MasterPro

MICROTEC

USER GUIDE

MasterPro

Contents

Welcome

Welcome to the Heat Press World!

At the forefront of heat press technology, we are proud to introduce you to our premium line of heat press machines. Whether you are a beginner or a seasoned professional, our goal is to provide you with equipment that delivers precision, reliability, and unmatched quality.

This manual is designed to guide you through every aspect of using your new machine, ensuring you achieve optimal results with confidence. We are committed to delivering outstanding customer service, and our team of technical experts is here to support you with lifetime assistance.

Thank you for choosing us as your partner in heat press innovation.

Safety Instructions

When using your heat press machine, always follow these basic safety precautions to ensure safe operation.

1. Read all instructions carefully before use.

2. Use the heat press only for its intended purpose—pressing materials using heat.

3. Prevent electric shock by avoiding contact with water or liquids.

4. Unplug safely by grasping the plug, not the cord, when disconnecting from the outlet.

5. Keep cords away from hot surfaces and allow the machine to cool completely before storing it.

6. Do not use the machine if the cord is damaged or if it has been dropped or damaged. If repairs are needed, take it to a qualified service technician to avoid risks of fire, shock, or injury.

7. Always disconnect the power before cleaning, servicing, or performing maintenance on the machine.

8. Supervision is required for anyone using the heat press, especially children or those with reduced physical, sensory, or mental capabilities. Never leave the machine unattended while connected.

9. Avoid burns by not touching the hot metal parts or the heated platen during use. Wear heat-resistant gloves.

10. Do not overload electrical circuits. Avoid operating other high-voltage equipment on the same circuit as the heat press.

11. If an extension cord is needed, ensure it is rated for at least 20 amps to prevent overheating. Position the cord to avoid tripping or pulling hazards.

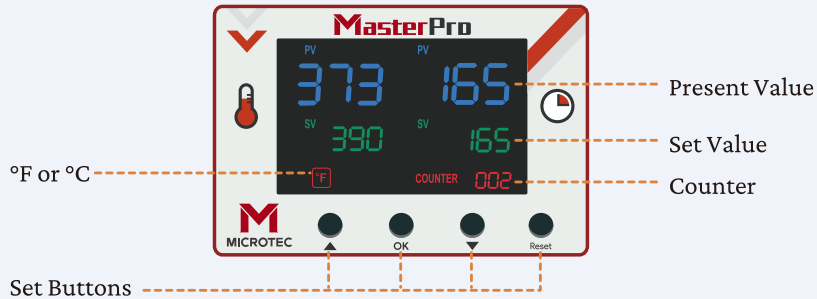
12. Keep hands clear of the upper platen during lock-down to avoid injury from the machine's pressure.

13. Place the heat press on a sturdy, suitable stand to ensure stability during operation.

14. Keep the work area clean and free of obstructions to avoid accidents.

15. Regularly inspect air hoses and connections on pneumatic models for any leaks or damage.

GY-06 Digital Controller Introduction



GY-06 Digital Controller

Present Value (PV): The left PV shows the current temperature of the heating element, while the right PV shows it's current time.

Set Value (SV): The left SV displays the set temperature, and the right SV displays the set time.

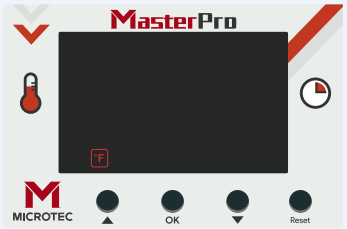
COUNTER: The "COUNTER" on the bottom right shows the number of transfer cycles. It can range from 0 to 999. Press "Reset" for 5 seconds to make counter return 0.

°F represents Fahrenheit, and °C represents Celsius. (The adjustable range for Fahrenheit is 0-437, and for Celsius, it is 0-255)

OK, Reset, "▼" and "▲" are the setting buttons.

Turn on the power switch, and the digital controller will turn on. The upper row displays the actual temperature and time, while the lower row shows the set temperature and time.

GY-06 Digital Controller Operation



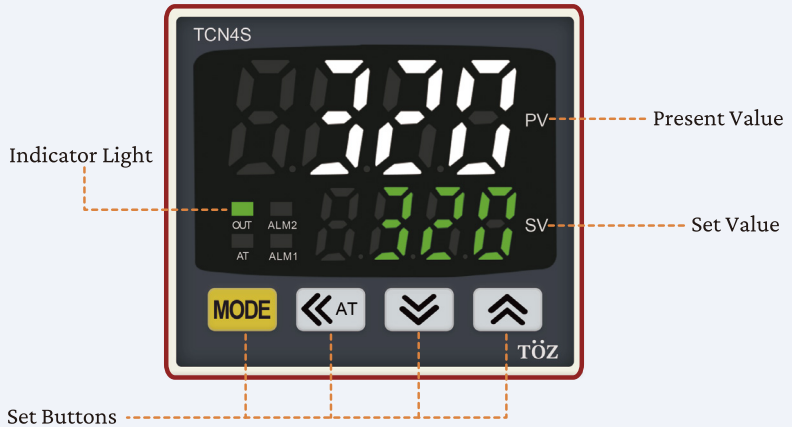
°F or °C: Press the "OK" button. Use "▼" or "▲" to switch between "°F", or "°C"". Press the "OK" button to move to the next screen.

Temperature setting: Use the "▲" and "▼" buttons to set your desired temperature. Press "OK" to move to the next screen.

Time setting: Use the "▲" and "▼" buttons to set your desired time. Press "OK" to move to the next screen.

The new temperature and time settings will be shown under SV. Once the desired temperature is reached, a beep will sound, indicating that the heat press is ready.

TC4S Digital Controller Introduction



TC4S Digital Controller

Present Value- PV is the current temperature.

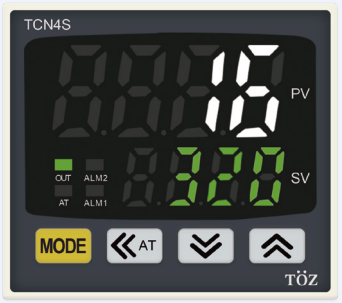
Set Value- SV is the set temperature (Adjustable Range: 10°F to 320°F).

AT, ALM1, ALM2, and OUT are indicator lights. (The OUT light remains on during heating. If ALM1 and ALM2 are both on simultaneously, please contact us)

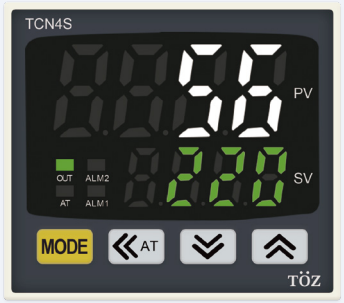
MODE 、AT 、 、 are setting buttons.

Pleast noted that the TC4S Digital Controller is ONLY for models with both upper and lower heating plates.

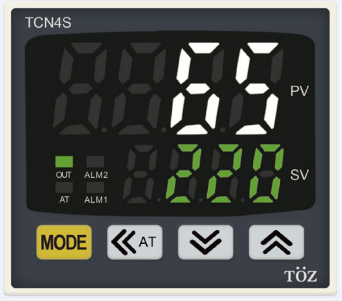
TC4S Digital Controller Operation



Turn on the lower heater switch (please ensure the upper heater switch is on). After 2 seconds, PV will display the current temperature, and SV shows the set temperature. The default set temperature is 320°F for heat transfering leather patches, 3D embroidered patches etc.

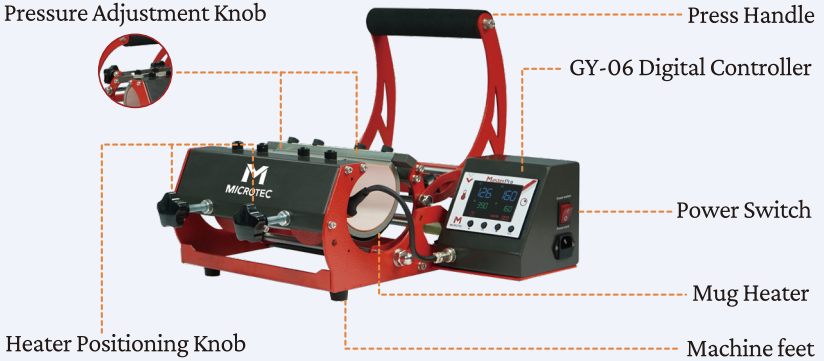


To adjust the set temperature, press the "MODE" button to enter the setting mode, the SV's unit digit flashing. Use the "⌄⌄" and "⌃⌃" buttons to adjust the flashing digit to your desired value. Press the "AT" button to switch between the unit, ten, hundred, and thousand digits of the SV for further adjustments.



After setting your desired temperature, press the "MODE" button to save your settings and exit. If no operation is performed within 2 seconds, the settings will automatically save and exit.

FRA Tumbler Heat Press Structure

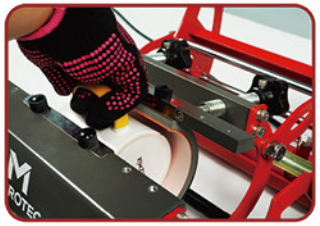


FRA-30

Exchangeable Mug Heaters

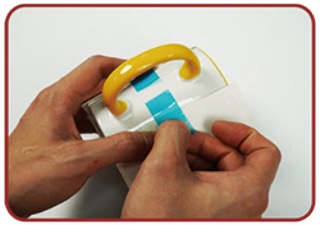
1. 1.5oz. Mug Heater
2. 3oz. Mug Heater
3. 6-9oz. Mug Heater
4. 11oz. Mug Heater
5. 12oz. Latte Mug Heater
6. 17oz. Latte Mug Heater
7. 30oz. Tumbler Heater (Long Support Bar is needed)
8. 40oz. Tumbler Heater (Long Support Bar is needed)

FRA Heat Transfer Process



Pressure Adjustment (**Power OFF First**)
Let's test to make sure you are able to insert the mug and close it. If adjustments need to be made, use the two pressure adjustment knobs to adjust the appropriate pressure. We recommend a medium to high pressure.

Mug Heater Positioning
Ensure the mug heater is in closed status, adjust the two front positioning knobs to secure the mug heater in the central position, and fix the screws.



Prepare Materials
Turn on the power. While the machine is heating, cut the printed sublimation paper and wrap around the mug with heat resistant tape. If done properly, the surface should be flat with no gaps.

Press and Transfer
When the temperature reaches the set value, the buzzer will sound, inserting your mugs to make sure the handle is upright. It's important to ensure that you get heat throughout the entire mug surface.

Peel Off
When the countdown ends, the buzzer will sound. Open the handle, remove the mug and peel off the paper. We recommend waiting to cool down to avoid injury. If you have heat-resistant gloves, you may peel it sooner.

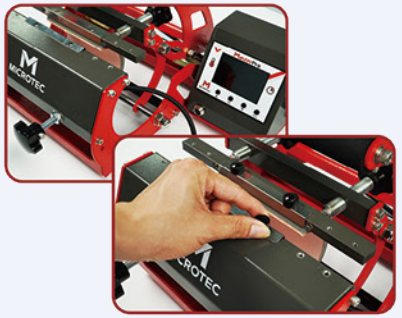
How to Change the Mug Heaters

1. Put the handle in the closed position. Unscrew the big black screws to release the mug heater.

2. Disconnect the mug heater cord.

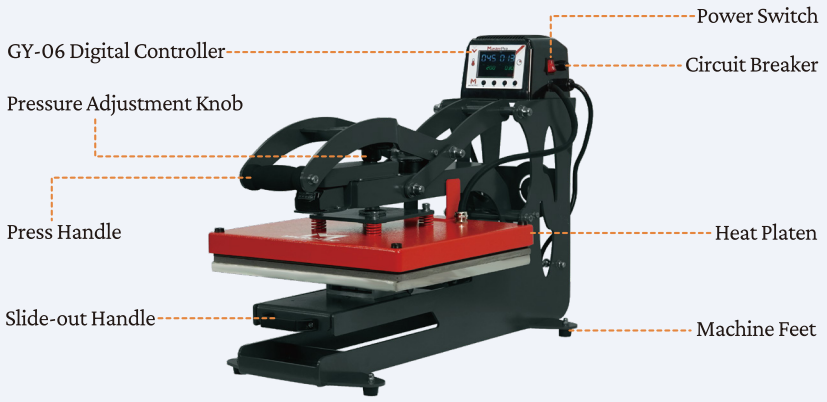
3. Lift the handle and remove the mug heater.

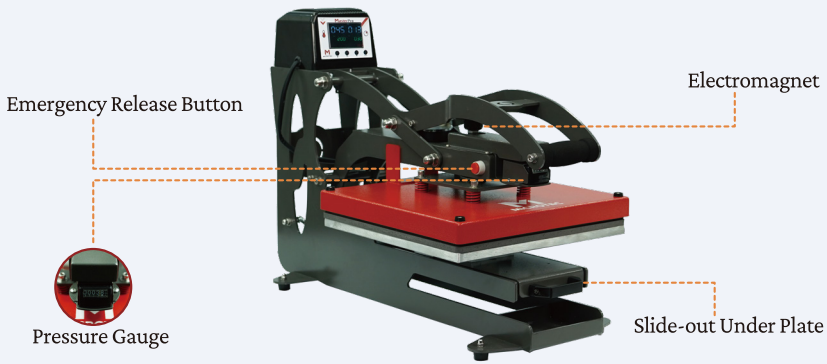
4. Insert the replacement mug heater, align the holes and tighten the big black screws.



5. Connect the mug heater cord and tighten it. Mug heater replacement is complete.

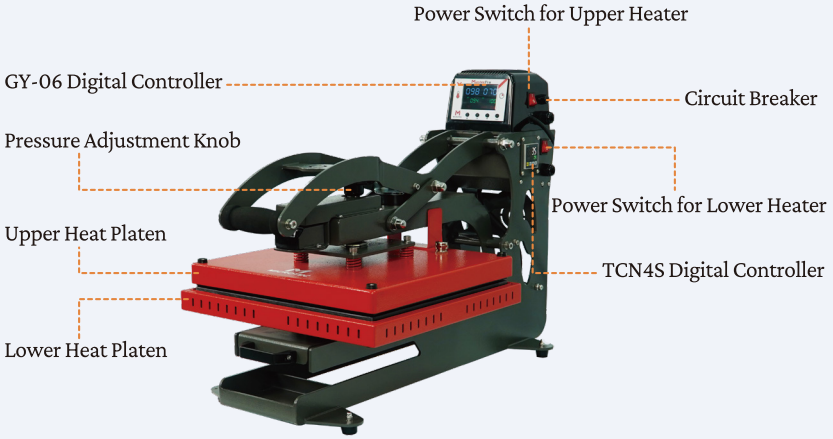
RHP Auto Open Heat Press Structure

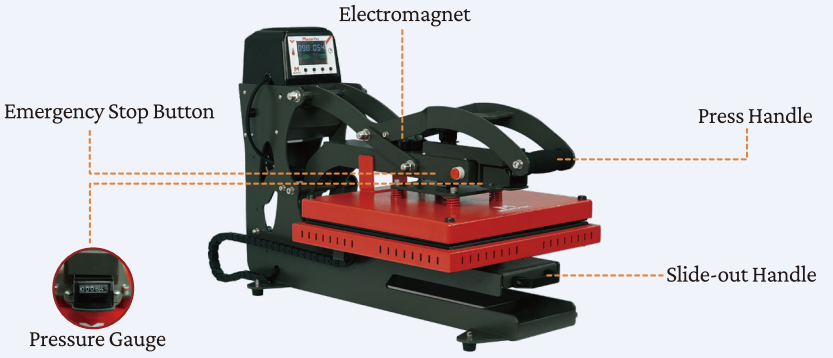




RHP-15-V2

RHP Dual Heat Platen Auto Press Structure





RHP-15MS-V2D

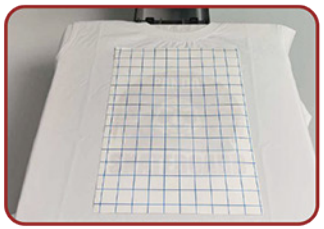
RHP Dual Heat Platen Auto Press is a specialized machine designed for dual-sided heat transfer applications, such as heat-applied transfer labels, leather patches, vinyl decals and stickers etc.

RHP Heat Transfer Process

Pressure Adjustment（**Power OFF First**）
Place the item to be transferred on the lower platen. Press the heating platen down to check the pressure. If the item can be removed easily, turn the pressure knob clockwise to add more pressure. Use the pressure knob to adjust the proper pressure.

Power On
Turn on the power and wait for the temperature to reach the set value. For RHP-15MS-V2D (Dual Heat Platen), please turn on both power switch.

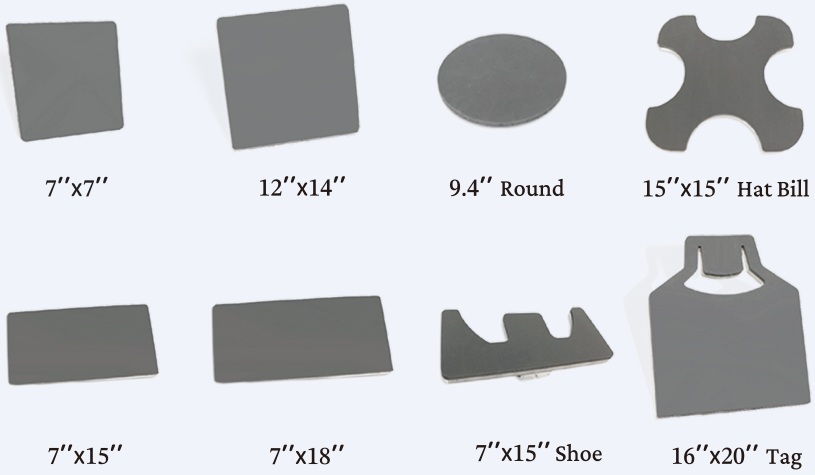
Pre-Press
Press down the handle and allow the heat platen to make contact with transferreditems. Wait for 5 seconds and press the emergency release button to release the heat platen. This helps remove wrinkles.



Start the Transfer
Position the transfer paper, film, or other materials on top of the item, secure it with heat resistant tape. Cover with Teflon Sheet, and press down heat platen. (For dual-sided heat transfer with RHP-15MS-V2D, put the heat-resistant pad on the lower heater before placing the transferred items)

Complete the Transfer
When the countdown ends, the heat platen will automatically rise. Pull out the lower platen and peel off the transfer paper or film. (Note: Transfer papers may require either cold peel or hot peel; refer to your transfer paper instructions.)

Exchangeable Lower Platens

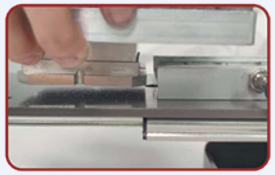


7″x7″ 12″x14″ 9.4″ Round 15″x15″ Hat Bill

7″x15″ 7″x18″ 7″x15″ Shoe 16″x20″ Tag

How to Change the Lower Platens

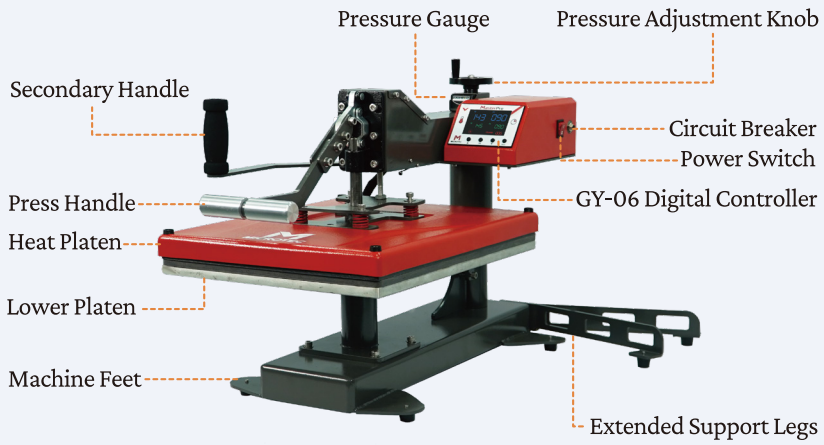
1. Pull and rotate the indexing pin to release the lower platen.



2. Insert the new lower platen, rotate the indexing pin, insert and lock it.

Please note the lower platen of RHP-15MS-V2D is not exchangeable.

GCH Swing Heat Press Structure



GCH-1620-V2

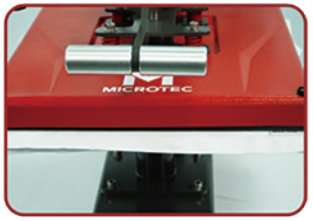
Extended Support Feet

The design of the extended support legs enhances stability during operation and facilitates transportation. These auxiliary legs provide a solid foundation, ensuring stability and balance even under heavy use, which helps prevent the machine from tipping over.

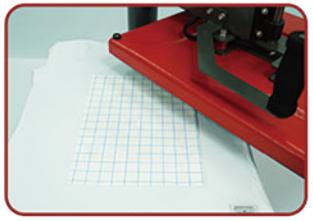
GCH Heat Transfer Process

Pressure Adjustment (**Power OFF First**)
Place the item to be transferred on the lower platen. Lock your machine down to check the pressure. If the item can be removed easily, turn the pressure knob clockwise to add more pressure. Use the pressure knob to adjust the proper pressure.

Power On
Turn on the power, the digital controller will display. Set target temperature and time, wait for the temperature to reach the set value.



Pre-Press
Press down the handle and allow the heat platen to make contact with the transferred items. Wait for 5 seconds, then lift up the handle. This step helps remove moisture and wrinkles.



Start the Transfer
Position the transfer paper, film, or other materials on top of the item, secure it with heat resistant tape. Then cover the item with Teflon Sheet, and press down the heat platen. During this process, the countdown timer will begin.

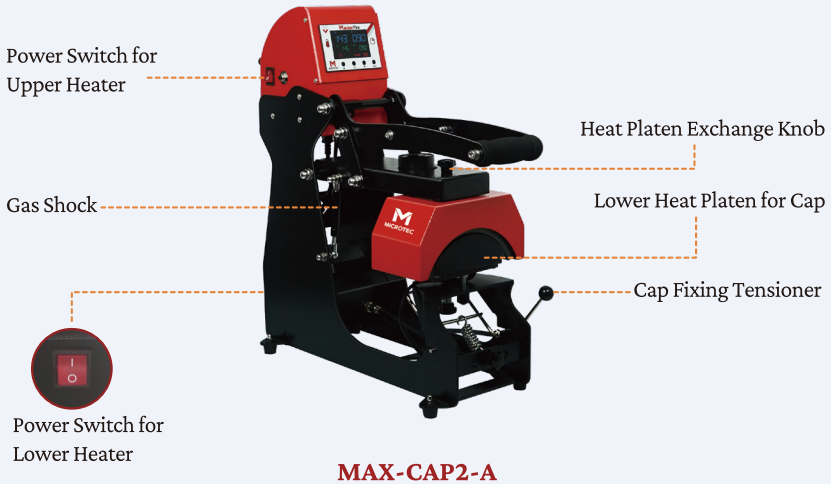
Complete the Transfer
When the countdown ends, the buzzer will sound intermittently. Lift the handle and peel off the transfer paper. (Note: Transfer papers may require either cold peel or hot peel; refer to your transfer paper instructions.)

NMAX Cap Heat Press Structure

NMAX-B

NMAX-200

MAX-Cap Dual Heat Platen Cap Press Structure



MAX-CAP2-A

MAX-CAP Dual Heat Platen Cap Press is designed for dual-sided heat transfer applications, such as Leather Patches and 3D Embroidery etc.

NMAX Cap Heat Transfer Process

Pressure Adjustment (**Power OFF First**)
Place the cap on the lower platen, press the handle down to test the pressure. Adjust the proper pressure by turning the pressure knob clockwise or counterclockwise.

Power On
Turn on the power, the digital controller will display. Set target temperature and time, wait for the temperature to reach the set value.

Prepare Materials
Lift the hat fixing tensioner to hold the cap tightly, place the transfer paper, film or other materials onto the cap.

Start the Transfer
When the machine reaches the set temperature, press down the heat platen by firmly locking down the handle. During this process, the countdown will begin.

Complete the Transfer
When the countdown ends, the heat platen will automatically rise. Lift cap fixing tensioner, remove the cap, and peel off the transfer paper or film to complete the transfer.

How to Change the Upper Heater

1. Unplug the heat platen's power cord.

2. Loosen the heat platen exchange knob.

3. Slide the heat platen to the right to remove it.

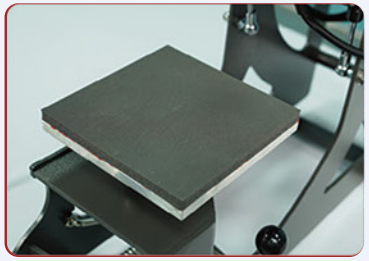
4. Slide the new heating platen into the track.

5. Tighten the exchange knob to secure it in place.

6. Plug in the new heat platen's power cord.

How to Change the Lower Platen

1. Lift the lower platen to remove.



2. Align the hole and insert the lower platen.

Heat Pressing Tips

Whether you're applying designs on T-shirts, cap, or other materials, there are a few tips and tricks that can help you achieve flawless transfers every time.

Check Temperature and Pressure Settings

- The right temperature and pressure are crucial for achieving a perfect transfer. Adjust both based on the material and transfer type to avoid incomplete designs or damage to the fabric.

Pre-Press Your Garment

- Pre-pressing removes moisture and wrinkles from the fabric, ensuring a smooth surface for the transfer and better adhesion of the design.

Use the Right Materials

- Using compatible transfer papers and inks for your fabric and transfer method (e.g., sublimation, vinyl) is essential for professional, long-lasting results.

Time is Key

- Press your design for the recommended time to avoid under or over-pressing, which can result in incomplete transfers or damage.

Cool Peel vs. Hot Peel

- Follow the correct peeling instructions based on the transfer paper type (hot peel or cool peel) to prevent smudging or incomplete transfers.

Use a Teflon Sheet or Parchment Paper

- A Teflon sheet or parchment paper protects both the heat press and your design from damage, ensuring a cleaner transfer and prolonging the machine's lifespan.