SKVA1050

USER GUIDE

Contents

Welcome

Welcome to the World of Heat Pressing Excellence!

You've just taken the first step toward enhancing your heat press journey with one of the highest-quality machines on the market. Whether you're a DIY creator or a professional working in the apparel industry, our equipment is engineered to meet the highest standards of precision and durability.

This manual has been crafted to provide you with detailed instructions and best practices to ensure optimal performance. And to enhance your experience, our team is dedicated to offering free lifetime technical support, ensuring that your investment continues to deliver value for years to come.

Thank you for choosing us, where quality and customer satisfaction are paramount.

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.

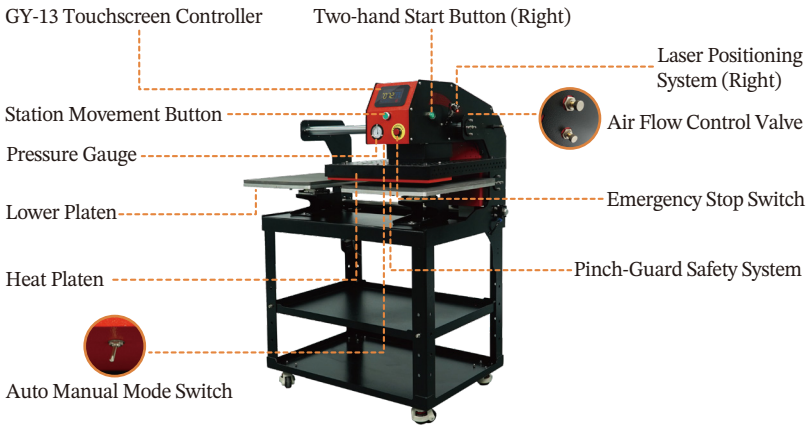
12. Keep hands clear of the upper platen during lock-down to avoid injury from the machine's pressure.

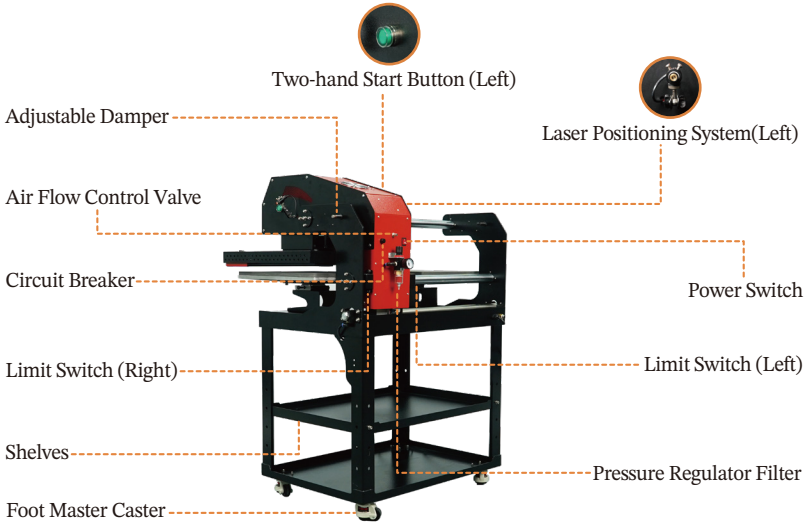
13. Place the heat press on a sturdy, suitable stand to ensure stability during operation.

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

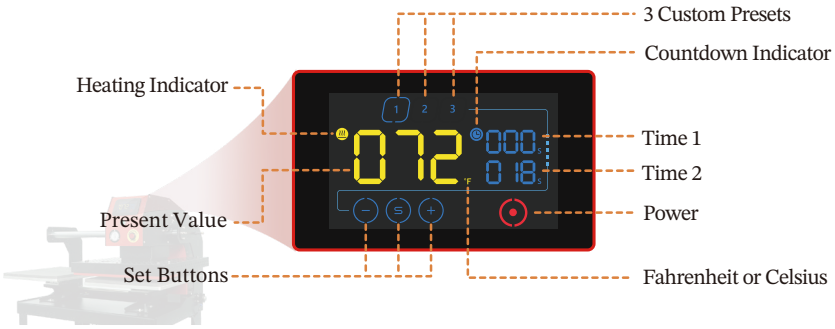
15. Regularly inspect air hoses and connections on pneumatic models for any leaks or damage.

Machine Structure





Touchscreen Controller Introduction



Present Temperature
(Adjustable Range: 32°F to 446°F)

3 Custom Presets

Power Indicator

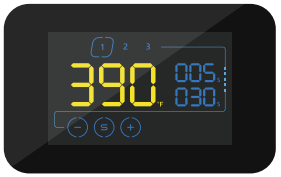
Set Buttons: Use the "−" and "+" buttons to set your desired temperature or time. "S" is for switching between setting modes.

Dual Timer: The first timer is displayed above, and the second timer is displayed below. After the first timer countdown ends, the heat platen automatically opens, then press down the heat platen to start the second timer countdown. In case you want to reset the timer, you need to wait until the second timer countdown ends. You can set the first timer to 0, and use only the second timer.

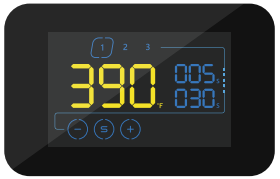
Turn on the Power Switch.

When the machine is powered on, wait for 5 seconds, and the controller will turn on. The three custom presets will start flashing. Select one of the custom presets to begin setting.

Touchscreen Controller Operation

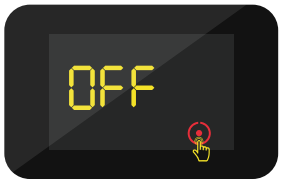


Press the "S" button to enter the temperature setting. Use the "+" and "−" buttons to set your target temperature. Press "S" to save your setting.



We are now going to set the 2 countdown times. Use the "+" and "−" buttons to set your desired times. Press "S" to save your setting. Generally "Time 1" for preheat, and "Time 2" for heat transfer time. Always follow your heat transfers recommendations.

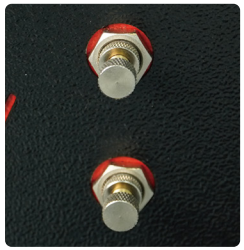
The "" indicator is flashing that the mahcine is in the heat up mode. Press "+" "−" buttons to set your desired pressure value.



Auto-off feature: If there is no operation within the set sleep time (150 minutes), the screen will display "OFF". You can restart the controller by clicking "".

Turn OFF the power switch when not in use.

Pressure Adjustment



❶ Connect the air supply

The pressure value will be displayed on the Regulator Filter Gauge (Range 0-1MPa).

❷ Adjust the air pressure

Pull up the knob of the regulator filter to adjust the air pressure (turn clockwise to increase the pressure and counterclockwise to decrease it). It is recommended to set the transfer pressure between 0.4-0.6 MPa. Once you've reached the desired pressure, press the regulator filter knob back down.

❸ Filter water from the air

The regulator filter will filter out water from the incoming air, which will be collected in the glass cup beneath the filter. Press the button at the bottom outlet by hand to discharge the water.

❹ Adjustment of heat platen's rise and press speed

Adjust the two knobs on the right side of the machine. The upper air flow control valve adjusts the speed at which heat platen rises, while the lower air flow control valve adjusts the speed at which heat platen presses down. You can adjust these settings according to your needs (turn clockwise to decrease speed, counterclockwise to increase speed). After making adjustments, tighten the screws near the machine cover to lock the settings. (Note: The machine is pre-set with suitable speeds, and it is not recommended to adjust these settings.)

❺Adjustment of heat platen's left and right speed

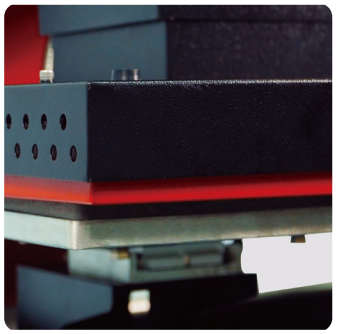
Adjust the knob at the back of the machine. This airflow control valve adjusts the speed of the heat platen's left and right movement (turn clockwise to reduce the speed,and counterclockwise to increase the speed). After adjusting,tighten the screw near the machine cover to lock the settings. Note: The machine has been preset with an appropriate speed, and it is not recommended to adjust this setting.

XPDS Features Introduction

Auto & Manual Mode Switch

Manual Mode -when the switch is flipped to the left: Press the station movement button in the center of the machine head to move the heating plate left or right. Once the heating plate reaches the desired station, press two-hand start buttons on either side simultaneously to lower the heating plate.

Automatic Mode - when the switch is flipped to the right: Press both the station movement button in the center and one of the two-hand start button on either side simultaneously. The heating plate will automatically move to the designated station and lower automatically once it reaches the position.



Pinch-Guard Safety System

The Pinch-Guard Safety System is designed to prevent accidental injuries or damage during heat press operations. By incorporating sensors on the heating plate, this system automatically detects any objects or fingers in the pressing area. If an obstruction is detected while the plate is lowering, the heating plate immediately stops and rises, ensuring that the user's hands and any unintended materials are protected.

Laser Positioning System

The Laser Positioning System consists of a laser marker with a universal bracket and an infrared laser. You can manually adjust the two universal joints to position the infrared laser beam so that the laser intersection is located in the center of the bottom plate. After the adjustment is complete, tighten the two adjustable screws on both sides. Rotate the knob on the infrared laser to ensure that the two intersecting beams are orthogonal to each other and parallel to the two orthogonal sides of the bottom plate. you can adjust the device according to actual needs.

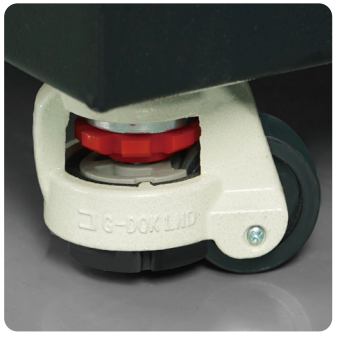
XPDS Features Introduction

Limit Switch Function

The limit switch ensures that the dual-station machine moves to the correct position when shifting between the left and right stations. Once the heating plate reaches the correct position, it triggers the limit switch, causing the heating plate to press down automatically.

Adjustable Damper Function

Adjustable dampers reduce vibrations and prevent collisions during heating plate movement. This not only protects the machine components but also ensures smoother operation, making the machine more user-friendly and improving its overall durability and performance.



Foot Master Caster

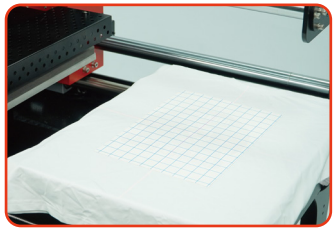
Moving the Machine: Turn the four Foot Master caster adjustment wheels clockwise to raise the support columns, allowing the machine to be moved.

Fixing the Machine: Turn the four Foot Master caster adjustment wheels counterclockwise to lower the support columns, lifting the wheels off the ground and stabilizing the machine.

XPDS Heat Transfer Process

Prepare to Press

Connect to the air source and turn on the power. After 5 seconds, the touchscreen controller will display, and the machine will begin to heat up to the desired temperature you set.



Prepare Materials

Adjust the pressure to the appropriate level. Place the item (e.g., T-shirt) on the lower platen, and position the transfer paper, film, or other materials on top of the item.

Start the Transfer (Manual Mode)

When the machine reaches the set temperature, press the station movement button to position heating plate. Then, press both start buttons simultaneously to lower the plate and start the Time 1 countdown. Use “Time 1” for pre-heating to remove moisture and wrinkles, and “Time 2” for the heat transfer. If pre-heating is unnecessary, set the same value for both times.

Switching Stations (Manual Mode)

When the countdown ends, the heating plate will automatically rise. After completing one station, press the station movement button to switch to the other station, where the next transfer item is positioned. Repeat the previous steps.

Quick Change Lower Platens

Complete the Transfer

When the countdown ends at the 2nd station, the heat platen will automatically rise, completing the transfer process. The transfer item can be removed, and the process is ready to begin again with the first station.

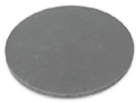
Emergency Stop Function

If you need to stop the machine immediately or in case of a malfunction, push the emergency stop switch to halt operation and quickly raise the platen to prevent damage or injury.

Quick Change Lower Platens

7''x7''

12''x14''



9.4'' Round

15''x15'' Hat Bill

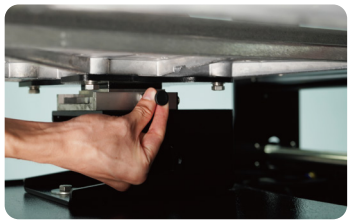
7''x15''

7''x18''

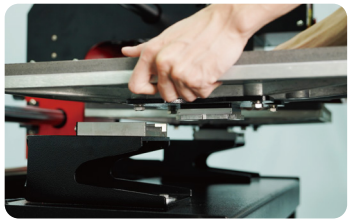
7''x15'' Shoe

16''x20'' Tag

How to Exchange the Lower Platen

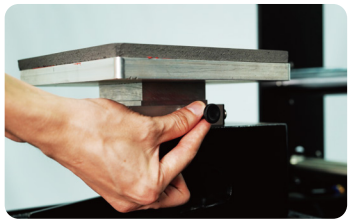


Pull and rotate the indexing pin to release the lower platen.



Take out the lower Platen.

Insert the new lower platen.



Rotate the indexing pin, insert and lock it.

Heat Pressing Tips

Whether you're applying designs on T-shirts, hats, 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.

Transfer Parameters

Transfer Material	Temperature (°F)	Time (Seconds)	Pressure	Additional Tips
Sublimation (Polyester)	375-385°F (190-196°C)	40-60	Medium	Best for light-colored polyester; avoid cotton.
Heat Transfer Vinyl (HTV)	300-320°F (149-160°C)	10-15	Medium to Firm	Common for cotton/polyester; pre-press to remove wrinkles. avoid cotton.
Direct to Film (DTF)	325°F (163°C)	15-20	Medium	Suitable for dark or light garments; use a Teflon sheet to protect the transfer.
Plastisol Transfers	325°F (163°C)	10-15	Heavy	Ideal for cotton/blends; use heavy pressure and pre-press to remove moisture.
Inkjet Transfer Paper (Light)	350°F (177°C)	20-30	Medium	Best for light-colored cotton; peel while hot.
Inkjet Transfer Paper (Dark)	320°F (160°C)	25-30	Medium	Suited for dark fabrics; peel when cool.
Glitter Vinyl	320°F (160°C)	15-20	Firm	Works on cotton and polyester; apply firm pressure for full glitter effect.
Flock Vinyl	320°F (160°C)	10-15	Medium	Raised, velvety texture; ensure even pressure.
Holographic Vinyl	320°F (160°C)	10-15	Firm	Shiny, reflective finish; use firm pressure for complete application.
Printable Heat Transfer Vinyl	300-310°F (149-154°C)	10-15	Medium to Firm	Allows full-color designs; peel when cool.
Foil Transfers	275°F (135°C)	10-15	Firm	Metallic finish; press again with Teflon sheet for longer-lasting results.

These settings are for reference only. When using different heat press machines, the time and temperature settings may vary depending on the machine's design, heating efficiency, and pressure system. We recommend performing a test press and adjusting the settings as needed to achieve the best results.