





# AIR PRESS SLIDE PRO DUAL STATION HEAT PRESS



USER MANUAL

# OTTER'S STATEMENT

Congratulations on your purchase of the Air Press Slide Pro Dual Station Heat Press – 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:

**Application:** Use a heat press to serve the intended purposes.

# SAFETY INSTRUCTIONS

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

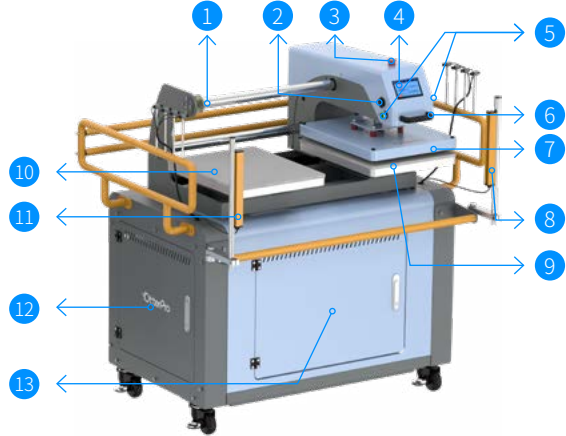
1. Do not touch hot surfaces.
2. Keep out of reach of any children.
3. Do not leave the heat press unattended while in operation.
4. Never attempt to disassemble the heat press.
5. WARNING: Do not operate the heat press if visibly damaged.
6. WARNING: Ensure the power cord is not trapped or damaged when 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.



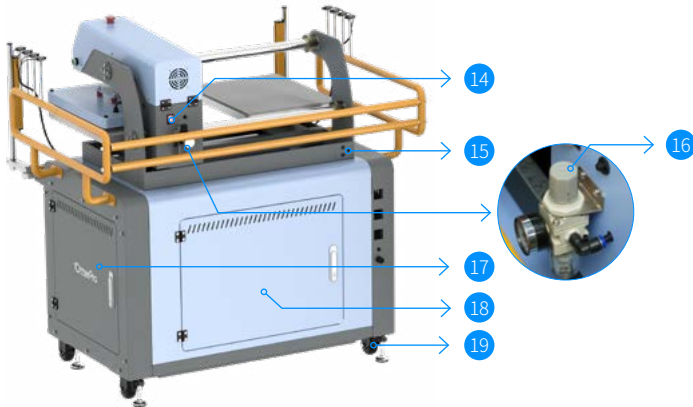
## Electricity Safety

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.

# AIR PRESS DUAL-STATION HEAT PRESS

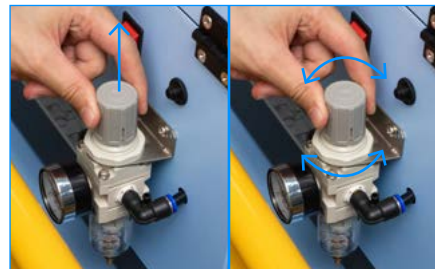


- |                         |                          |                          |
|-------------------------|--------------------------|--------------------------|
| 1 Sliding Rail          | 8 Safety Light Curtain   | 14 Power Switch          |
| 2 USB Support Port      | 9 Silicone Pad 2         | 15 Air Intake Port       |
| 3 Emergency Stop        | 10 Silicone Pad 1        | 16 Pressure Regulator    |
| 4 Digital Control Meter | 11 Safety Light Curtain  | 17 Right Inspection Door |
| 5 Start/Stop            | 12 Left Inspection Door  | 18 Back Inspection Door  |
| 6 Handle                | 13 Front Inspection Door | 19 Leveling Caster       |
| 7 Heating Platen        |                          |                          |



|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Heat Platen        | 40x50cm / 16x20in                                   |
| Power              | 3150W / 2550W MAX(±5%)<br>(Air Compressor Included) |
| Max. Input Current | 13/20A                                              |
| Voltage            | 220V / 110V 50~60Hz                                 |
| Temp. Range        | 0-250°C (32-482 °F )                                |
| Time Range         | 0-999 seconds                                       |
| Dimension          | 138.5*101*136cm/<br>54.5*39.8*53.5in                |

## HOW TO ADJUST THE PRESSURE?



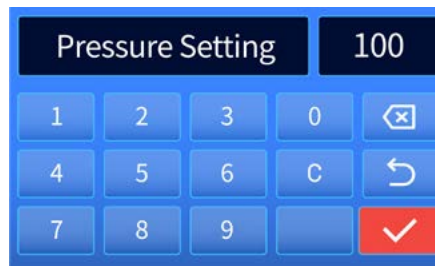
- 1 Pull up on the knob and turn clockwise to maximize pressure.



- 2 Once you've finished adjusting, press the knob back down.



- 3 Set pressure for both platens.



- 4 Enter the required pressure, then tap "✓".

**NOTE:** Readjust the pressure for substrates made of different materials.



- 5 Press both "Start/Stop" buttons at the same time to release gas from the heat press.



- 6 Check the pressure gauge; if the pressure drops, readjust it to your desired level. If it remains stable, no adjustment is needed. Your settings are now complete.

## HOW TO TURN YOUR HEAT PRESS ON AND OFF?



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

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



Touch the screen to exit the standby mode.

## HOW TO PRINT?



### 1. Start/Stop Button

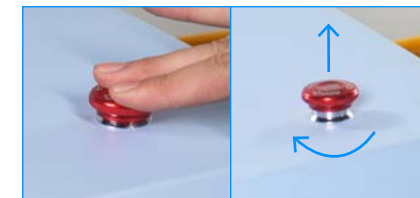
1. Press both "Start/Stop" buttons simultaneously to begin the countdown.

**NOTE:**

Tap the "▶" button to start printing as well.



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



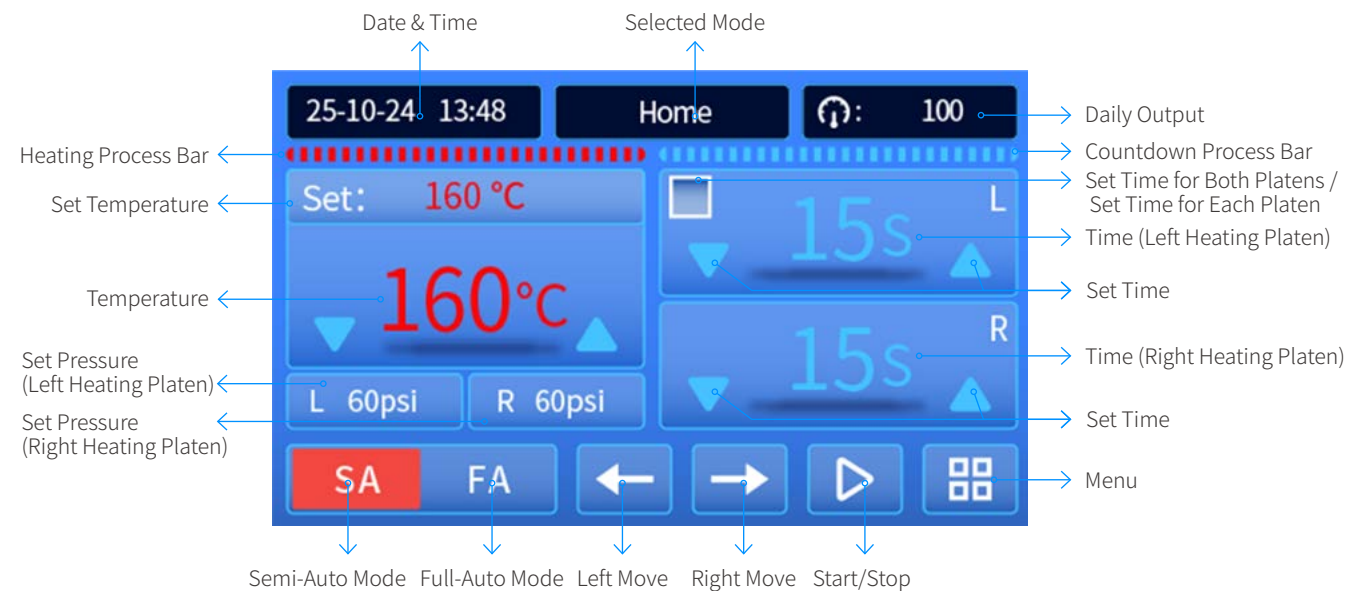
### 2. Emergency Stop

1. Press the "Emergency Stop" button to halt the heat press.
2. Turn clockwise and pull the knob up to release the stop command.

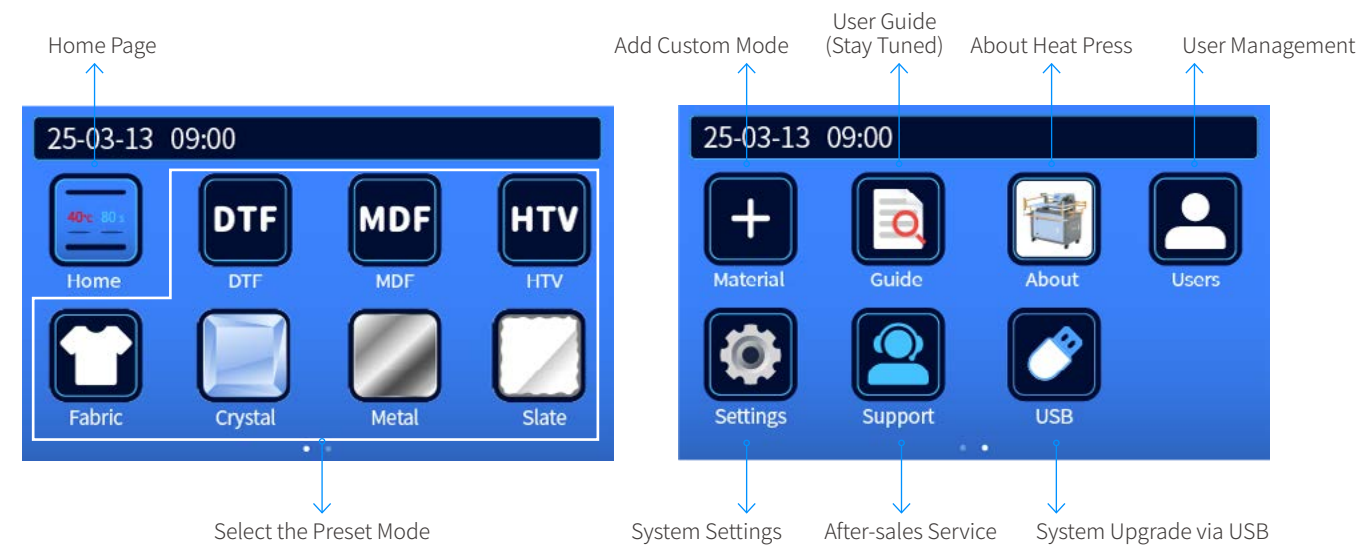
**NOTE:**

To return the upper platen to its original position after an emergency stop, press the "←" button on the control panel.

## KNOW THE CONTROL PANEL



## KNOW THE CONTROL PANEL



NOTE: Swipe to see more options.



## HOW TO USE FULL/SEMI-AUTO MODES?

### 1. Full-Auto Mode



1. Switch to Full-Auto Mode: Tap FA to activate full-auto mode.



2. In this mode, press both green buttons once, the heating platen will automatically move and start printing.

#### NOTE:

The safety light curtain remains active in this mode. If an object or person is detected in the sensing zone, the heat press will pause immediately. To resume operation, clear the sensing zone, and the heat press will continue working automatically.

### 2. Semi-Auto Mode



1. Switch to Semi-Auto Mode: Tap SA to activate semi-auto mode.



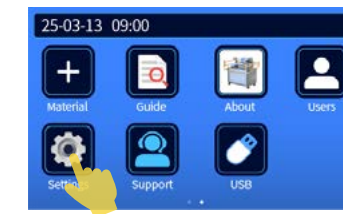
2. In this mode, you'll need to press both green buttons for each print job.

#### NOTE:

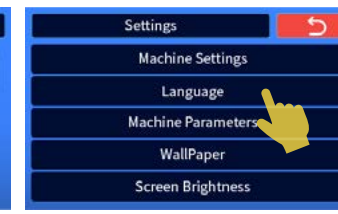
The light curtain is disabled in semi-auto mode.

## HOW TO USE THE CONTROL PANEL?

### 1. System Language Switching



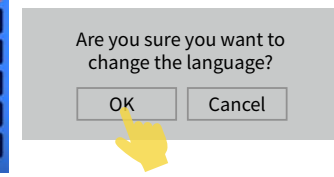
1. Tap the "Settings".



2. Select "Language"

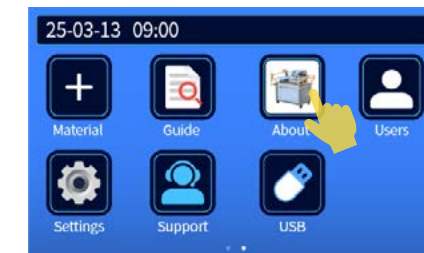


3. Choose your preferred language.

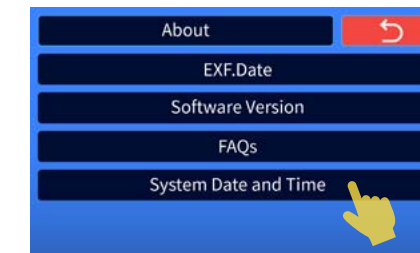


4. Tap "OK", the system will restart to apply changes.

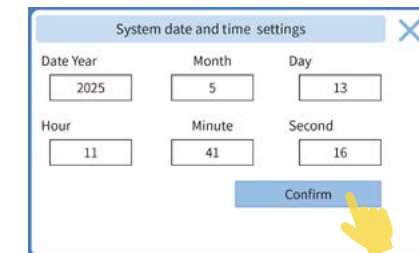
### 2. Date & Time Settings



1. Tap "About".



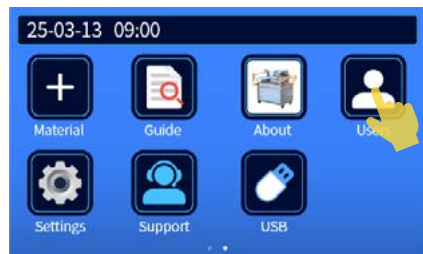
2. Select "System Date and Time".



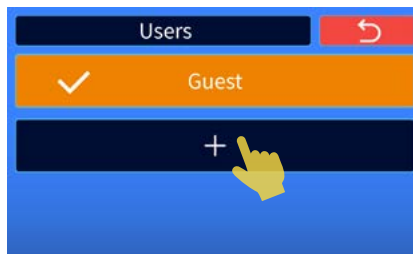
3. Enter values and confirm with "Confirm".

## HOW TO USE THE CONTROL PANEL?

### 3. User Management



1. Tap "  " to access users.



2. Tap " + " to add new user.



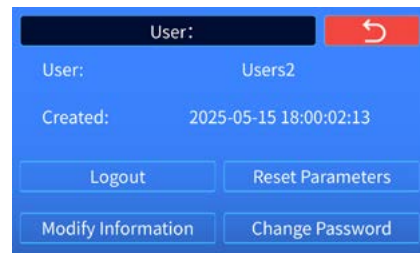
3. Enter your username, and tap "  " to continue.



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. Set Pressure



1. Set pressure for both platens.



2. Tap "✓" to save your settings.

### 6. Set Time for Both Stations



1. Press the select box on the top right to switch to time setting mode.

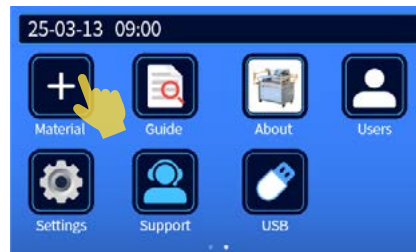


2. It's ready to set time for both stations.

### 7. Preset Modes



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



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



3. Name your custom preset.

## HOW TO USE THE CONTROL PANEL?



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

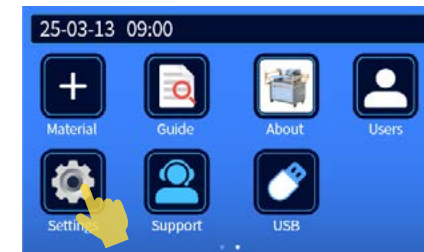


5. Set the time, then tap "✓" to save your preset.



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

### 8. Working Speed/Movement Delay



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



2. Tap "Machine Settings".

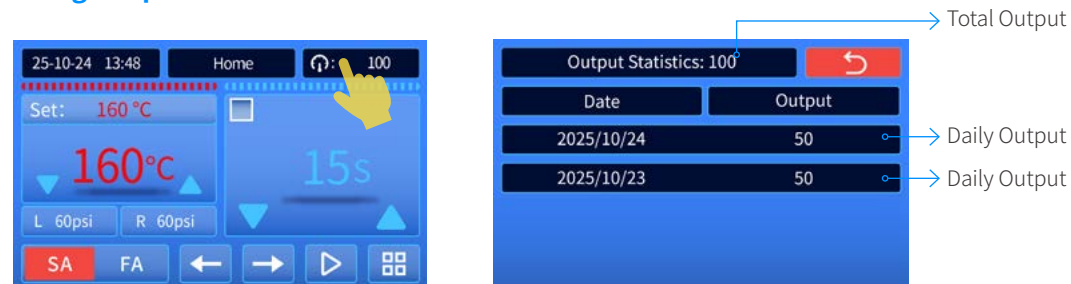


3. Use this page to adjust the upper platen's speed and movement delay. Enter your values and tap "✓" to save.

**NOTE:** Image shows default values.

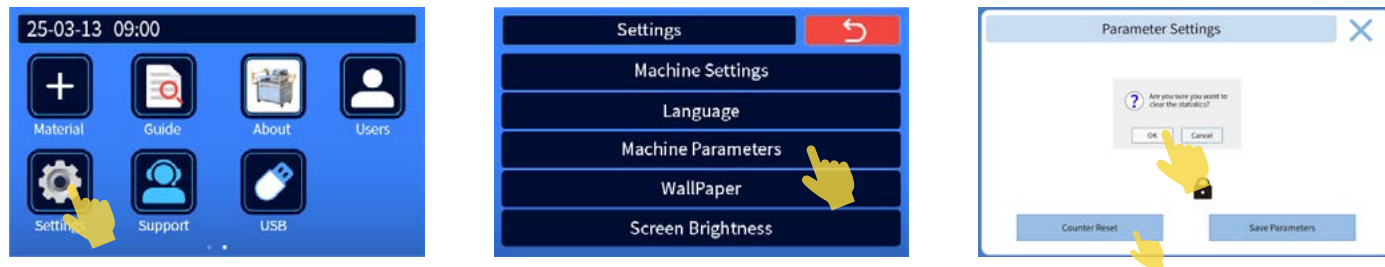
## HOW TO USE THE CONTROL PANEL?

### 9. Log Output



NOTE:  
Output totals include all  
users' production data.

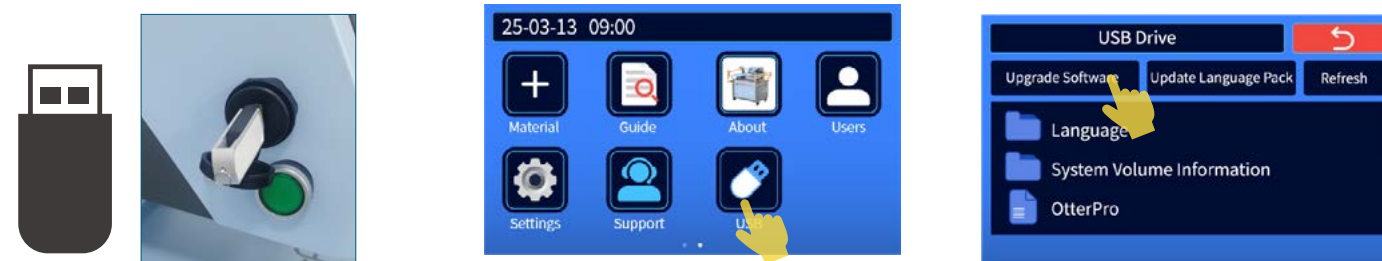
1. Tap "🔄" icon, and you can easily view daily output.



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

## HOW TO USE THE CONTROL PANEL?

### 10. 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.

3. Select "Upgrade Software" to update system.

Upgrade Needs about 5 seconds.

OK

The software upgrade completed, please restart the machine.

OK

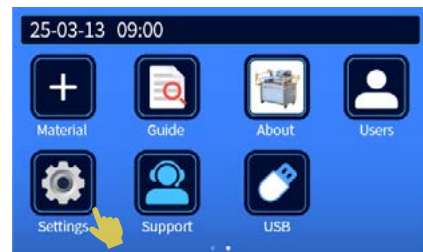
4. Tap "OK", then restart the heat press, the update is complete.

Note:

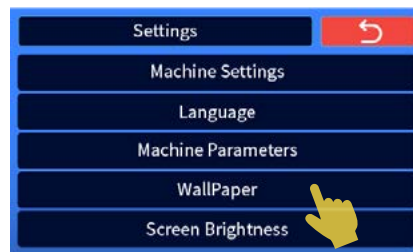
1. The update will not erase any user data or settings.
2. If the heat press doesn't recognize the USB file, try tapping "Refresh" or exiting and reopening the page.

## HOW TO USE THE CONTROL PANEL?

### 11. Change the Wallpaper



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

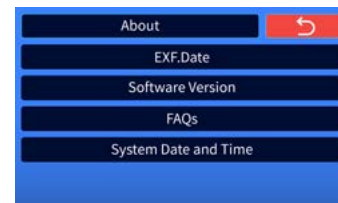
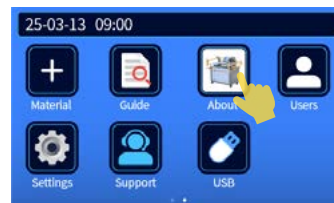
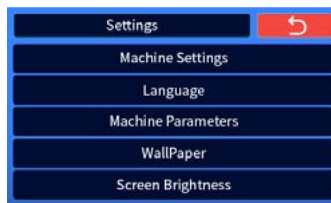
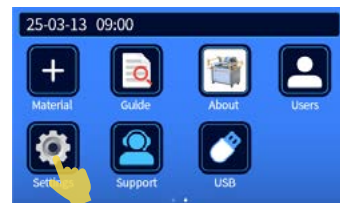


2. Tap "Wallpaper".



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

### 12. More Settings & About Heat Press



Screen brightness, volume, beep alerts, temperature/humidity display and factory settings, all available in the "Settings" menu. Check EXF. date, system version, FAQ and more in the "About" menu.

## AUXILIARY FUNCTION

### 1. How to Adjust the Angle of the Infrared Beam?



1. By rotating the infrared head, you can adjust the position of infrared beam.

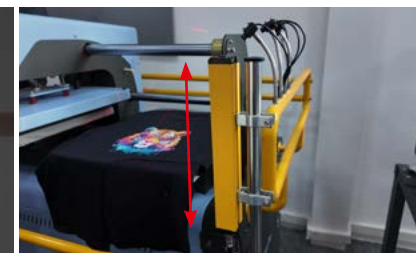


2. Rotate the knob to adjust the direction of infrared beam.



3. Adjust all four infrared beams to optimal positions for quick and precise alignment, maximizing efficiency.

### 2. Safety Light Curtains



#### NOTE:

1. Turn off the safety light curtain in the settings menu.
2. While the light curtain system controls movement and pressing, wait for the countdown to begin before preparing the next t-shirt at the available station.
3. The sensing zone is between the two light curtains.

The safety light curtain remains active in full auto mode. If an object or a person is detected in the sensing zone, the heat press will pause immediately. To resume operation, clear the sensing zone, and the heat press will continue working automatically. The position of the light curtain can be adjusted according to the working height.

## HOW TO USE FULL-AUTO MODE?



- 1 Tap FA to activate full-auto mode.



- 2 Load the t-shirt flat on the silicone pad.



- 3 Position the DTF film on the t-shirt, then cover it with another piece of butcher paper.



- 4 Adjust the pressure based on the material.



- 5 Set your desired parameters (or select a preset mode).

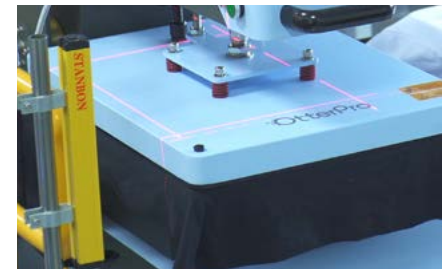


- 6 Once the set temperature is reached, press both green buttons simultaneously to start printing.

## HOW TO USE FULL-AUTO MODE?



- 7 While one station is pressing, prepare the next t-shirt at the available station.



- 8 Once printing is complete and the second station is ready, just step out of the light curtain sensing zone. The platen will automatically lift, move, and press the next shirt.



- 9 Take out the printed t-shirt and enjoy your creation! Repeat these steps to print in batches.



### 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.
3. If the upper platen moves too quickly in full-auto mode, leaving you little time to prepare the next shirt, try increasing the delay time or slowing down the platen speed.

## HOW TO USE SEMI-AUTO MODE?



- 1 Tap SA to activate semi-auto mode.



- 2 Load the t-shirt flat on the silicone pad.



- 3 Position the DTF film on the t-shirt, then cover it with another piece of butcher paper.



- 4 Adjust the pressure based on the material.



- 5 Set your desired parameters (or select a preset mode).



- 6 Once the set temperature is reached, press both green buttons simultaneously to start printing.

## HOW TO USE SEMI-AUTO MODE?



- 7 While one station is pressing, prepare the next t-shirt at the available station.



- 8 Once printing is complete and the other station is ready, press both green buttons simultaneously, it will automatically move and press.



- 9 Take out the printed t-shirt and enjoy your creation! Repeat these steps to print in batches.



### 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.

## KNOW THE AIR COMPRESSOR (AIR COMPRESSOR INCLUDED)



- |                  |                 |                      |                   |
|------------------|-----------------|----------------------|-------------------|
| 1 Turn On/Off    | 4 Silencer      | 7 Pressure Regulator | 10 Safety Valve   |
| 2 Pressure Gauge | 5 Motor         | 8 Quick Connect      | 11 Solenoid Valve |
| 3 Drain Hole     | 6 Pressure Knob | 9 Filter             |                   |



|                   |                      |
|-------------------|----------------------|
| Capacity          | 30L                  |
| Power             | 550W                 |
| Max. Pressure     | 0.8mpa               |
| Air Flow Capacity | 100L/min             |
| Voltage           | 220V/110V, 50Hz~60Hz |

## HOW TO USE THE AIR COMPRESSOR?



- 1 Pull up the knob to turn on the air compressor.



- 2 The air compressor will automatically draw air to about 8 kPa, at which point it will stop.



- 3 Pull the knob up to set the parameters. Turn the knob clockwise to increase the pressure or counterclockwise to decrease it.



- 4 Once you've finished adjusting, press the knob back down.

- NOTE:**
1. For optimal performance, adjust the pressure to its highest value.
  2. Turn off the air compressor's power and close the air outlet valve before making any connections.

## HOW TO MAINTAIN AIR COMPRESSOR?

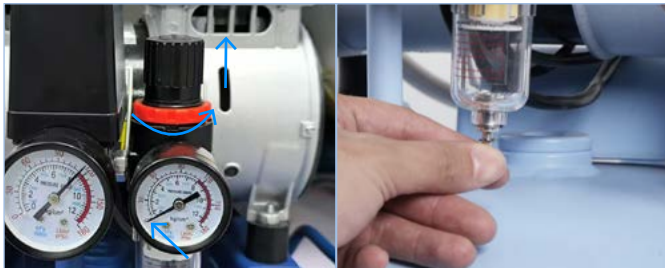
Please turn off the air compressor before performing maintenance.

### 1. How to maintain the filter?



- 1 Turn the silencer, then remove the cap.
- 2 Clean the filter element if it's dirty. NOTE: Replace the filter element after 3000 hours of use.

### 3. How to drain water out of the water trap?



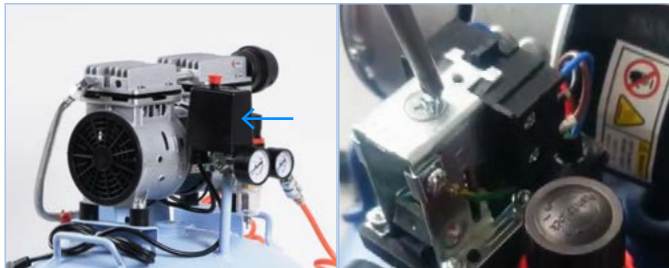
- 1 Pull up the knob and rotate it counterclockwise to set the pressure to the minimum.
- 2 Press the water trap upward to drain water manually.

### 2. How to drain water?



- 1 Unscrew the drain valve to release the water.
- 2 It's recommended to drain water weekly and ensure the pressure is below 0.1 MPa.

### 4. Safety Valve



- 1 When the safety valve sounds and releases air pressure, check the air pressure switch to ensure the working pressure is within the rated limit and does not exceed the maximum operating pressure.

## Printing Parameters for Other Techniques

|                |                                                                                     |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product        |  |  |
| Product Name   | DTF Transfer                                                                        | HTV                                                                                 |
| Temperature    | 160°C /320° F                                                                       | 160°C /320° F                                                                       |
| Time           | 15s                                                                                 | 15s                                                                                 |
| Pressure (MPa) | 0.4MPa                                                                              | 0.4MPa                                                                              |

## Printing Parameters for Sublimation

|                |                                                                                     |                                                                                     |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product        |  |  |  |
| Product Name   | Glass Frame                                                                         | Cutting Board                                                                       | Acrylic Frame                                                                       |
| Temperature    | 180°C /356° F                                                                       | 180°C /356° F                                                                       | 180°C /356° F                                                                       |
| Time           | Print side down:<br>280s                                                            | 120s                                                                                | 80s                                                                                 |
| Pressure (MPa) | 0.3MPa                                                                              | 0.3MPa                                                                              | 0.4MPa                                                                              |

## 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 return.                  | 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. |

Printing Parameters for Sublimation

|                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Product        |  |  |  |  |  |  |  |
| Product Name   | Polyester Fabric                                                                  | Crystal                                                                           | Ceramic Ornament                                                                  | Photo Slate                                                                       | Gift Box                                                                           | Ceramic Tile                                                                        | Aluminum Ornament                                                                   |
| Temperature    | 180°C /356 °F                                                                     | 180°C /356 °F                                                                     | 180°C /356 °F                                                                     | 180°C /356 °F                                                                     | 180°C /356° F                                                                      | 180°C /356° F                                                                       | 180°C /356° F                                                                       |
| Time           | 60s                                                                               | Preheat: 120s<br>Print: 240s                                                      | 120s                                                                              | Print side down:<br>480s                                                          | 120s                                                                               | Print side down:<br>480s                                                            | 60s                                                                                 |
| Pressure (MPa) | 0.5MPa                                                                            | 0.2MPa                                                                            | 0.1MPa                                                                            | 0.3MPa                                                                            | 0.4MPa                                                                             | 0.3MPa                                                                              | 0.3MPa                                                                              |

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. If the substrate is covered by a protective film, please peel it off before printing. This includes acrylic sheets, hardboard, plywood, and more.
4. For thicker substrates, place them in the center of the pad to ensure even heating.

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.                          |

AIR COMPRESSOR TROUBLESHOOTING GUIDE

WARNING: Before performing any maintenance or repair work, disconnect the power supply and completely release the air pressure in the tank. Failing to do so could result in serious injury!

| Malfunction                                                             | Possible Causes                                                                                                                                                                                                           | Solutions                                                                                                                                                                      |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The motor does not rotate and there is no sound                         | 1. Not powered on<br>2. Pressure switch disconnected<br>3. Blown fuse<br>4. Overload protector triggered<br>5. Damaged pressure switch<br>6. Burned-out motor stator winding                                              | 1. Check plugs and switches<br>2. Reset the switch and identify the cause<br>3. Replace the fuse<br>4. Wait 15 minutes for the motor to cool down before it restarts           |
| The motor makes a buzzing sound but doesn't run, or it runs very slowly | 1. Low voltage<br>2. Shorted motor coil or switch<br>3. Damaged check valve or pressure switch                                                                                                                            | Check voltage                                                                                                                                                                  |
| Overload protector repeatedly cuts off power                            | 1. low voltage<br>2. Poor ventilation, too high temperature                                                                                                                                                               | 1. Check that a suitable fuse is used<br>2. Do not connect power from other electrical equipment, use the compressor's own circuit                                             |
| Pressure drops after turning off the air compressor                     | 1. Loose air line connections or leaks<br>2. Drain valve is open<br>3. Check valve is leaking                                                                                                                             | Check the air lines and connections for leaks                                                                                                                                  |
| Large amounts of water in the exhaust air                               | 1. A lot of water in the tank<br>2. High humidity                                                                                                                                                                         | 1. Drain the water from the tank<br>2. Move the compressor to a cooler location, or use an oil-water separator                                                                 |
| The air compressor is constantly running                                | 1. Damaged air pressure switch<br>2. There is a leak                                                                                                                                                                      | 1. Replace the air pressure switch                                                                                                                                             |
| The air compressor is vibrating                                         | 1. Fasteners are loose<br>2. damaged or missing support feet                                                                                                                                                              | 1. Check and troubleshoot<br>2. Replace the support feet                                                                                                                       |
| Pressure cannot be increased or failure to reach the specified pressure | 1. The exhaust valve is open<br>2. The air intake filter is clogged<br>3. Air leakage at the air line connections<br>4. Damaged cylinder head gasket or valve plate gasket<br>5. Excessive wear on the piston or cylinder | 1. Tighten the drain valve<br>2. Clean or replace the filter element<br>3. Tighten the air line connection bolts<br>4. Replace the gasket<br>5. Replace the piston or cylinder |