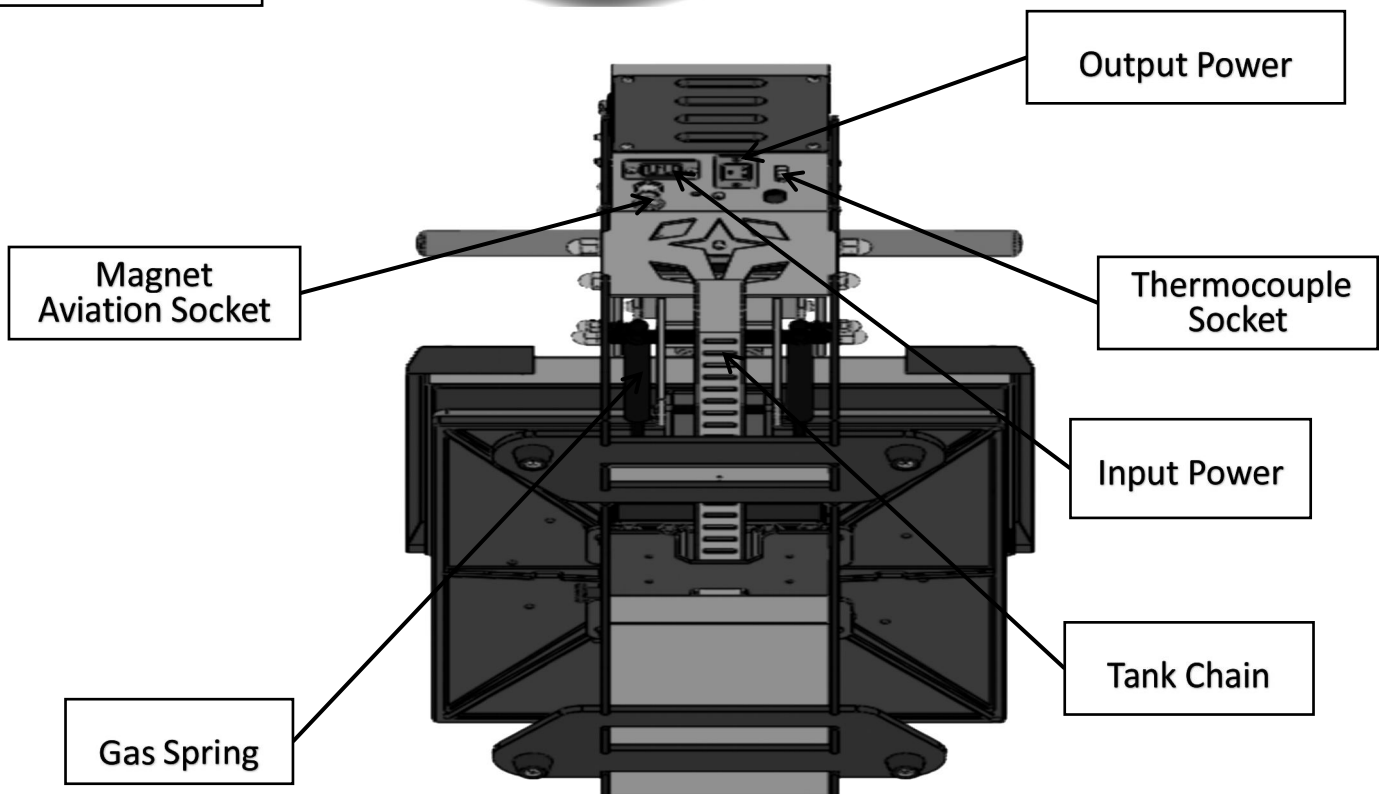
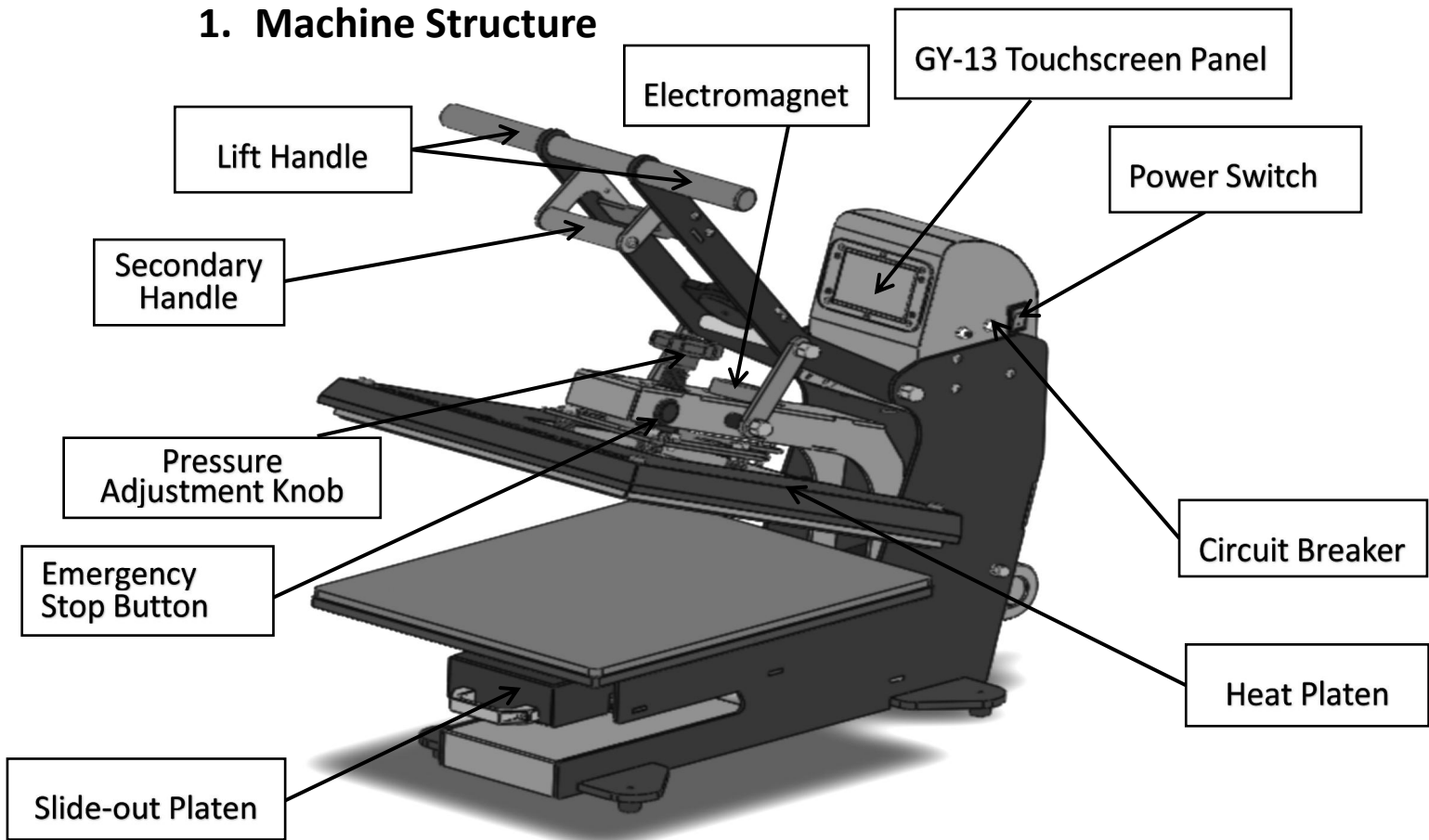
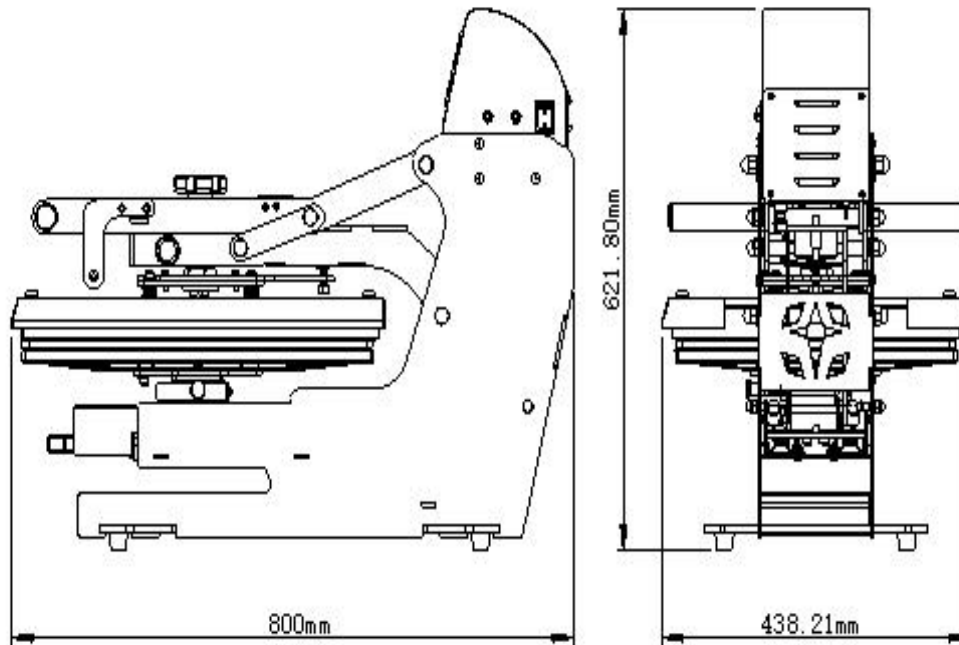


Operation Manual

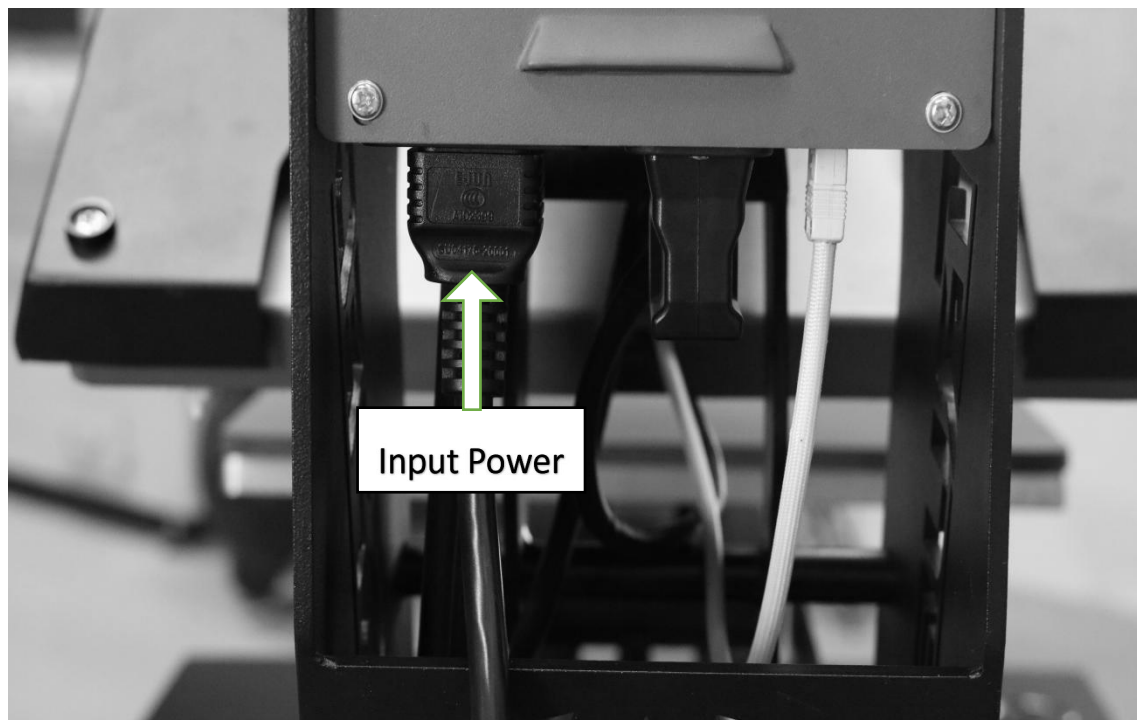
1. Machine Structure



2. Dimension Drawing



3. Connect the Power Supply




Connect the plug to the machine and then connect the power supply


4. GY-13 Controller Operation Manual



(1) Turn on the machine

① Plug in AC220/110V power supply based on the machine's voltage, and turn on the red power switch.

② When the machine is powered on, 3 seconds later, the red power button indicator “” in the lower right corner flashes.

③ Press the power button “” for 2s to start the controller. The panel flashes for 3s to display the main interface. The pressure value in the upper left corner displays [P-0] (The pressure value is P1-P8).

(2) Press "1/2/3" to switch among 3 frequently used settings. The selected one displays “[]”. In the above image, [1] means the first setting is selected.

(3) Temperature & time setting


① Press the button "S" to enter temperature setting. When the temperature unit "°C or °F" flashes, press the button "-/+ " to set the temperature. (Adjustable temperature range: 0-230°C / 32-446°F)

② Press the button "S" to enter time setting. When "S" for Time 1 flashes, press the button "-/+ " to set Time 1.


Press the button "S" again to set Time 2. When "S" for Time 2 flashes, press the button "-/+ " to set Time 2. (Adjustable Time range: 0-999S)

③ Press the button "S" to save all settings and exit setting mode. The controller enters the main interface and the machine begins to heat up.

Note: After each setting is completed, the current setting is saved to three 3 frequently used settings [1] [2] [3].


When the machine heats up, heating symbol  flashes.

(4) When the temperature of heat platen reaches the set temperature and the buzzer emits "beep" sound, press the heat platen manually. The current pressure is displayed in the top left corner, and simultaneously Time 1 begins to count down and the buzzer beeps once. When Time 1

enters the mode of countdown, countdown symbol  begins to flash. When the countdown is left to 3 seconds, the buzzer emits "beep" sound.

When the countdown is over, the heat platen opens automatically and

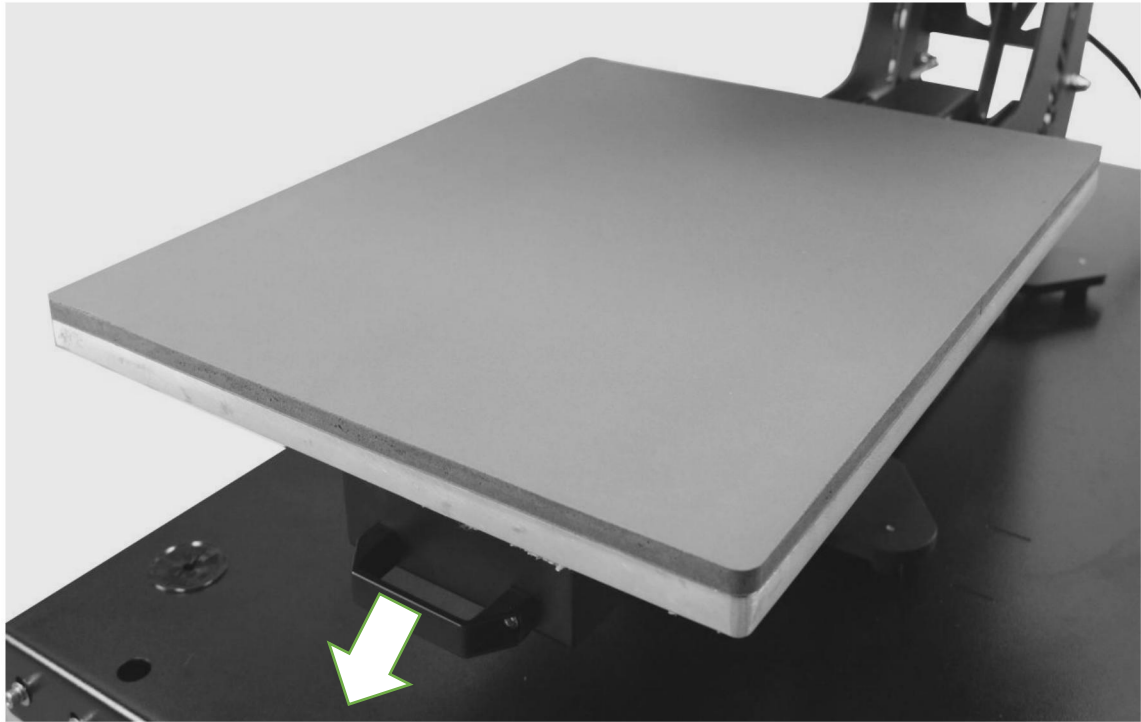
the pressure displays “P-0”.

Press the heat platen again manually, the current pressure is displayed in the top left corner, and simultaneously Time 2 begins to count down and the buzzer beeps once. When Time 2 enters the mode of countdown, countdown symbol  begins to flash. When the countdown is left to 3 seconds, the buzzer emits “beep” sound. When the countdown is over, the heat platen opens automatically and the pressure displays “P-0”.

(Note: Time 1 and Time 2 can recycle to use. If users set Time 1 and Time 2 but only use Time 1, users can't operate the main interface. Users must finish the operation of Time 1 and Time 2 if they want to operate the main interface. Users can also set Time 1 to 0, only use Time 2)

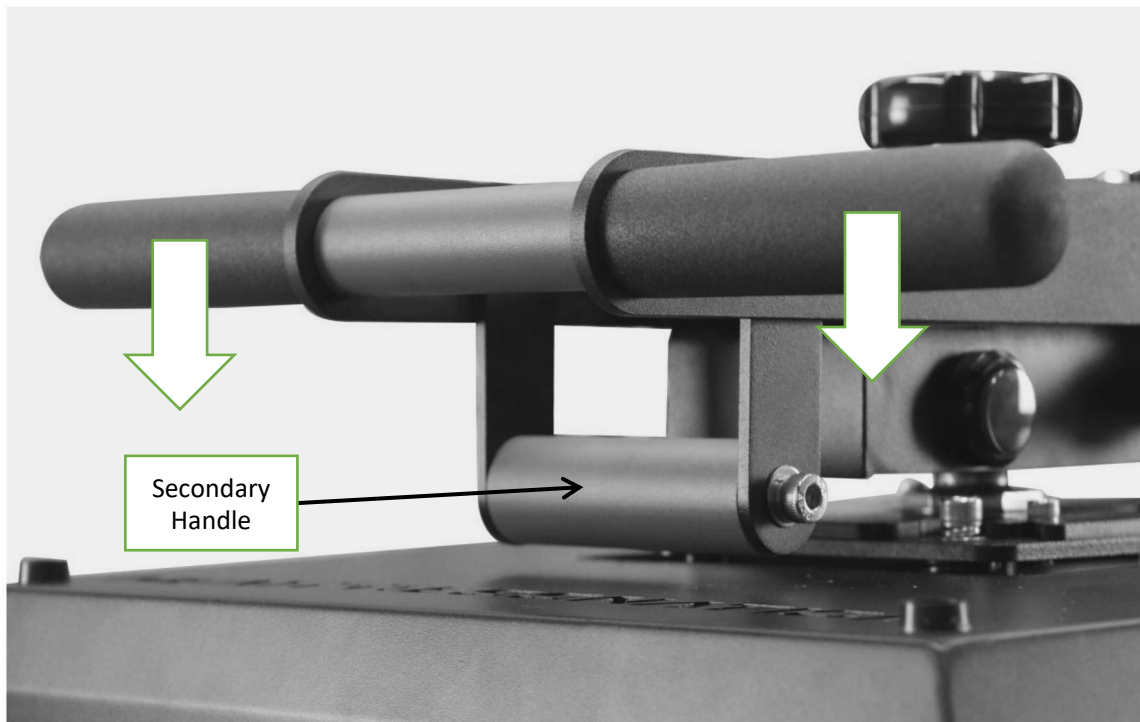
During operation, if any emergency occurs, please press the red emergency stop button and then the heat platen opens automatically.

5. Slide-out Platen



Pull out the platen, place sublimation materials and push it in

6. Press Down Manually



Press down the handle with both hands

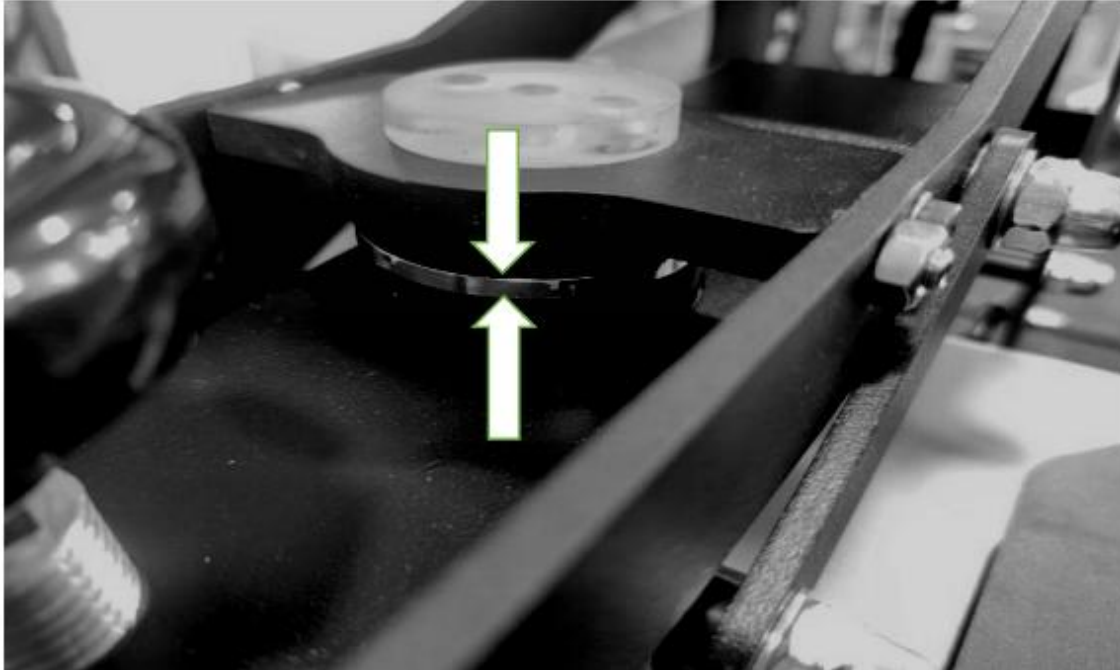
7. Adjust Pressure Manually



Twist the knob to adjust pressure

8. How to Switch Automatic or Manual Mode

Turn over the plate to switch automatic or manual mode. One side of the plate is iron for automatic mode, the other side of the plate is transparent polyurethane for manual mode.



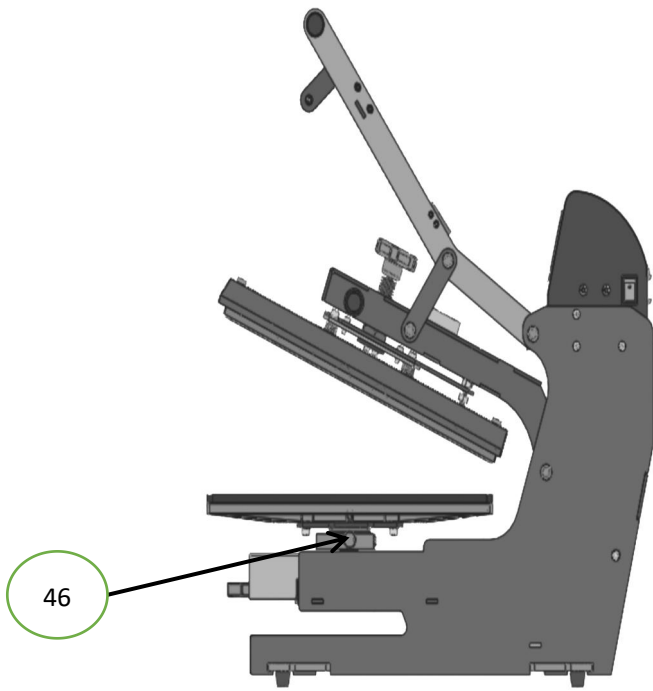
Automatic Mode

When time is up, the heat platen opens automatically.

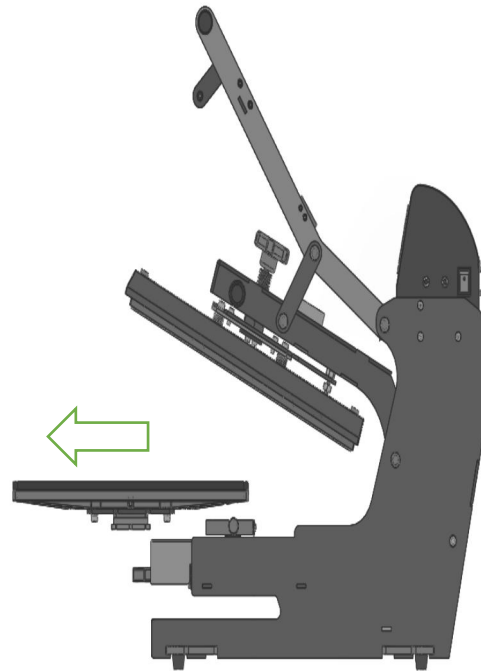
Manual Mode

When time is up, please lift the heat platen manually.

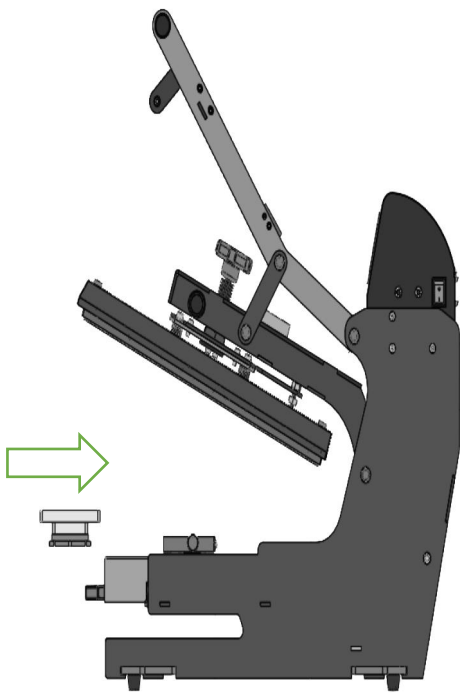
9. Quick-change Platen



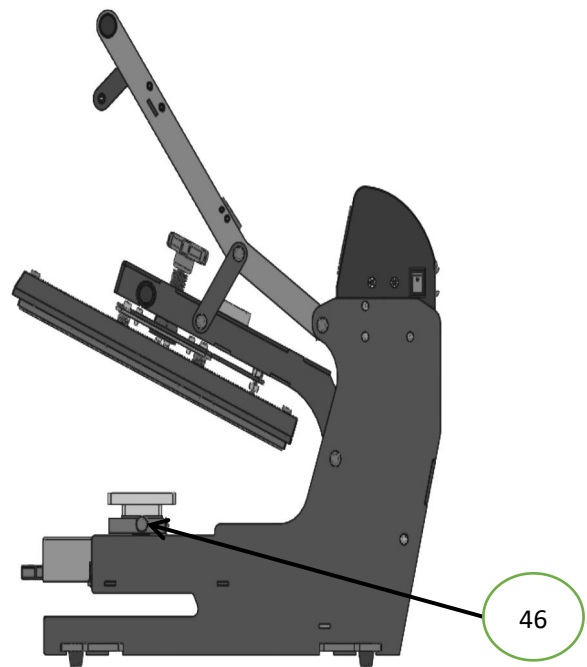
Pull out and twist the index pin



Pull out the lower platen

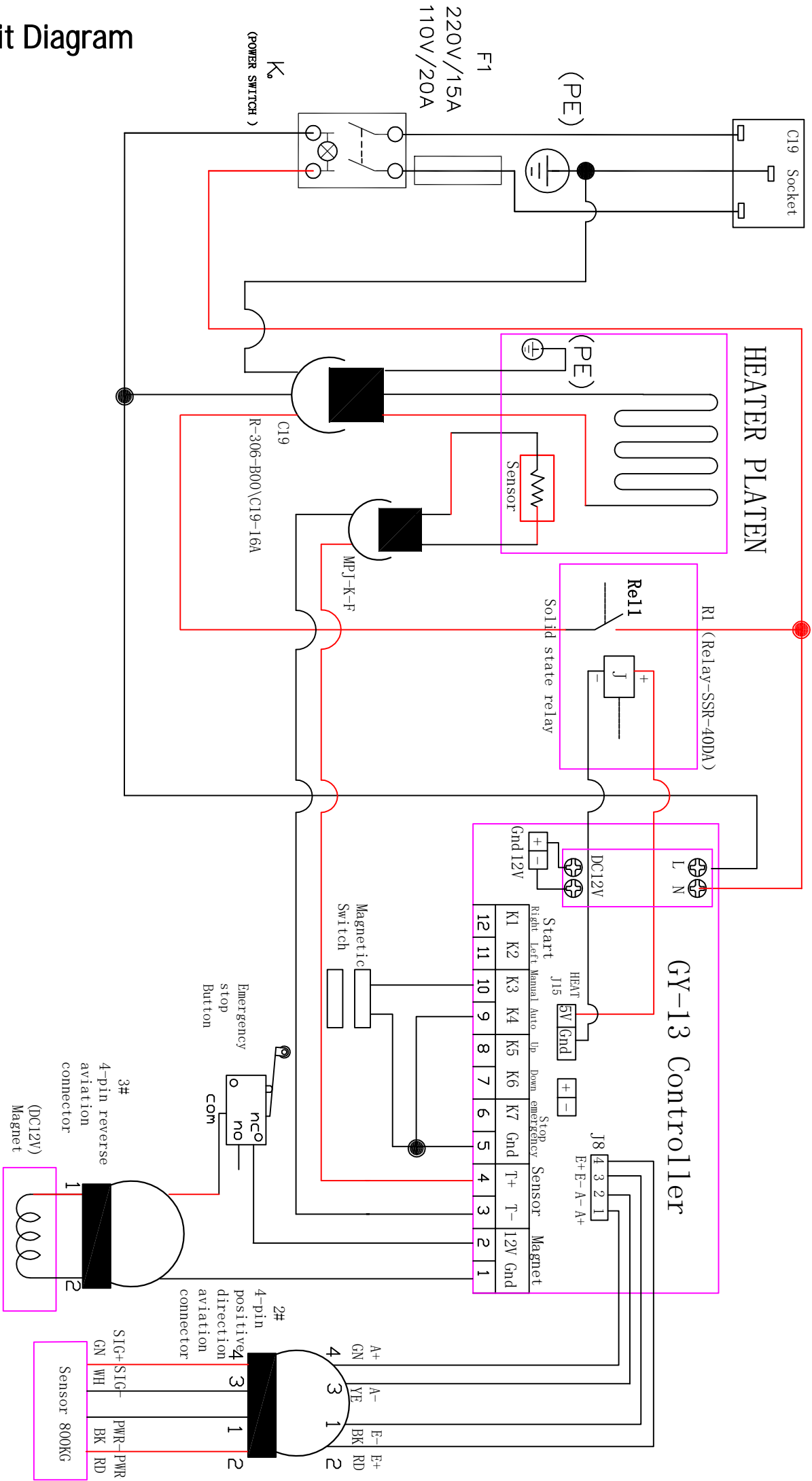


Replace different sizes of lower platens



Insert the lower platen to align it with the notch and then twist the index pin

Circuit Diagram



Part List

No.	Part	Quantity	No.	Part	Quantity
1	Machine Frame	1	51	Anti-collision Rubber Stopper	1
2	Machine Arm	1	52	PVC Handle Cover	2
3	Chrome Plated Pin	1	53	Emergency Stop Button	1
4	Connecting Piece	2	54	Guide Pillar	1
			55	Nut M10	2
5	Electromagnet	1	56	Steel Sleeve	2
6	5mm Connecting Piece	2	57	Screw M8X16	2
7	12 Round Steel Pin	2			
8	Handle Lever	1	58	Conical Machine Foot	4
9	Electromagnet Plate	1	59	Secondary Handle	2
10	Handle Tube	1	60	Handle Tube	1
11	12 Round Steel Pin	2	61	Screw M6X10	4
12	Heating Platen Cover	1	62	Screw M8X20	2
13	A3 Plate of Heat Platen-2-10	1	63	GY-13 Controller Frame	1
14	Mold Spring	4	64	GY-13 Controller	1
15	M27 Pressure Rod	1	65	Large Slide Rail Plate 1-A	1
16	5mm Bearing Barrier	1	66	Slide Rail Plate 2-m10x1-A	1
17	400*500mm Heat Platen	1	67	Slide Rail Plate Pad-A	1
18	A3 Plate of Heat Platen-1-10	1	68	Slide Rail Plate 1-3-ab-A	1
19	400*500mm Heat Platen Cover	1	69	Nut M8	2
20	Insulated Plastic Ring	4	70	Type 8 Washer	10
21	Truss Head Screw M6X30	4	71	Type 12 Washer	8
22	Truss Head Screw M5X16	6	72	Screw M5X10	4
23	Pillar of Heat Platen Cover	4	73	Screw M6X16	11
24	Pressure Adjustment Knob	1	74	Screw M8X25	4
25	Electric Box	1			
26	Rocker Switch	1	75	Screw M6X20	4
27	Back Panel of Electric Box	1			
28	Big Transformer	1	76	Screw M8X30	4
29	Circuit Breaker	2			
30	Solid State Relay	1	77	Screw M6X12	2
31	C19 3 Pins	1			
32	Mounting Plate of Relay	1	78	Screw M8X45	4
33	Lower Platen Assembly	1			
34	Washer of Connecting Piece	2	79	Half Round Nut M12	8
35	400*500mm Silicone Pad	1	80	Cross Screw M8X220	4
36	Small Handle	1			
37	Small Machine Foot	2	81	Gas Spring	2
38	Slide Rail Assembly	2	82	Washer	4
39	Slide Rail	1	83	Power Cord	1
40	Slide-out Platen	1	84	Cross Screw M4X10	8
41	400*500mm Lower Platen	1			
42	Pressure Sensor	1	85	Small Four-pin Socket	2
43	Pressure Adapter Pad	1	86	Three-pin Socket	1
44	Pressure Adapter Pad	1	87	C20 Plug	1
45	Plate for Quick Change	1	88	M5 Rubber Coated Screw	2
46	Index Pin	1	89	Small Four-pin Aviation Plug	2
47	Handle	1	90	Magnetic Switch	2
48	Limit Rubber Stopper	1	91	Binding Head Screw M3X10	4
49	8mm Electromagnet Suction Plate	1			
50	Screw M8x16	1	92	Nut M3	2
			93	K Type Thermocouple Socket	1
			94	Cross Screw M5X10	4
			95	Tank Chain	1

Explosion View

