 10-20 seconds)

3). Aluminum sheet transfer:

Set temperature: 180°C

Set Time: 45 seconds

#### **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) For better maintenance of heat press, the maximum setting temperature is 210 degrees C (410 degrees F).

4) 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.

5) 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 heat platen.

- 1). Check whether the thermocouple of the heat platen 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 heat platen still can't heating up, check if the heat platen is faulty or the heat platen's power cable is loose, need to change by new heat platen.

### 3. The heat platen works well, but suddenly the display screen show 255°C.

- 1). Check whether the thermocouple of the heat platen touches well.
- 2). If the thermocouple touches well but still shows 255°C, then it is broken.

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

- 1). Check whether the thermocouple of the heat platen 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°C, but the actual temperature is above 200°C.

- 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 heat platen

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

### 7. Other notice

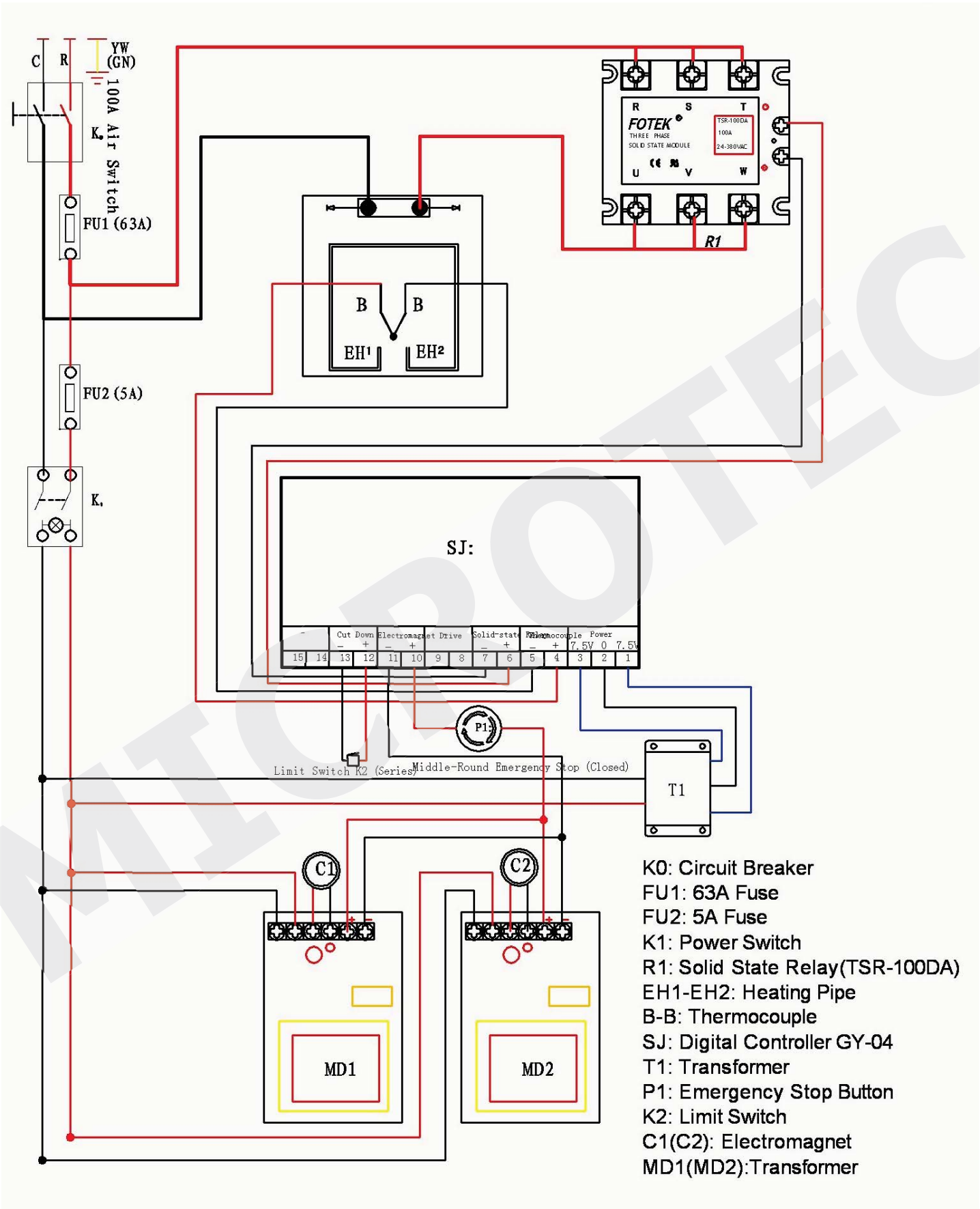
- 1). In order to prolong the machine service life, please add the lubrication oil regularly on the joints.
- 2). In order to keep the heat platen's good transfer effect, you need to protect the heat platen carefully whenever you are using it or not.
- 3). Please keep the machine in dry place.
- 4). 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

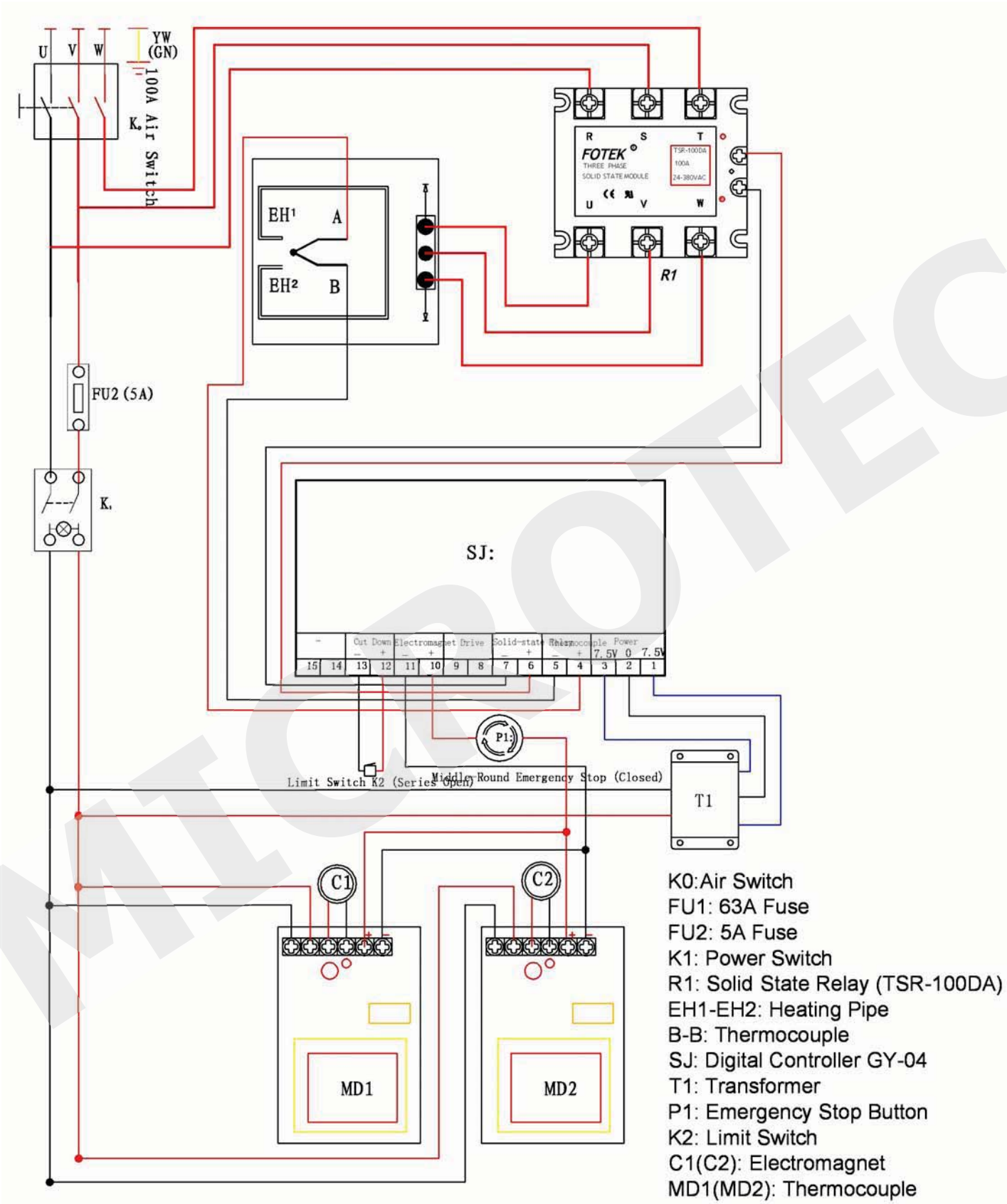
1. If the print color is pale: the temperature is too low / the pressure is not correct / or not pressed long enough.
2. If the print color is too brown or the transfer paper is almost burnt: reduce the setting temperature
2. If the print is blurring: too much transfer time causes proliferation.
3. If 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.



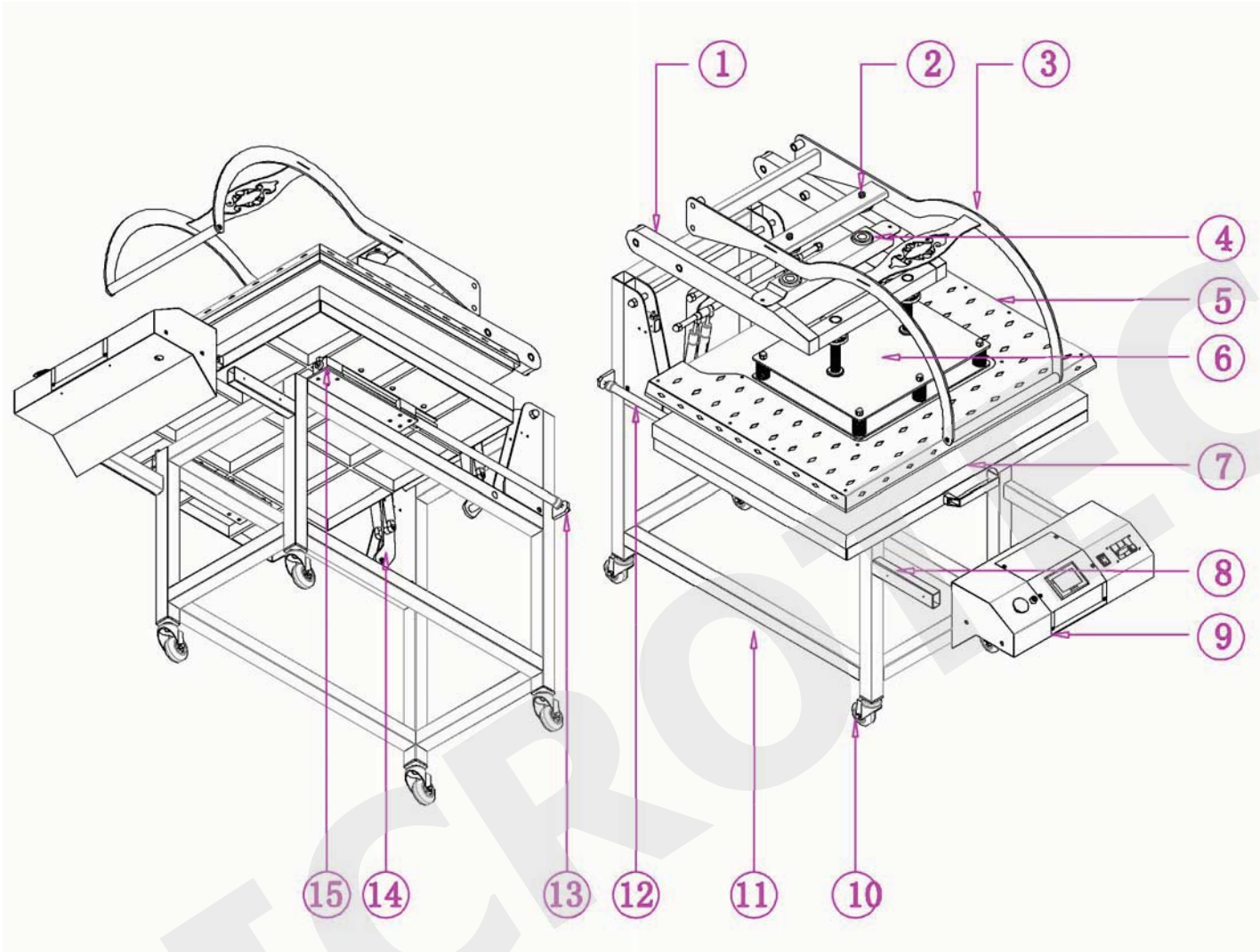
VI. Circuit Diagram (220V/1Phase)



# Circuit Diagram (220V/3 Phase)



# VII. Explosion View



Serial No.	Parts Name	Qty
1	Davit Arm Assemblage	2
2	Electromagnet Connector	1
3	Handle Bar Grip	2
4	Electromagnet Connector	1
5	Heat Platen	1
6	Heat Platen Interface Panel	1
7	Under Plate	1

8	Electric box Supporting Pole	1
9	Electronic Box	1
10	Caster Wheel	1
11	Machine Frame	1
12	Slide Rail	2
13	Limit Location Plate	1
14	Moving Support Plate	1
15	Slide Rail	1