OtterUltra

OtterUltra

HEAT PRESS G1

USER MANUAL

OTTER'S STATEMENT

Congratulations on your purchase of the OtterUltra Heat Press G1 – engineered and manufactured by Otter to deliver precision temperature, pressure, and timing control for professional-grade transfers. Ideal for DTF, DTG, HTV, sublimation, heat transfer vinyl, and more.
Prior to use, basic precautions and common sense should always be followed and applied to safety instructions:

Voltage: 120/240V
Power: 1750W
Amp rating: 8/15A
Application: Use a heat press to serve the intended purposes.

SAFETY INSTRUCTIONS

Before using your heat press, thoroughly read the instruction manual.

1. Do not touch hot surfaces.
2. Keep out of reach of any children.
3. Do not leave the heat press unattended while in operation.
4. Never attempt to disassemble the heat press.
5. WARNING: Do not operate the heat press if visibly damaged.
6. WARNING: Ensure the power cord is not trapped or damaged when positioning the heat press.
7. Do not immerse the heat press in water.
8. Do not expose the heat press to rain or high moisture.
9. Keep the heat press away from fire or open flames.
10. Ensure the area around the heat press is free from flammable items.
11. Use the heat press only for its intended purpose.
12. Do not drop, impact, or puncture the heat press.
13. Let the heat press cool down completely before moving or storing it.
14. The use of accessory attachments not recommended by the manufacturer may cause injuries.
15. Take scheduled routine checks as recommended by the manufacturer.
16. Have any repairs done by a qualified and authorized technician only.

Electricity Safety

1. Avoid touching the power plug with wet hands to prevent electric shock.
2. Regularly check the power cord and plug for any signs of damage or wear.
3. Ensure proper grounding of the heat press in accordance with NEC to minimize the risk of fire and electric shock hazard.
4. Use the heat press in an environment where the power supply capacity is sufficient for the heat press to avoid malfunction and fuse jumper off.
5. Disconnect the power supply before any maintenance operations on the heat press.

KNOW THE HEAT PRESS

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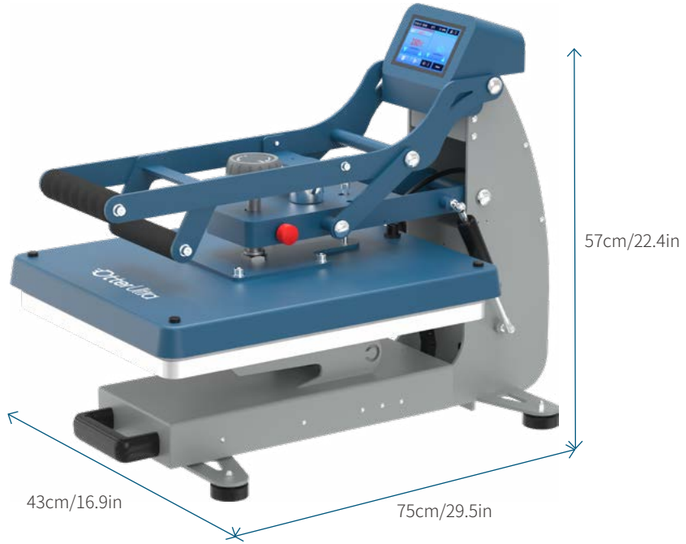


Item No.	OU-G14050MB
Heat Platen	40x50cm / 16x20in
Power	1750W MAX -3%
Voltage	240V / 120V 50~60Hz
Temp. Range	0-220°C (32-428 °F)
Time Range	0-999 seconds
Pressure Level	Level 0-7
Net Weight	56.7 KG / 125 lb
Dimension	74.8*43.14*56.9cm/ 29.4*16.9*22.4in
Warranty	Framework - 2 Years Heating Platen - 10 Years

HOW TO TURN YOUR HEAT PRESS ON AND OFF ?

Plug in the power cord and turn on the heat press.

NOTE: After an hour of inactivity, the heat press will display an "E05" error code, which means switching to standby mode and stopping heating.

Touch the screen to exit the standby mode.

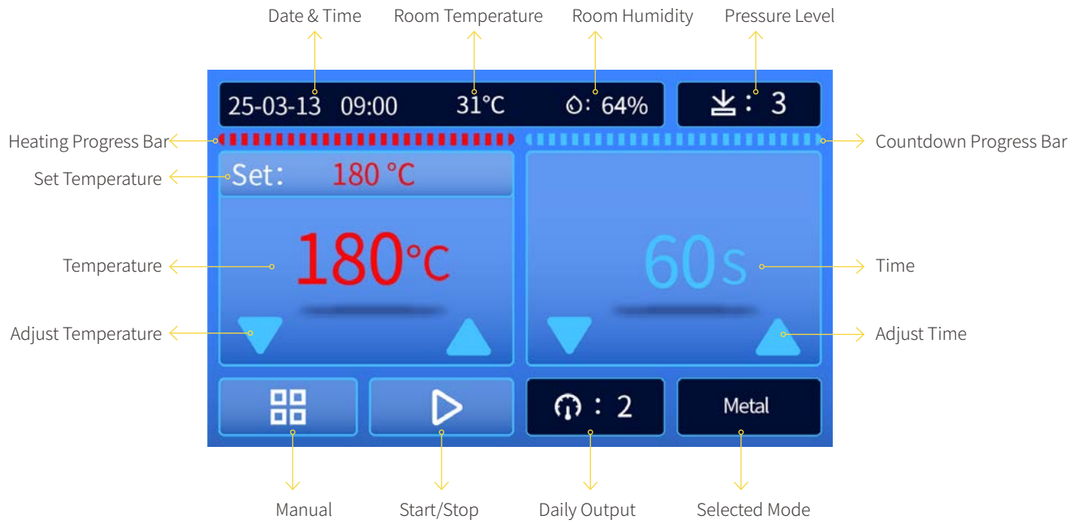
HOW TO PRINT?

1. Lower the handle to begin the countdown; the platen will lift automatically when the preset time up.

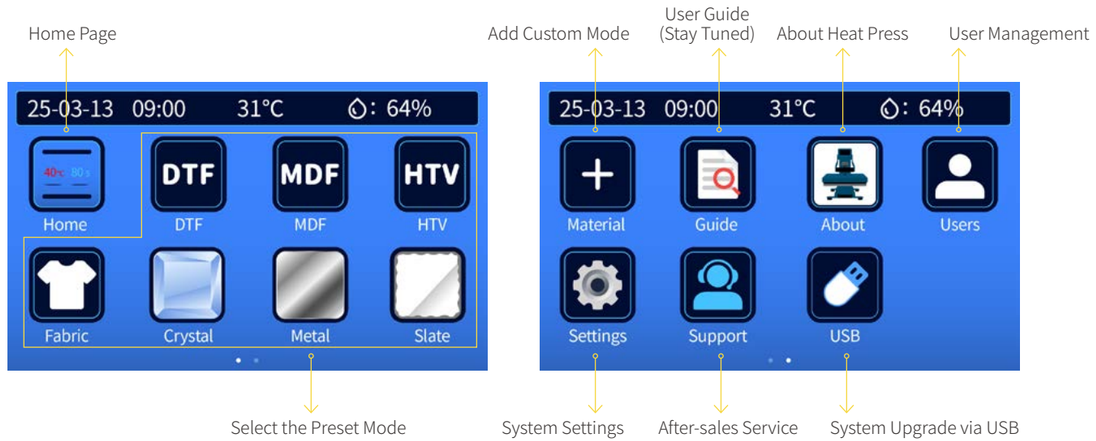
2. Tap "Start/Stop" during the process to cancel the current print.

3. Press the Emergency Stop button to immediately halt printing and lift the platen.

KNOW THE CONTROL PANEL



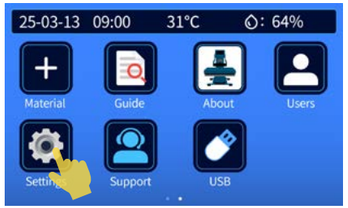
KNOW THE CONTROL PANEL



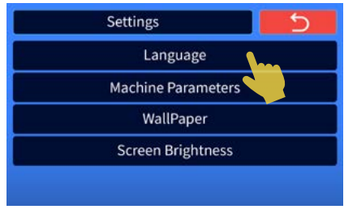
NOTE: Swipe to see more options.

HOW TO USE THE CONTROL PANEL?

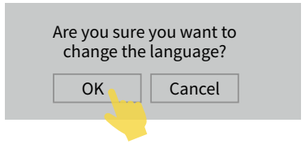
1. System Language Switching



1. Tap the "Settings".

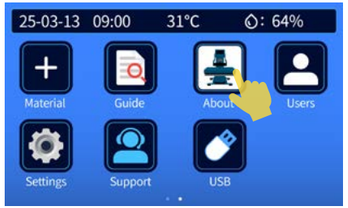


2. Select "Language", then choose your preferred language.

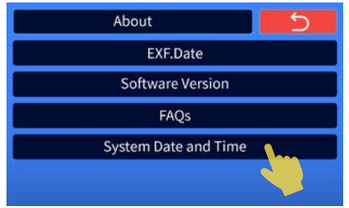


3. Tap "OK", the system will restart to apply changes.

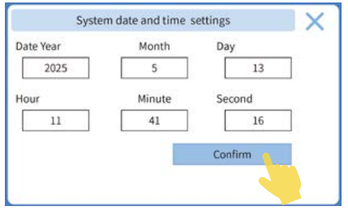
2. Date & Time Settings



1. Tap "About".



2. Select "System Date and Time".

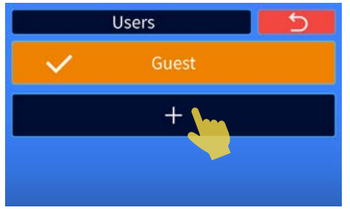


3. Enter values and confirm with "Confirm".

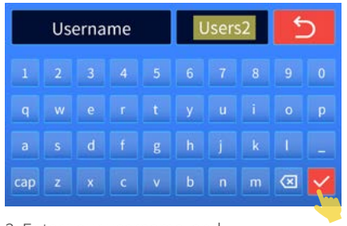
HOW TO USE THE CONTROL PANEL?

3.User Management

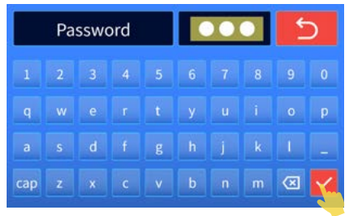
1. Tap " " to access users.



2. Tap " + " to add new user.

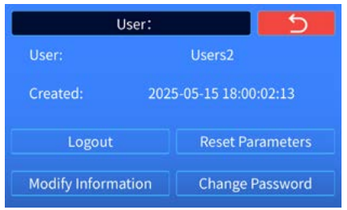


3. Enter your username, and tap " ✓ " to continue.



4. Set password, and tap " ✓ " to save.

5. To switch users: Select user → Enter password → Tap " ✓ ".



6. Long-press a username for 3 secs and enter the password to edit user details or delete user.

HOW TO USE THE CONTROL PANEL?

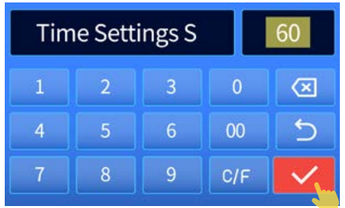
4. Temperature and Time Setting

1. Tap the temperature to enter the temperature setting mode.

2. Tap " C/F " to switch temperature unit.

3. Enter value, then tap " ✓ " to save the settings.

4. Tap the time to enter the time setting mode.



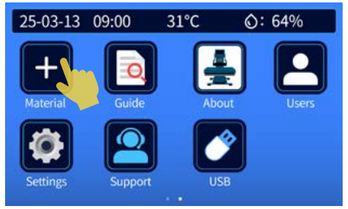
5. Enter value, then tap " ✓ " to save the settings.

6. Tap " ▼ " and " ▲ " to adjust the value.

HOW TO USE THE CONTROL PANEL?

5. Preset Modes

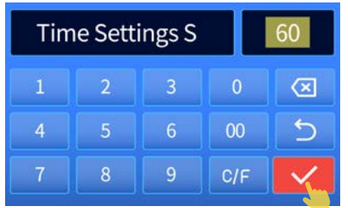
1. Choose a preset mode to start your project quickly.



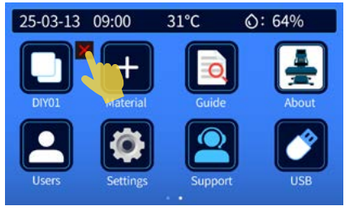
2. Tap " + " to create a custom preset.

3. Name your custom preset.

4. Set the temperature, then tap " ✓ " to continue.



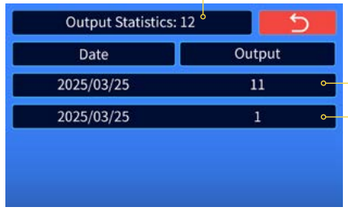
5. Set the time, then tap " ✓ " to save your preset.



6. To delete a custom preset, press and hold the mode icon for 3 seconds until a " ✕ " appears, then tap it.

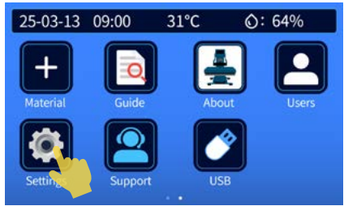
HOW TO USE THE CONTROL PANEL?

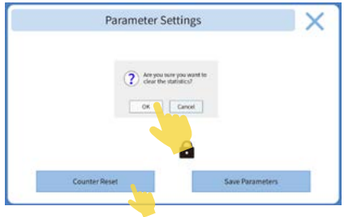
6. Log Output



NOTE:
1. Output totals include all users' production data.
2. 30 days of output data can be recorded.

1. Tap " " icon, and you can easily view daily output.





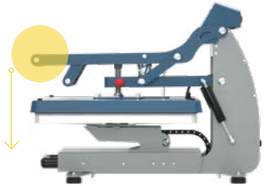
2. Tap "Machine Parameters", then tap "Counter Reset", and tap "OK", you can reset the counter.

HOW TO USE THE CONTROL PANEL?

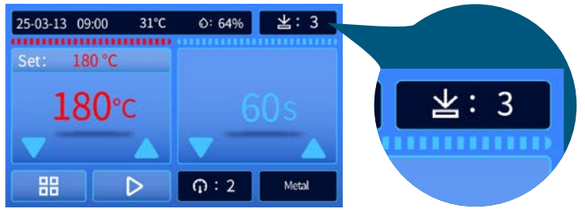
7. How to adjust the pressure?

1. Power on the heat press, then place the substrate on the lower platen.

2. Turn the pressure adjustment knob to your desired setting.



3. Press down the handle to test the pressure.

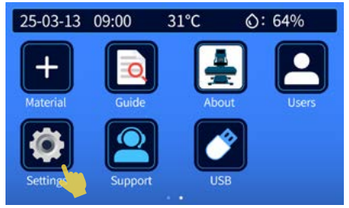


4. The current pressure level (1–7) will display on the screen; If the pressure exceeds level 7, the display will show "--".

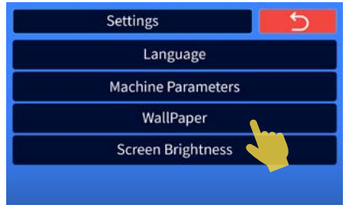
: 1 2 3 4 5 6 7 --

5. If the pressure isn't right, press the "Start/Stop" button to release the magnet and readjust.

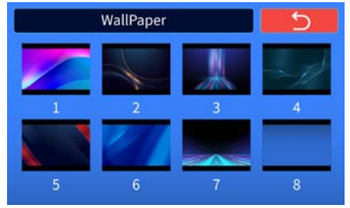
8. Change the Wallpaper



1. Tap "Settings" to enter the setting page.

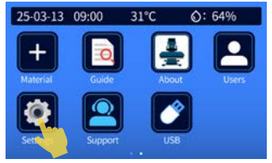


2. Tap "Wallpaper".



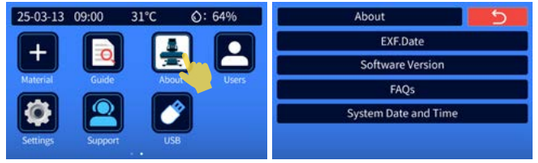
3. Select your favorite wallpaper, then tap "".

9. More Settings



Screen brightness, volume, beep alerts, temperature/humidity display and factory settings, all available in the "Settings" menu.

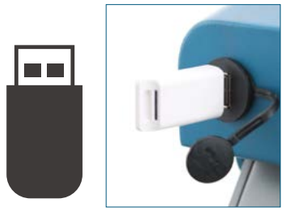
10. About Heat Press



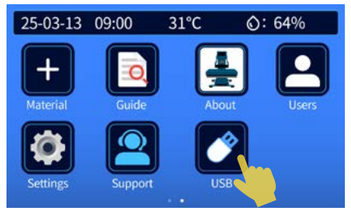
Check EXF. date, system version, FAQ and more in the "About" menu.

HOW TO USE THE CONTROL PANEL?

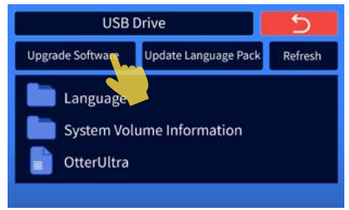
11. System Update Instructions



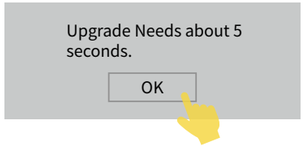
1. Ensure the USB drive format is FAT32, copy the upgraded file to the root directory of the USB drive, then insert the USB drive into the heat press.

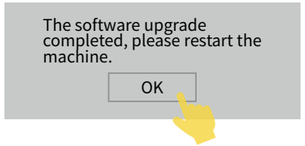


2. Tap "USB" icon on the screen.



2. Select "Upgrade Software" to update system.





3. Tap "OK" , then restart the heat press, the update is complete.

Note:
1. The update will not erase any user data or settings.
2. If the heat press doesn't recognize the USB file, try tapping "Refresh" or exiting and reopening the page.

HOW TO PRINT A DTF TRANSFER T-SHIRT?

1 Power on the heat press.

2 Slide out the lower platen.

3 Load your T-shirt flat on the platen, smoothing out any wrinkles.

4 Adjust the pressure knob to test the best pressure for your T-shirt.

6 Select the DTF preset mode and wait for the platen to heat up.

6 Position and place the DTF transfer on the T-shirt. Cover the T-shirt with butcher paper to protect it.

7 Once the preset temp reached, press down the handle, the heat press will start an automatic countdown.

8 When the preset time's up, the heat press will beep and lift the platen.

9 Carefully peel off the transfer carrier film as it cools.

10 Enjoy your work.

Safety Instructions

1. Do not touch the heating platen as the machine is heating or still hot.
2. This machine is not intended for use by children.

Printing Parameters for Sublimation

Product					
Product Name	Polyester Fabric	MDF Panel	Crystal	Photo Slate	Aluminum Wind Spinner
Preset Mode	 Fabric	 MDF	 Crystal	 Slate	 Metal
Reference Pressure Level	4	5	5	4	4
Temperature	180°C /356 °F	180°C /356 °F	190°C /374 °F	190°C /374 °F	180°C /356 °F
Time	60s	120s	Preheat back side：120s Print side up: 240s	480s Print side down	60s

NOTE：

1. Excluding preheat time.
2. The parameters may vary depending on factors like different printed design, paper quality, substrate type, weather conditions, and more.
3. The above modes apply to default settings only.

Printing Parameters for Sublimation

Product				
Product Name	Glass Frame	Acrylic Frame	Pickleball Paddle	Ceramic Ornament
Preset Mode	/	/	/	/
Reference Pressure Level	4	4	5	2
Temperature	180°C /356° F	180°C /356° F	180°C /356° F	180°C /356° F
Time	280s Print side down	80s	120s	180s

NOTE：

1. Note: Pressure levels are for reference only. Always test with your specific material thickness and hardness before printing.

Printing Parameters for Other Techniques

	
DTF Transfer	HTV
 DTF	 HTV
3	3
160°C /320° F	160°C /320° F
15s	15s

Default Preset Modes

	DTF	MDF	HTV	Fabric	Crystal	Metal	Slate
Temperature	160°C /320 °F	180°C /356 °F	160°C /320 °F	180°C /356 °F	190°C /374 °F	180°C /356 °F	190°C /374 °F
Time	15s	120s	15s	60s	240s	60s	480s

Note: Any changes you make to a preset mode on the homepage will automatically save and overwrite the previous settings.

DTF FAQS

The DTF transfer is not adhering to the fabric.	Increase the pressure applied during heat pressing.
The DTF transfer shows signs of oil.	Reheat the transfer in the oven for 6 minutes.
The corners of the DTF transfer lift after peeling the film.	Allow the transfer to cool completely before removing the film.
The cured DTF transfer appears yellow.	This is caused by overheating. Reduce the curing time accordingly.
The back of the cured DTF transfer feels rough.	Extend the curing time to achieve a smoother finish.
The DTF transfer wrinkles on the fabric after printing.	The fabric may be shrinking. Preheat the fabric for 15 seconds before printing.

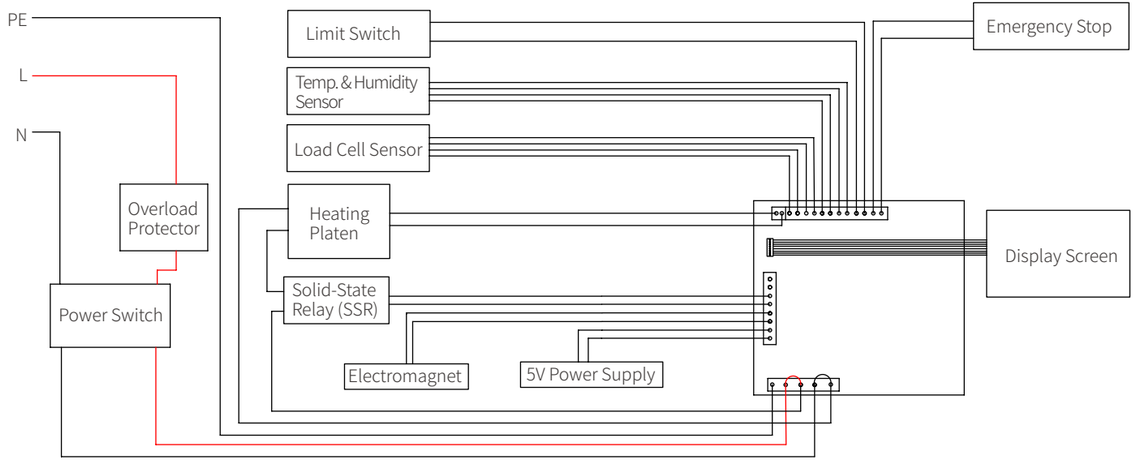
Sublimation FAQS

Color is faded.	The heat is insufficient, uneven pressure, or short processing time.
Printed pattern is blurry.	Excessive time causes ink to bleed.
Printed pattern is partial blurry.	Uneven heat distribution.
Color inconsistency.	Uneven pressure or uneven substrate surface.
Paper sticking to substrate.	Excessive pressure or poor-quality coating.

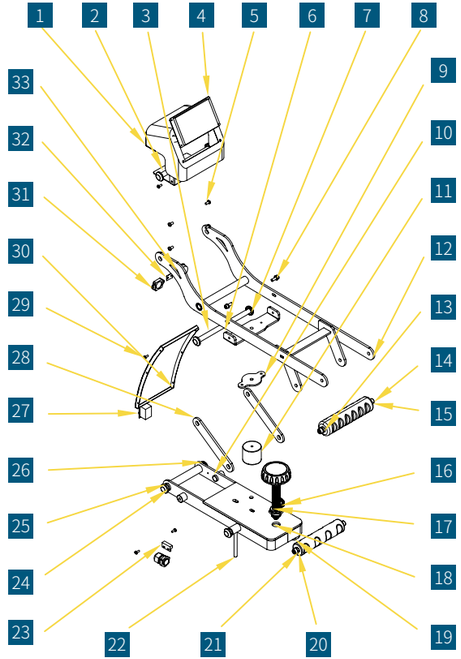
Error Codes

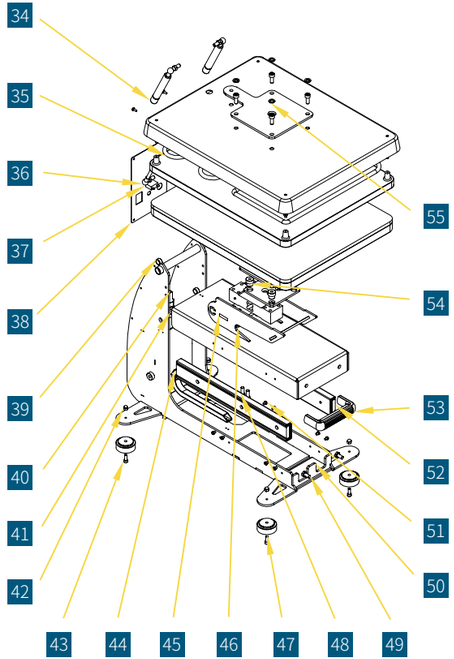
E01	Temperature probe sensor issue: poor connection with the aviation connector or damage to the probe.
E02	Heating platen issue: After 5 minutes of power-on, if the temperature change is less than 40° C/104° F, there may be a fault.
E03	Electromagnet issue: Disconnected or damaged wiring.
E04	Strain gauge issue: Disconnected or damaged wiring.
E05	Hibernation mode: If no operation is detected for 1 hour, the system will automatically enter hibernation and stop heating.

Electrical Schematic



Parts Location Guide





1 Control Box
2 Pin Shaft
3 Pin Shaft
4 Display Screen
5 Socket Headed Cap Screw (M5X10)
6 Electromagnet Limit Block
7 Rivet
8 Gasket (M6)
9 Electromagnet Suction Block
10 Fastener
11 Electromagnet
12 Handle Frame
13 Core Shaft
14 Socket Headed Cap Screw (M8X16)
15 Foam Handle
16 Sleeve
17 Screw Knob
18 Support Board
19 Emergency Stop
20 Core Shaft
21 Foam Handle
22 Socket Headed Cap Screw (M8X80)
23 Magnetic Switch
24 Sleeve
25 Pin Shaft
26 Rivet
27 Power Switch
28 Connection Piece
29 Socket Headed Cap Screw (M5X10)
30 Cover
31 Loudspeaker
32 Temperature Measurement Module
33 Plugable USB Cable
34 Gas Strut
35 Lower Platen
36 Gas Strut
37 Overcurrent Protector
38 Switch Panel Cover
39 Needle Roller Bearing
40 Solid-State Relay (SSR)
41 Connector
42 Ball Nut
43 Socket Headed Cap Screw (M6X16)
44 Chain
45 Lower Platen Base
46 M5X8-N
47 Feet
48 Socket Headed Cap Screw (M8X20)
49 Socket Headed Cap Screw (M8X16)
50 Machine Frame
51 Pan Head Self-tapping Screw (M5X6)
52 Rail
53 Handle
54 Load Cell Sensor
55 Mouting Plate