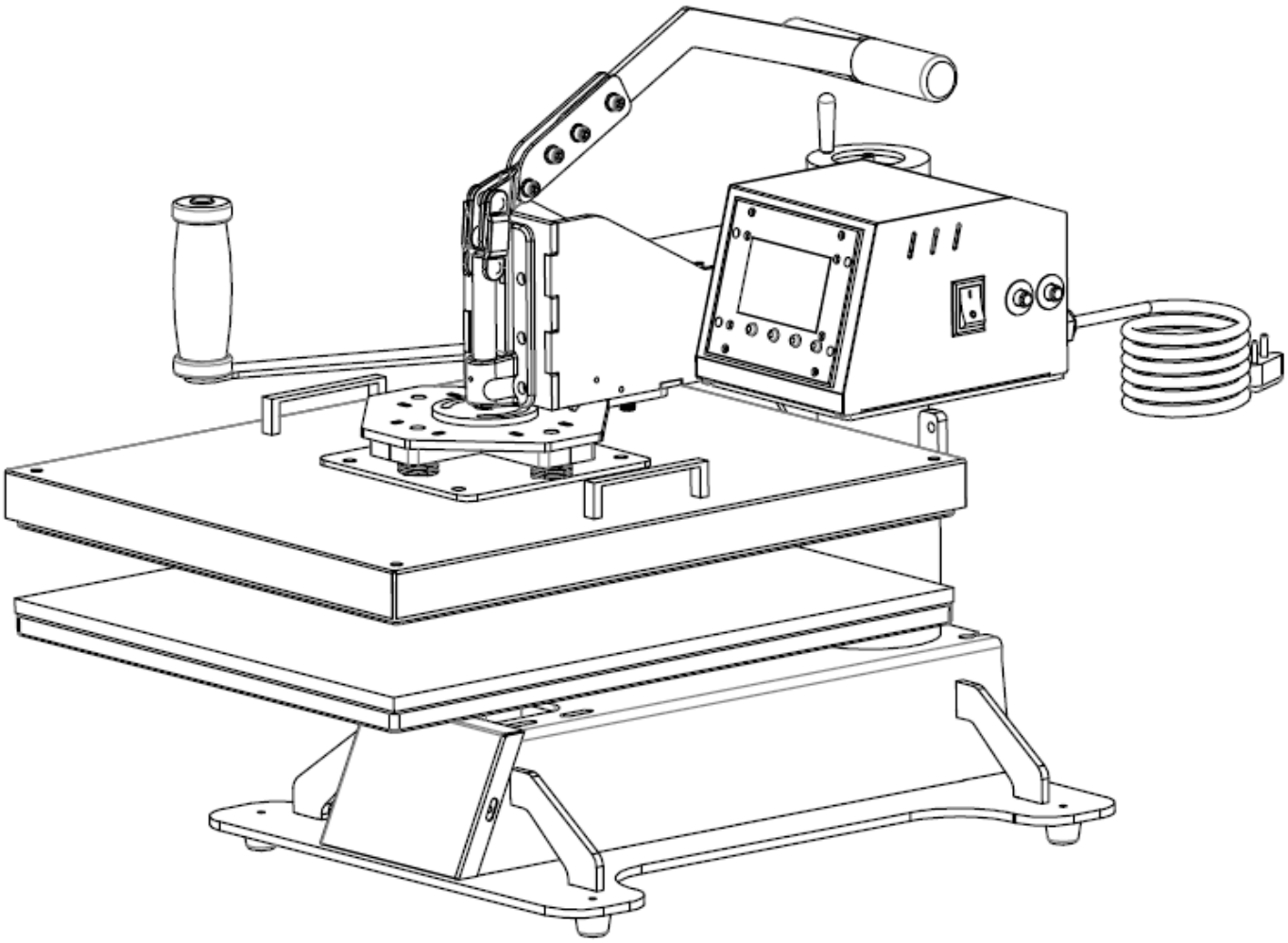
FSP Swing Away Heat Press Manual

Model NO.: FSP-15/20



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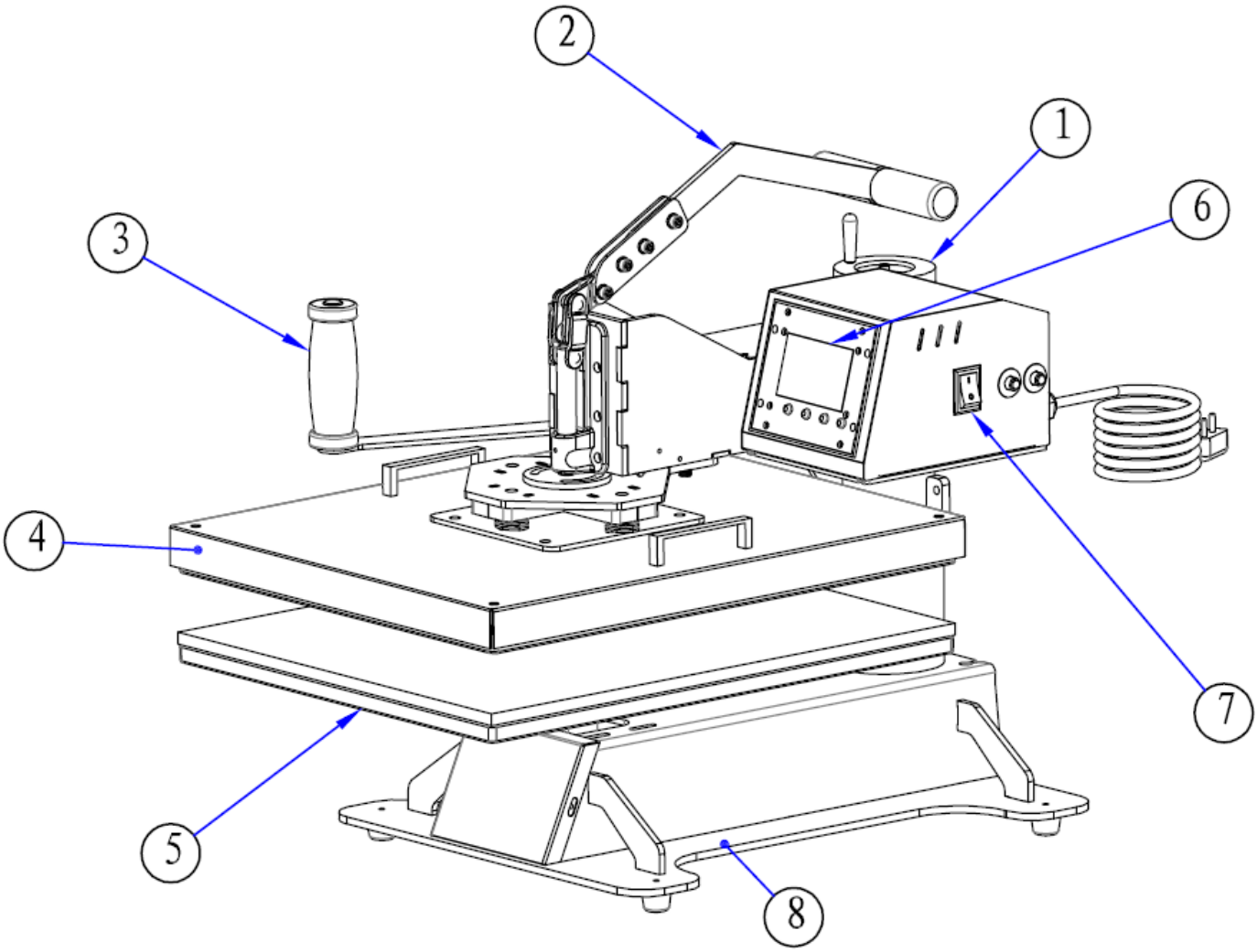
I. Assembly Drawing



○,1Hand Wheel ○,2Handle Grip ○,3Swing Handle ○,4Heat Platen

○,5Base platen ○,6GY-08 Digital Controller ○,7Power Switch ○,8Machine Base

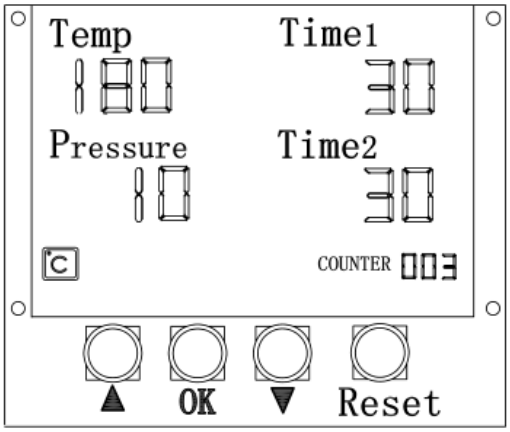
II. Technical Parameters

1. Model No.: FSP-15/20
2. Description: High Pressure Swing Away Heat Press
3. Machine Dimension: 602*400*490mm (FSP-15), 662*413*480mm(FSP-20)
4. Heat Platen Size:380x380mm (15”x15”) / 400x500mm (16”x20”)
5. Printable Articles Max Size: 380x380mm (15”x15”) / 400x500mm (16”x20”)
5. Voltage: 220V/1Phase; 120V/1Phase

6. Power: 220V/1.8KW; 120V/1.6KW
7. Time Range: 0~999s
   Maximum Temp: 0~225 C°(0~437F°)
8. Packing Size:735*555*580cm (FSP-15), 805*555*590cm (FSP-20)
9. Gross Weight: 61kg (FSP-15), 68kg (FSP-20)

III. GY-08 Controller Operating Instructions

1). At main interface, the upper row shows the actual temperature and time 1, the lower row shows the pressure value and time 2;



2). Press ‘OK’ button to adjust temperature, press”▲▼” for temperature adjusting;
Press ‘OK’ button to set time 1, press “▲▼” to adjust time. Press ‘OK’ button to set time 2, press “▲▼” to adjust time. Press OK’ button to set pressure value, press “▲▼” to adjust pressure. After finishing setting, press ”OK” button, then it returns the main interface, the machine enters to heating up mode.
(Celsius degree adjusting range is 0~225℃, Fahrenheit degree adjusting range is 0~437℉, time 1 and time 2 adjusting range is 0 ~999, pressure value adjusting range is 0~10)

3). Press the two green start-button by two hands, then the controller begins to work, the heat platen presses down, while the pressure reaches to the setting value, the count down starting, while only 3 seconds left, the buzzer alarming, the count down finished. When the heat platen reaches to the limit switch, it means transferring completed. When there is emergency situation occurring, pressing the red emergency button, then the motor will invert and stop working.

4). Long press “Reset” button for 3~5 seconds, the counter starts flickering, and the value returns to zero.

5). please repeat step 2 to adjust the parameters when machine is under heating-up situation.

6). Long press the controller for 4~5 seconds enters to engineering pattern:

P-1 Temperature Mode: Press “▲▼” to switch Celsius degree/Fahrenheit degree.

P-2 Temperature Difference Calibration Mode, setting range is -50~+50;

E.g.: Set 180℃ as target, when the display shows 180℃, while the real average temperature of heating platen is 174℃. That is to say, the temp difference is 6℃, needs to decrease the display temperature by 6℃.
Suppose the current P-2 mode shows '10' after you enter, then you need to press the "▲▼" and change "10" to '04'. (namely decreased 6 C already).

P3 Constant Temperature Mode, interval range is 1~10

E.g: You could set a temperature value that you want to enter to constant temperature before it reach the setting temperature. For example, the setting temperature is 180℃ and P-7 is 10℃, then when the temperature reaches 170℃, it will enter the constant temperature mode, heating and pause in cycle to avoid overheat.

P4 Heating time and pause time, setting range is 1~10

P5 Constant Temperature Heating Mode, Setting range is 0-10S

P6 Sleep Mode, sleeping time 0~240min

P7 Pressure Value Compensation, setting value 1~10

P8 Counter (Million progressive system), it cannot be cleared out.

IP9 There are two modes: Mode 1 is standard setting, mode 2 is safe setting design

Mode one: The heat platen will press down once you press the start button;
Mode two: press down only after you long pressing the start button for 2 seconds, if without pressing for 2 seconds, it will bounce back, this mode is for the safety consideration, due to some clients worry about it will scald hands if heat platen pressing down too quickly, and if the hands pressing the start button while the heat platen pressing down, it can avoid this problem.

Important Notice: This operation is recommended under the guidance of professional staff, Please don't change any setting without consulting the engineers of our company.

IV. Maintenance

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

2.Turn off the power before changing spare parts. In order to ensure the accuracy of the parameter of GY-10 controller, please re-set the time and temperature.

3.To avoid damage, please keep the heaters well when change the spare parts.

V. Trouble Shooting For Transfer Print Quality

1. After changing mug heater, time and temperature showing become abnormal:

Solution: Reset time/temperature according to the manual

2. If the color is not as bright as photo after printing, please try below ways:

Solution: A. Adding transfer time. B. Increasing transfer temperature.

3. If the print color is too brown or the transfer paper is almost burnt:

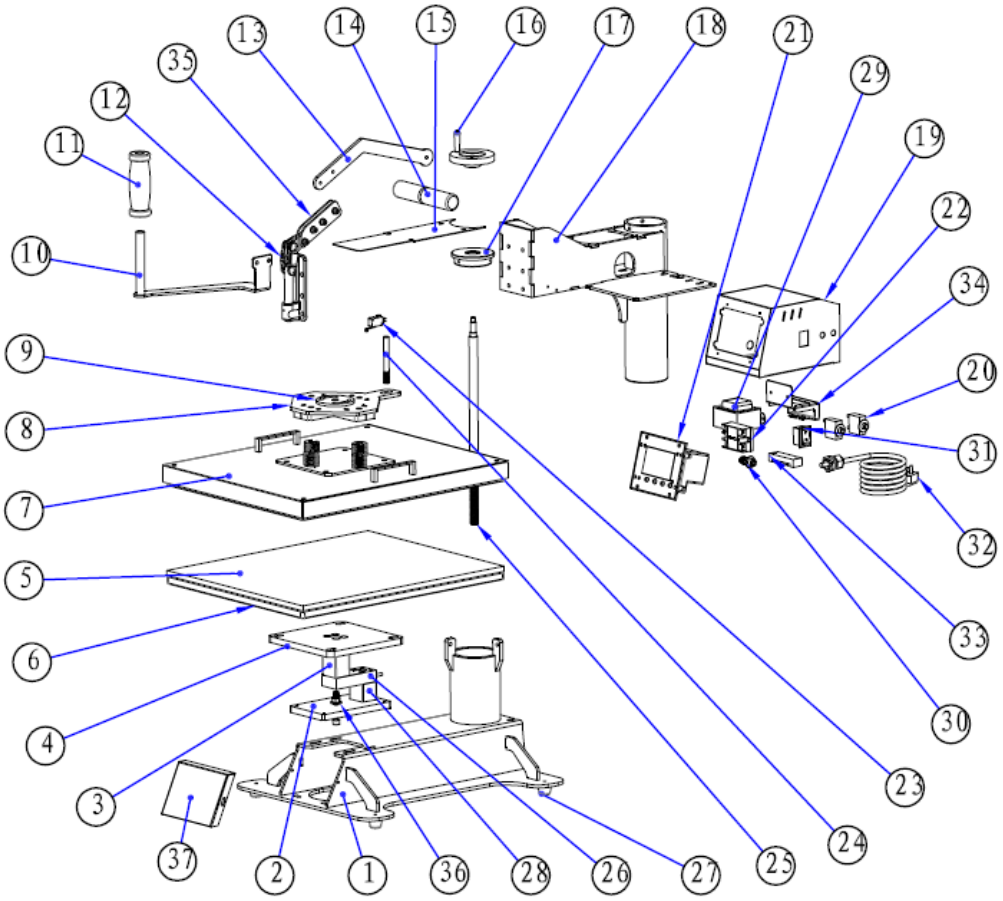
Solution: Please reduce the setting temperature.

4.If print color is different/ partial transfer effect is not good enough:

Solution: A. Increase the pressure. B. Extend the transfer time. C. Change the sublimation paper.

5.If the machine is getting abnormal, please contact us to solve the problems.

VI. Explosion View



No	Part Name	Qty
1	Pedestal	1
2	Dynamometer-Base plate	1
3	Dynamometer-Upper column	1
4	Dynamometer-Layer board	1
5	Dynamometer-Lower plate	1
6	Silicone Pad	1
7	Heating element assembly	1
8	Cross frame	1
9	Round turning board	1
10	Handle	1
11	Handle cover	1
12	Quick clamp	1
13	Quick clamp crank	1
14	Handle cross-bar	2
15	Cover plate for pressure display window	1
16	Hand wheel	1
17	Rocker end cover	1
18	Rocker	1
19	Electric box	1

No	Part Name	Qty
20	Circuit breaker	2
21	Digital controller	1
22	Solid state relay	1
23	Limit switch	1
24	Locating rod	1
25	Rocker adjusting rod	1
26	Pressure sensor	1
27	Machine feet	4
28	Dynamometer-Under column	1
29	Transformer	1
30	Aviation plug	1
31	Power switch	1
32	Power line	1
33	Terminal blocks	1
34	Line connector mounting plate	1
35	Quick clamp junction plate	1
36	Stop screw	1
37	Pedestal end cover	1

VII. Circuit Diagram