

Operation Manual

(GS-105HS)

Safety Instructions

**When using your heat press,
basic precautions should be followed,
including the following:**

1. Read all instructions.
2. Use heat press only for its intended use.
3. To reduce the risk of electric shock, do not immerse the heat press in water or other liquids.
4. Never pull power cord to disconnect from outlet, instead grasp plug and pull to disconnect.
5. Do not allow power cord to touch hot surfaces, allow heat press to cool completely before storing.
6. Do not operate heat press with a damaged cord or if the equipment has been dropped or damaged. To reduce the risk of electric shock, do not disassemble or attempt to repair the heat press. Take it to a qualified service person for examination and repair. Incorrect assembly or repair could increase the risk of fire, electric shock, or injury to persons when the equipment is used.
7. This appliance is not intended to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
8. Close supervision is necessary for any heat press being used which can be sure to keep children away from the equipment. Do not leave equipment unattended while connected.
9. Burns can occur when touching hot metal parts.
10. To reduce the likelihood of circuit overload, do not operate other high voltage equipment on the same circuit.
11. If an extension cord is necessary, then a 20-amp rated cord should be used. Cords rated for less amperage may overheat. To arrange the cord in a correct way so that it cannot be pulled or tripped over.

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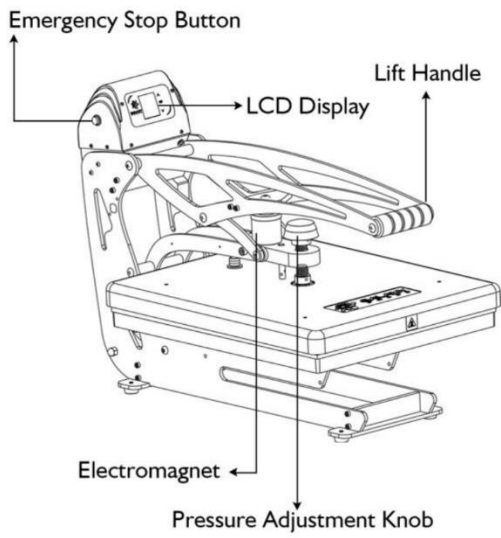
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Technical Parameters (GS-105HS)

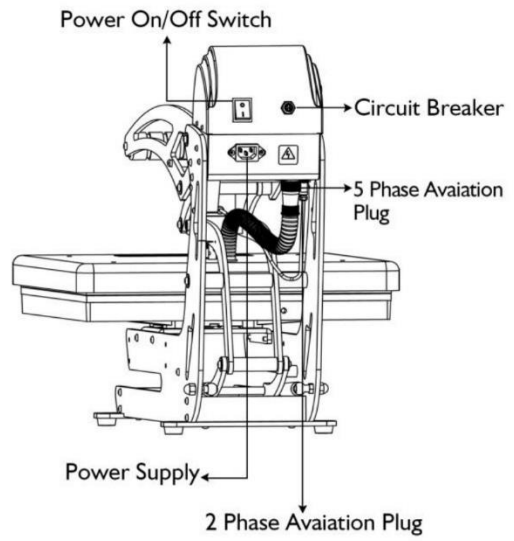
Model:	GS-105HS-1620
Heater Size:	16"×20"
Pressure Display:	Yes
Auto Open:	Yes / Can also be setup as a Manual Operation Press
Slide-out Lower Platen:	Yes
Power(110volt)	1800W/16.4Amps
Temperature Range:	Max. 430°F/ 221°C
Heating Up Time (180°C)	20 minutes
Time Range:	0~999S
Platen Exchange System	"Ramlock" quick change system
Optional Lower Platens (*Sold Separately)	4"×4"
	11"×15"
	8"×10"
	6"×20"
	6"×10"
	15" ×15"
Size (open) :	29.5" x 16.9" x 39.3"
Packing Size:	33.1" x 20.5" x 23.4"
Packing Weight:	119.0lbs
Certificate:	CE, FCC

Machine View

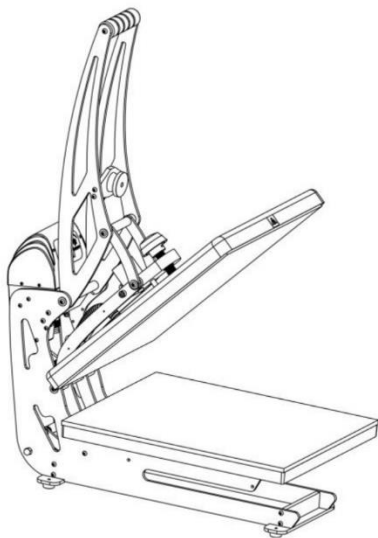
CLOSED VIEW (GS-105HS)



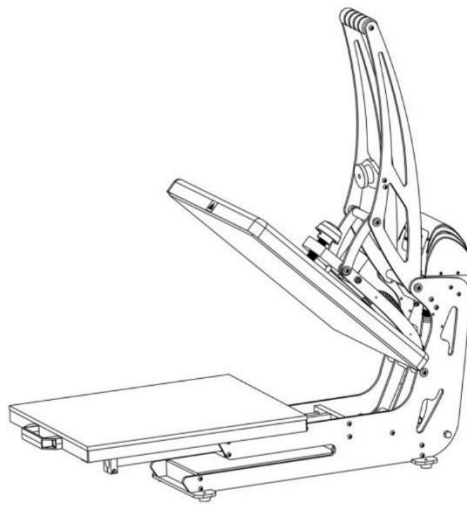
CLOSED VIEW (GS-105HS)



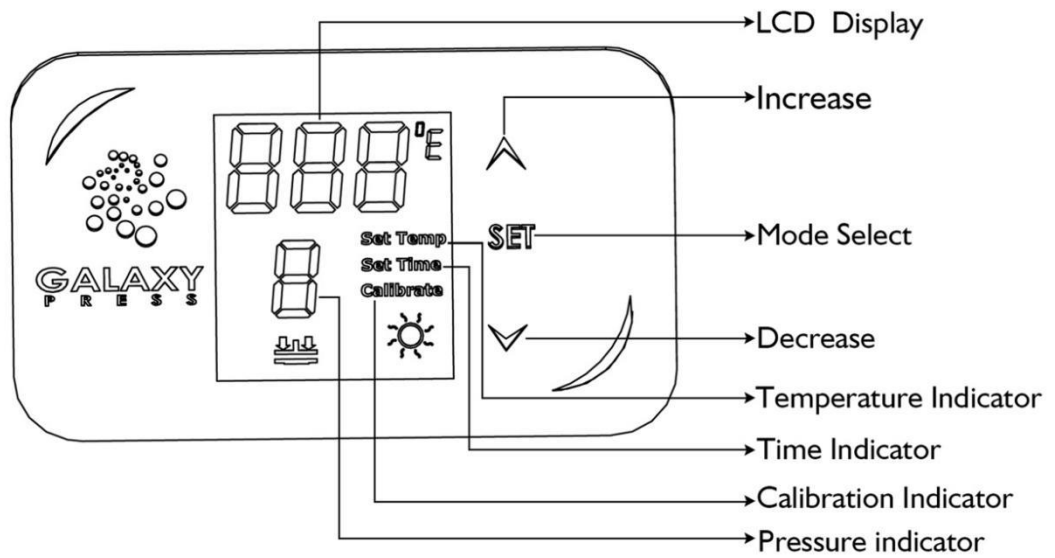
OPEN VIEW (GS-105HS)



OPEN VIEW (GS-105HS)



Control Panel Guide

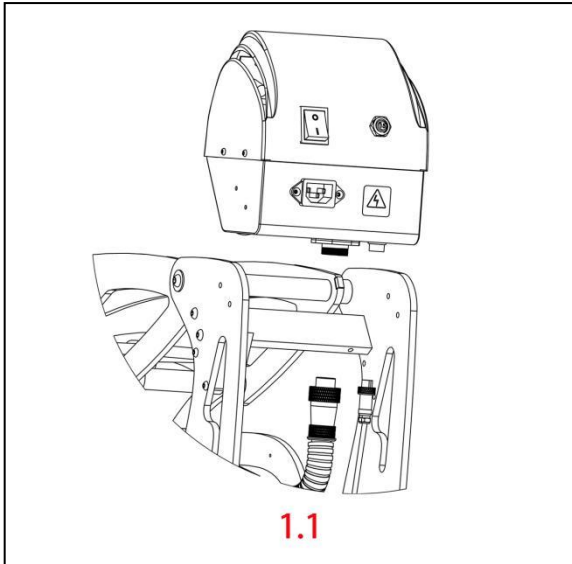


Operation Instructions

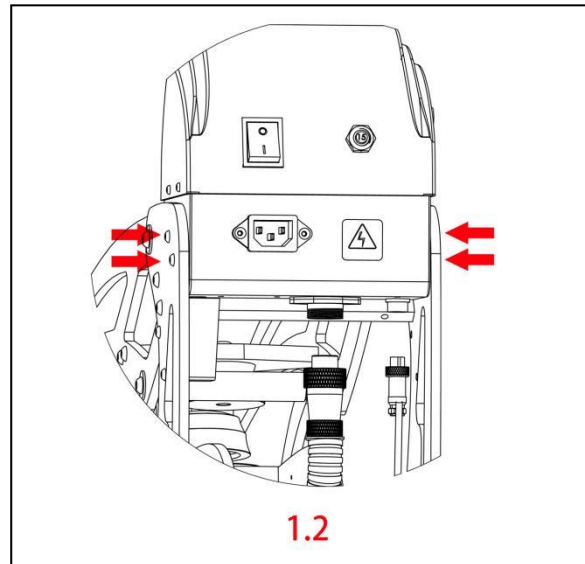
Assemble the Control Box

1. ASSEMBLE THE CONTROL BOX

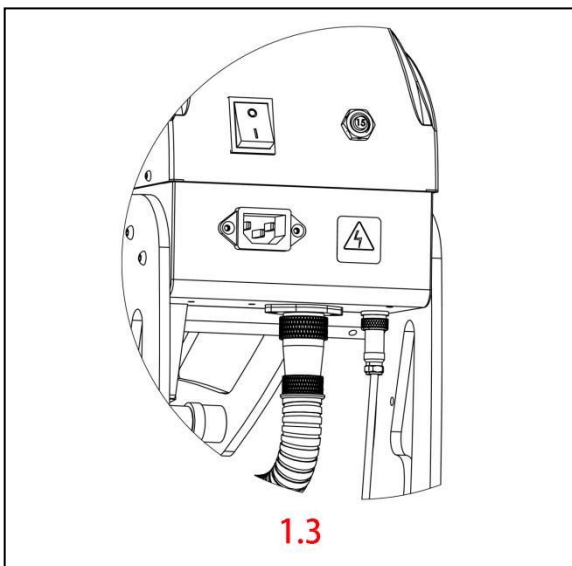
1.1 Take out control box inside of the packing carton, then place the control box on top of the machine in the right position. (figure 1.1)



1.2 Fasten the control box onto the machine with 4 screws tightly. (figure 1.2)



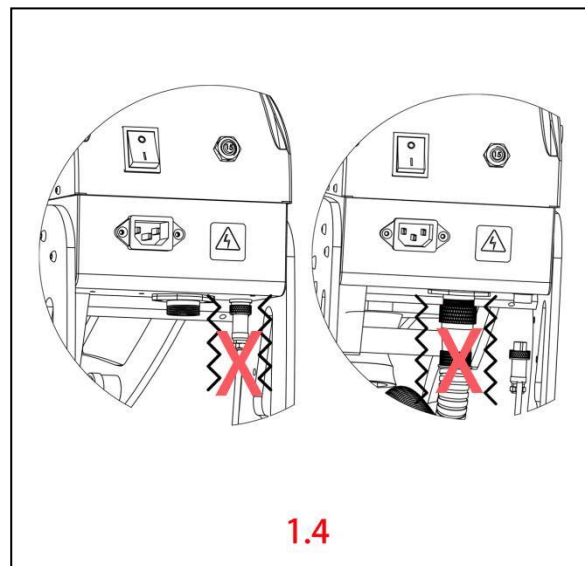
1.3 Connect 5 phase aviation plug and 2 phase aviation plugs, then fasten tightly. (figure 1.3)



ATTENTION: the aviation plug must be connected tightly. (figure 1.4)

CAUTION

A sway connector will cause burning. Ensure the connector is secure.



Connecting the System

2. CONNECT THE POWER CORD

2.1 Connect the power cord into a properly grounded electrical outlet with a sufficient amperage rating.

- **VOLTAGE**

110 Volt – The GS-105(HS) requires a full 20-amp grounded circuit for 110-volt operation.

- **EXTENSION CORDS** If used, should be as short as possible and not less than 12 gauge. Heavy duty cords are recommended.

- **CIRCUITS** that have less than 15 amps or that have other high demand equipment or appliances (especially more than one heat seal machine) plugged in, should not be used.

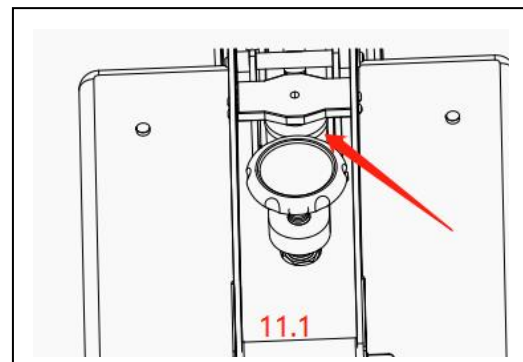
NOTE: If the supply cord is damaged, be sure to contact the manufacturer, its service agent or a similar qualified person for a replacement to avoid hazard

CAUTION Failure to follow these instructions will cause:

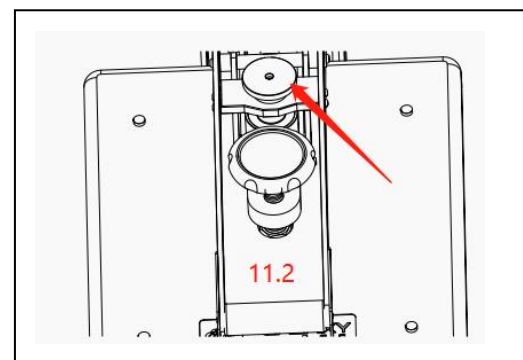
- 1) Erratic controller functions.
- 2) Inaccurate displays and slow heat-up.
- 3) The circuit breaker to disengage.

Ramspin system (Auto& Manual switch)

11.1 When the Ramspin system (Auto & Manual switch) is facing down, the machine will automatically open after pressing is complete. (fig.11.1)

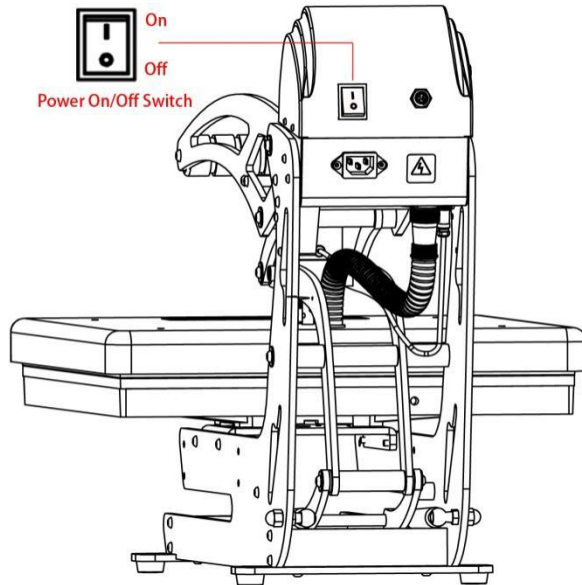


11.2 When the magnetic plate is facing up, the machine needs to be opened manually. (fig.11.2)



Turn on the System

3. Switch the System On

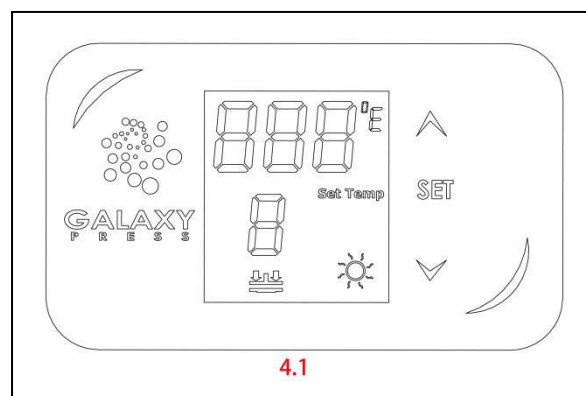


Adjusting the Temperature

4. ADJUST THE TEMPERATURE

4.1 Press "SET" button. "Set Temp" lights located in the display will illuminate. (figure 4.1)

4.2 Next, press the UP and DOWN Arrow to increase or decrease the figure to set the Temperature. The temperature setting range is 170° F (76° C) to 430° F (220° C).

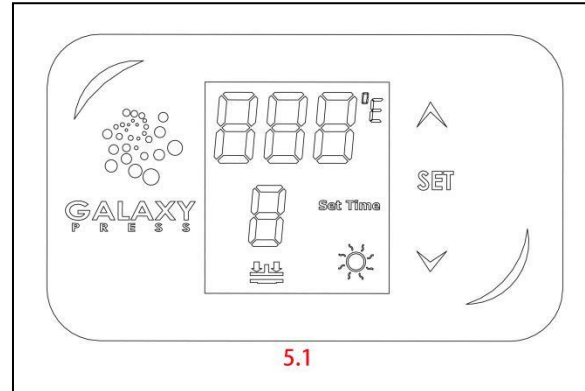


Adjusting the Time

5. ADJUST THE TIME

5.1 Once you have set your target Temp., press the “SET” button again. “Set Time” lights located in the display will illuminate. (figure 5.1)

5.2 Next, press UP and DOWN Arrow to increase or decrease the figure to set the Time. The time setting range is from 0 to 999S.

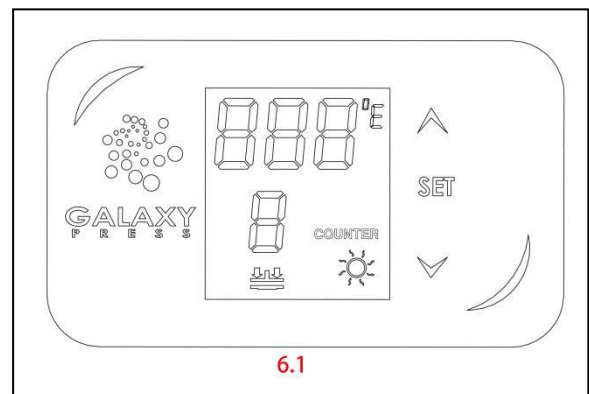


Counter Setting

6. COUNTER SETTING (Used to show how many completed presses you have done)

6.1 Once you have adjusted the time, press “SET” button again. “Counter” lights located in the display will illuminate indicating. (figure 6.1)

6.2 You can press “SET” button to quit the setting if you do not want to set the Counter or you can press UP and DOWN Arrow to adjust the counter if needed. The counter setting range can be set from 0~999.

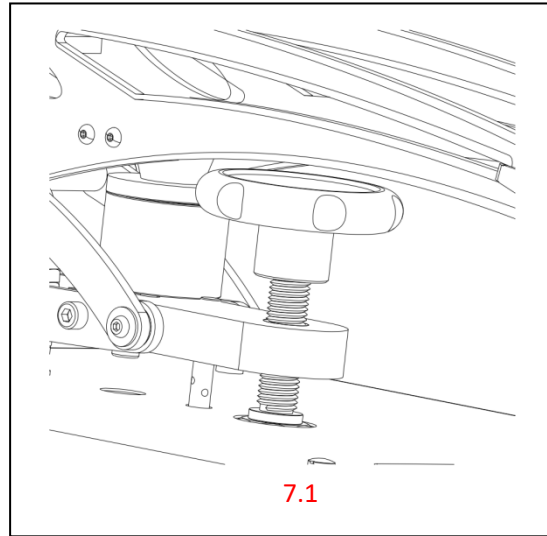


Adjusting the Pressure

7.AJUST THE PRESSURE

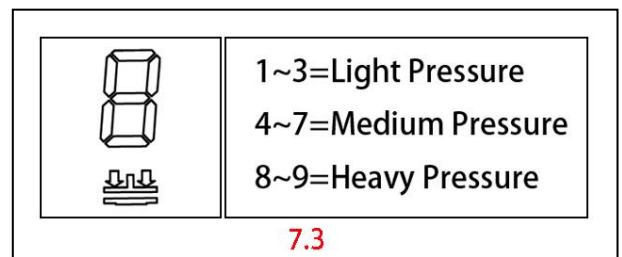
7.1 First, locate the LED Display on the Press. The Pressure Adjustment Knob is located in the center of the heat platen (See figure 7.1)

7.2 To adjust the Pressure, simply turn the Pressure Adjustment Knob to the right or clockwise to increase the Pressure and to the left or counterclockwise to decrease the Pressure. The readout will display the Pressure when locked down in the print position.



PRESSURE READOUT

7.3 A visual Pressure Readout is located on the lower right side of the LCD Display. When the handle is locked into the Print Position, a pressure number will be displayed. Readout will be on a scale of 0 - 9. A 0 Pressure readout would indicate no pressure at all and 9 would indicate very heavy pressure. (See figure 7.3)



REMEMBER: To allow for the thickness of your garment when adjusting the pressure.

Printing and Pressing

8.PRESS

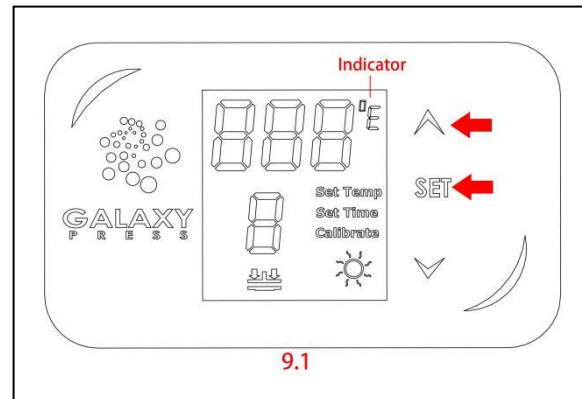
- Once your equipment has reached the designated temperature.
- Position the garment and application on the lower platen.
- Lower and lock the heat platen into the press position. Closing the press will start the automatic timing process.
- The timer will automatically count down and lift the heat platen into the “UP” position when the press cycle is complete.

NOTE: Please be aware after time is complete, gas shocks will automatically release the platen into the “UP” position.

Switch Between Fahrenheit and Celsius

9. Switch Between F/C

9.1 Press the UP Arrow and “SET” button together and hold for 3 seconds to switch between Fahrenheit and Celsius. F/C indicator in display will show the result. (fig.9.1)

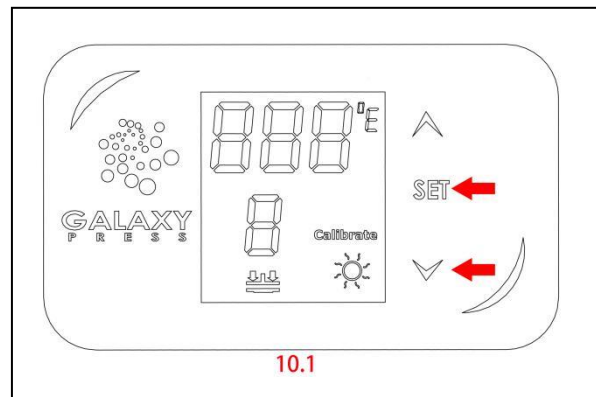


Temperature Calibration

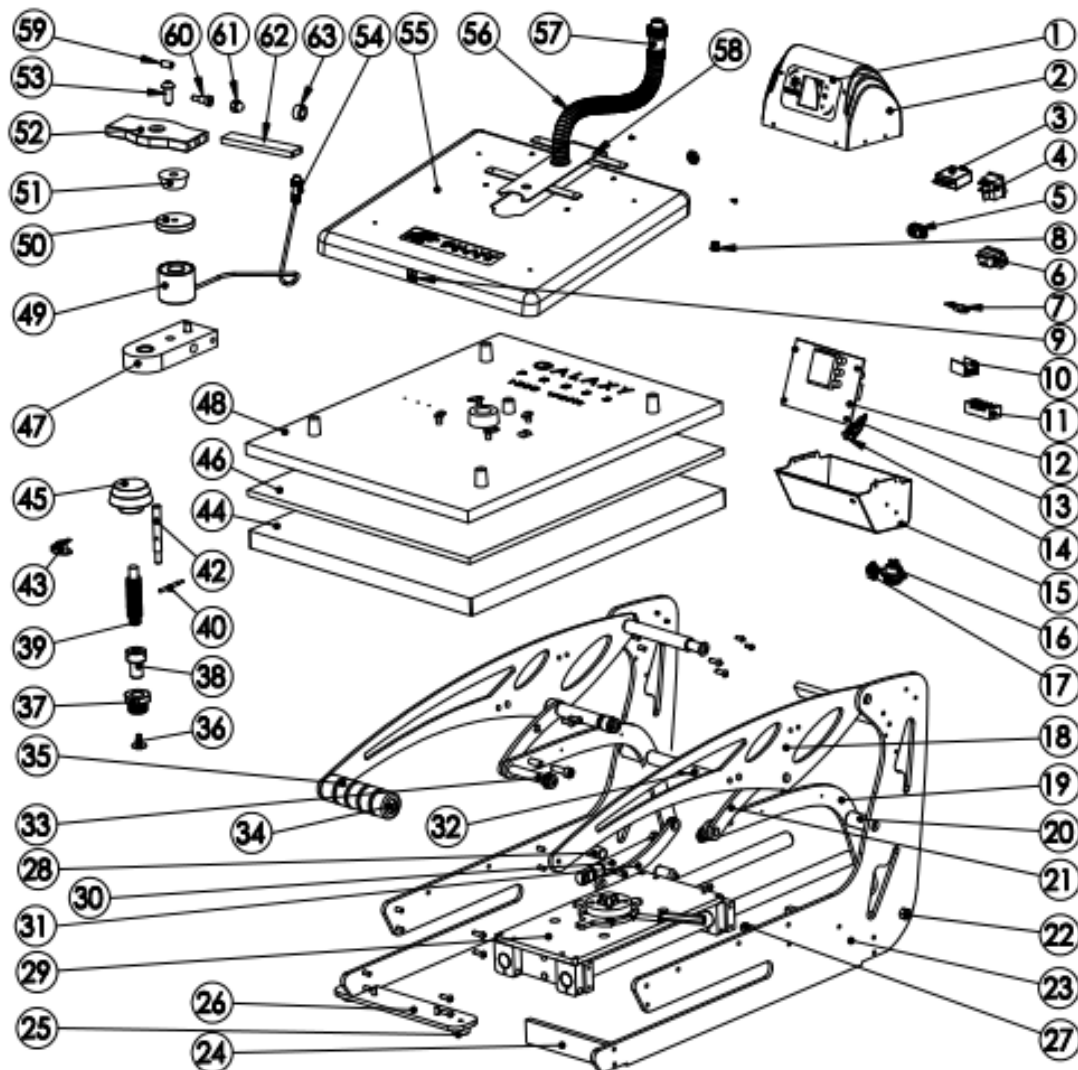
10. Temperature Calibration

10.1 Press the DOWN Arrow and “SET” button together and hold for 3 seconds, “Calibrate” lights located in the display will illuminate indicating you are in the adjust temperature calibration mode. (fig.10.1)

10.2 Press UP and Down Arrow to set correct temperature value. Press “SET” button to quit.

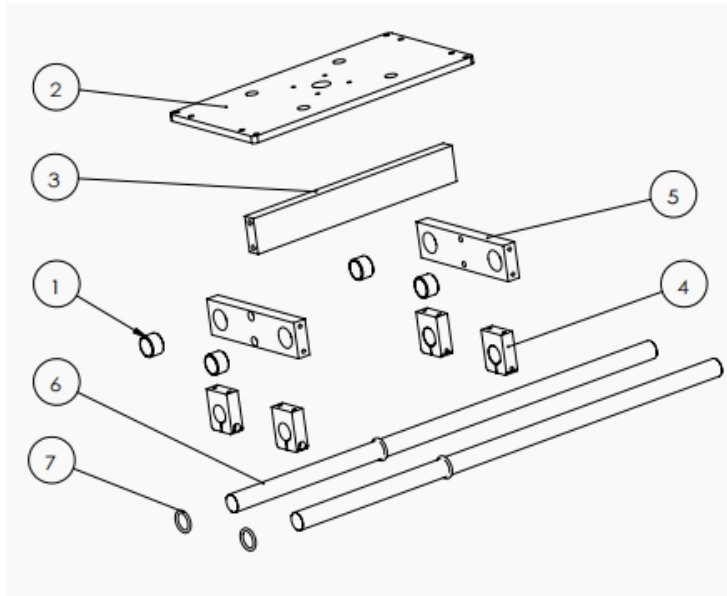


Exploded Views



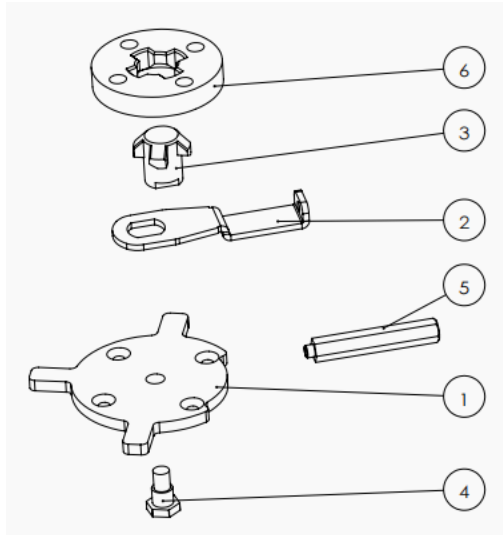
No.	Part Name	Part No.	Qty.
1	Display overlay	1600549	1
2	Control box top	1200446	1
3	Circuit breaker 18A	1800349	1
4	On/off switch	1800346	1
5	Emergency stop button	1200579	1
6	socket	1800344	1
7	Triac	1800586	1
10	Cooling sheet	1300672	1
11	Terminal Block	1800345	1
12	Circuit Board	1800353	1
13	Magnet switch	1801814	1
14	Magnet	1800609	1
15	Control box base	1200685	1

16	5 phase aviation plug (Female) with wires welded	1800955	1
17	2 phase aviation plug (Female) with wires welded	1800962	1
18	Machine handle	J.03.05.0568	2
19	Machine arm	1200409	2
20	Washer 20-13-15	2000296	2
21	Lift links	1200139	2
23	Machine body	1200397	2
24	Supporting block	1200043	3
25	Rubber foot	1800317	4
26	Machine foot	1200649	2
27	Stud 10-72.5 GC1-21B	1200051	1
28	Bridle links	1200218	2
29	Lower platen holding base	1200230	1
30	Gas spring 350N	1800055	2
31	Position block	1200264	2
32	Threaded Pin 13-164	1200050	1
33	Threaded Pin 12-89	1200074	1
34	Handle shaft	1200145	1
35	Foam Grip	1300155	1
36	Screw M8*16	1901071	1
37	Adjustment spindle base	1800142	1
39	Adjustment spindle	1800087	1
40	Thermocouple	1800281	1
42	Balance screw	1901074	1
43	Thermostat	1800133	1
44	Lower platen	1800388	1
45	Adjustment knob	1800479	1
46	Silicon pad	1200539	1
47	Platen holding block	1200042	1
48	Heat platen 16*20	1800386	1
49	Electromagnet 800N	1200981	1
50	Electromagnet holding sheet	1200067	1
51	Rubber foot	1200605	1
52	Holding sheet	J.03.05.0571	1
53	Holding sheet screw	1200659	1
55	Heat platen cover 16*20	1200450	1
56	PP tube	1800835	1
57	5 phase aviation plugs (Male) with wires welded	1800954	1
58	Heating plate cover connecting plate 16*20	J.03.05.0633	1
59	Elastic glass bead screw M8	J.03.06.0210	2
60	Step bolt M6-8*12	J.03.06.0092	2
61	Cap nut M8	J.03.06.0086	2
62	Brace plate	J.03.05.0572	1



Sliding System

No.	Part Name	Part No.	Qty.
1	Cooper bush	1200075	4
3	Sliding Lower Platen Base	1200426	1
4	Supporting Block	1200052	1
4	Bearing block	1200648	4
5	Plated bar fixed board	1200044	2
6	Plated bar	1701037	2
7	O shape washer	1200309	4



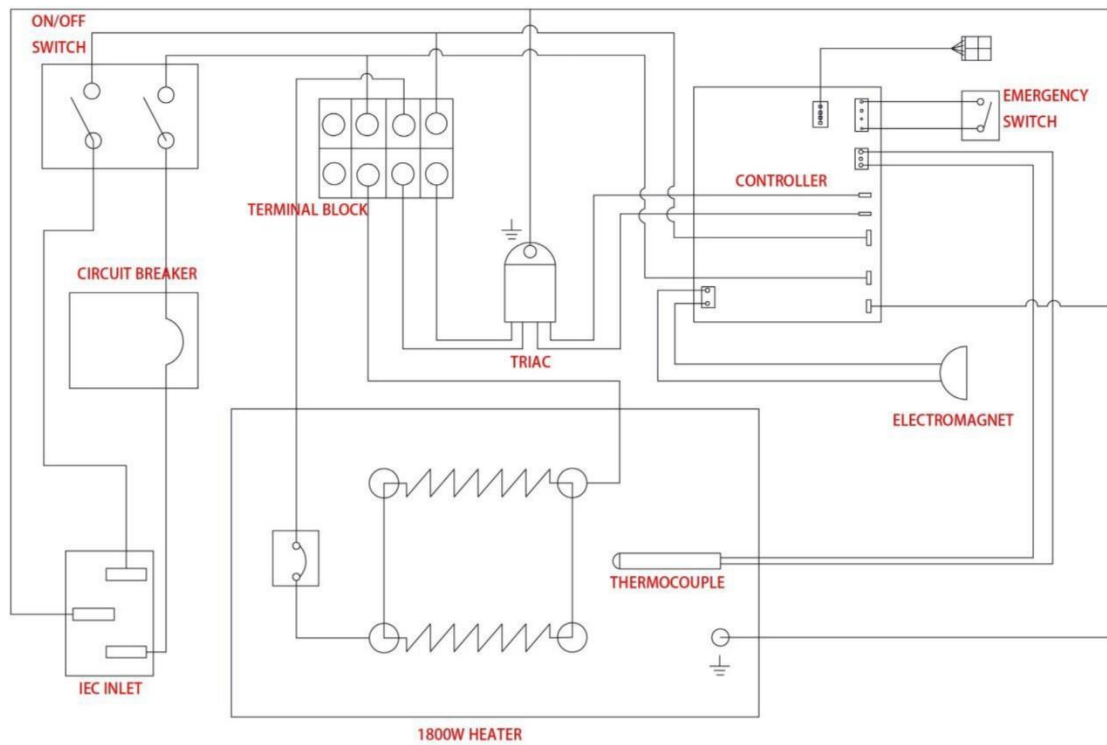
“RAMLOCK” System

No.	Part Name	Part No.	Qty.
1	Ramlock base	1200958	1
2	Ramlock locking sheet	1200960	1
3	Ramlock locking set (male)	1200961	1
4	Ramlock locking screw	1900959	1
5	Ramlock handle	1200956	1
6	Ramlock locking set (female)	1200957	1

Optional Platens (*Sold Separately)

Part Name (SKU)	Size
LTPPLATENSETRAM-0404	4in x 4in
LTPPLATENSETRAM-0610	6in x 10in
LTPPLATENSETRAM-0620	6in x 20in
LTPPLATENSETRAM-0810	8in x 10in
LTPPLATENSETRAM-1515	15in x 15in
LTPPLATENSETRAM-1115	11in x 15in

Electrical Schematic



110V VERSION