



**User Manual of  
HTVRONT A100 Auto Multi Heat Press**

Thank you for choosing HTVRONT!

Before first use, please read all accompanying materials carefully to ensure proper and effective operation. HTVRONT is not responsible for any loss resulting from failure to follow the instructions or from misuse due to misunderstanding.

While we strive for accuracy and clarity, this Manual may still contain errors or omissions. We are continuously improving our products and services, and reserve the right to update the product, software, and Manual content without prior notice.

For the latest information and updates, please visit our official website: <https://www.htvront.com/>

Included in the Box



▶ HTVRONT A100 Auto Multi Heat Press × 1



▶ 12×10 in Heat Plate x 1



▶ 20 oz Tumbler Heat Plate x 1



▶ Large Hat Heat Plate x 1



▶ 12×10 in Heat Press Mat x 1



▶ Large Hat Heat Plate Base with Hat Stretcher x 1



▶ Heat-Resistant Gloves x 1 Pair



▶ Quick Start Guide x 1

Device Overview



|                            |                              |                          |
|----------------------------|------------------------------|--------------------------|
| 1. Display Screen          | 5. Power Cord                | 09. Tumbler Heat Plate   |
| 2. Handle                  | 6. Large Hat Heat Plate      | 10. Heat Plate Connector |
| 3. 12×10 in Heat Plate     | 7. Large Hat Heat Plate Base | 11. Release Button       |
| 4. 12×10 in Heat Press Mat | 8. Hat Stretcher             |                          |

Details of Buttons

| Icon                                                                                | Name        | Function                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Power       | Press once to turn the machine on/off                                                                                                                                                                                             |
|    | Start       | Short press: Start pressing automatically and begin countdown.<br>Press again: Emergency stop.                                                                                                                                    |
|    | Increase    | Pressure Setting: Press to increase pressure value by 20 lb / 10 kg;<br>Temp Setting: Press to increase temperature value by 5°F / 5°C;<br>Time Setting: Short press increases time by 1 s; long press increases time by 5 s.     |
|    | Decrease    | Pressure Setting: Press to decrease pressure value by 20 lb / 10 kg;<br>Temp Setting: Press to decrease temperature value by 5°F / 5°C;<br>Time Setting: Short press to decrease time by 1 s; long press to decrease time by 5 s. |
|  | Temperature | Short press: Enter temperature setting mode;<br>Long press: Switch between temperature units (°F / °C ).                                                                                                                          |
|  | Time        | Press once to set time                                                                                                                                                                                                            |
|  | Pressure    | Short press: Enter pressure setting mode;<br>Long press: Switch between pressure units (lb / kg).                                                                                                                                 |
|  | Mode        | Can only be activated when the machine is powered on and the Heat Plate Connector is disconnected;<br>Long press: Enter mode selection;<br>Short press: Switch mode after entering mode selection.                                |

Functions



Memory Mode

The set temperature and time will be remembered for the next operation.



Auto Turn-Off

The device will turn off automatically if there is no operation within 15 minutes after reaching the set temperature. There will be beeps and flashing lights during the last 10 seconds before shutdown.



Custom Mode

Press the “Mode” button four times to enter Custom Mode. This mode allows free adjustment of machine height to accommodate thicker substrates, up to 5.12 in (13 cm). Note: The height refers to the distance between the heat plate and the ironing board.



Restore Default Settings

Briefly press the “Power” button to enter standby mode. Then press the “Power” and “Start” buttons simultaneously to restore default settings (210°F/20 s/110lb/  ).



Mobile Pressing

The 12 × 10 in heat plate can be used independently. Remove the heat plate from the machine while keeping the heat plate connector attached. The 0.8 m connection cable allows flexible movement of the heat plate, enabling heat pressing on larger substrates.

Instructions for Use

• Usage Notes

1. This product is a high-temperature heating machine. To avoid accidental burns, always wear heat-resistant gloves during operation.
2. For electrical safety, always make sure the machine is in standby mode before connecting/disconnecting the heat plate connector and switching modes/heat plates (refer to "Mode Switch Instructions").
3. After selecting a new mode, the machine will automatically adjust its height. To avoid damage during adjustment, always remove the installed heat plate before switching modes. Once the height adjustment is complete, the machine will automatically enter standby mode.
4. During automatic height adjustment, pressing any button will cancel the process. The machine will reset to its highest position and then enter standby mode.
5. After entering the mode selection interface, if no operation is performed within 60 seconds, or if the "Start" button is not pressed within 15 minutes after selecting a new mode, the machine will remain at the original mode height and enter standby mode.
6. Different modes require different machine heights. Please select the correct heat plate according to the displayed mode. Do not mix heat plates, as this may damage them.
7. When pressing the release button, keep your hands away from the rear locking slot of the main unit to avoid getting caught.
8. The screw beside the large hat heat plate base is a spare part. If the base wobbles slightly after rotation, use it to improve stability; otherwise, it is not required.
9. In Tumbler Mode, the pressure is fixed for consistent results, and the screen will not display pressure values.
10. If error codes E01/E02/E03 appear on the screen with a beeping sound:
  - For E03, check the heat plate connector to ensure it is properly connected, then press and hold the “Power” button. If the issue persists, power off the machine and restart it.
  - For E01/E02, power off the machine and restart it.
  - If the error persists after the above steps, please contact customer service for assistance.

• **Instructions for Use** (Example: 12 × 10 in Heat Plate)



Wear heat-resistant gloves before starting. Plug in the machine.



Ensure the machine is in standby mode and the heat plate connector is disconnected. Press and hold the "Mode" button to enter mode selection (a mode icon flashes on the display screen). Briefly press the "Mode" button to select T-shirt mode.



Briefly press the "Start" button to confirm. The machine will adjust its height automatically. For safety, the machine will then be in standby.



Align the heat plate mounting block with the main unit lock slot and lift the heat plate to secure it in place.



Install the heat press mat. Secure the four straps of the heat press mat to the four hooks under the ironing board.



Connect the heat plate connector to the machine (align it with the arrow as shown and insert it firmly until fully secured).



Press the "Power" button once to turn on the machine. Adjust the temperature, time, and pressure according to the "Quick Reference Chart". The "Start" button turns red.



Pull out the ironing board and place your preferred substrates and materials on it. Cover with a PTFE sheet.



When the machine beeps and the "Start" button turns green, the heat is ready. Push the ironing board back in until you hear a beep, then press the "Start" button to lower the heat plate and begin pressing automatically.



After the countdown, the machine will beep and automatically lift. Pull out the ironing board to remove your pressed substrates. Pressing is complete.

**Mode Switch Instructions**

**1. Mode Switching** (Machine Control)



By default, the machine starts in T-shirt mode.



If you need to switch modes, follow the steps below:  
1). Wear heat-resistant gloves before starting. Plug in the power cord to turn on the machine.  
2). Ensure the machine is in standby mode and the heat plate connector is disconnected. Press and hold the "Mode" button to enter the mode selection (the current mode icon flashes on the display screen).

3). Press the "Mode" button to switch modes. The switching sequence is as follows (the cycle repeats through the four available modes):

|                                                                                                                                                   |                                                                                                                                                      |                                                                                                                                              |                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>T-shirt Mode</b><br>Works with<br>12 × 10 in Heat Plate | <br><b>Tumbler Mode</b><br>Works with 20 oz<br>Tumbler Heat Plate | <br><b>Hat Mode</b><br>Works with Large Hat<br>Heat Plate | <br><b>Custom Mode</b><br>Height adjustable for<br>thicker substrates |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

4). After selecting the target mode, briefly press the "Start" button to confirm. The machine will adjust its height automatically. For safety, the machine will then be in standby.  
**Note:** For Custom Mode, briefly press the "Start" button once to confirm selection. Then press and hold the "+ / -" buttons to freely adjust the machine height (max. 5.12 in / 13 cm). Once the desired height is reached, briefly press the "Start" button again to confirm and complete the height setting.

**2. Heat Plate Installation**

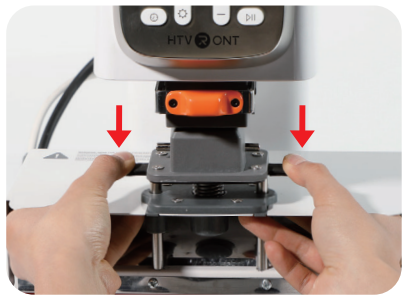
1. When the machine is in standby mode, install the corresponding heat plate. The installation steps for each heat plate are as follows:

**12×10 in Heat Plate**



① Hold the two handles of the heat plate. Align the mounting block with the main unit lock slot, then lift the heat plate to secure it.

**20 oz Tumbler Heat Plate**



① Press the heat plate tabs on both sides and slide the tumbler heat plate mounting block under the main unit lock slot to align.

**Large Hat Heat Plate**



① Pull out the ironing board, align the down-right corner of the hat heat plate base with the marks on the board, and rotate it counterclockwise until it locks in place. (The base is correctly locked when its edge aligns with the horizontal line on the board.)



② Install the heat press mat by attaching its four straps to the four hooks under the ironing board.



② Lift both tabs to secure.



② Hold the hat heat plate with both hands, align the mounting block with the main unit lock slot, and lift to secure it.

2. After installation is complete, connect the heat plate connector to the machine (align it with the arrow as shown and insert it firmly until fully secured). Then follow the Quick Start Guide above to complete the heat press project.

**Note:** The side with the HTVRONT logo is the front. If it is positioned the other way around, the heat plate will not install properly.



### 3. Heat Plate Removal

1. Ensure the machine is in standby mode and wear heat-resistant gloves. Disconnect the heat plate connector.

2. The removal steps for each heat plate are as follows:

#### 12×10 in Heat Plate



① Pull out the ironing board. Undo the four straps on both sides of the heat press mat, then remove the mat.

#### 20 oz Tumbler Heat Plate



① Press the release button with one hand, push down the heat plate tabs with the other, and pull outward using the ironing board to remove the tumbler heat plate.

#### Large Hat Heat Plate



① Pull out the ironing board and rotate clockwise to remove the hat heat plate base.



② Hold the heat plate handles, press the release button with your thumbs. Remove the heat plate and place it on the removed heat press mat.



② Hold the hat heat plate with one hand, press the release button with the other. Heat plate removed and place it on the hat heat plate base.

### Quick Reference Chart

| Material Type                             | Suitable Fabrics                                   | Temp          | Time  | Pressure                                      | Peel      |
|-------------------------------------------|----------------------------------------------------|---------------|-------|-----------------------------------------------|-----------|
| Pure/Pattern Heat Transfer Vinyl          | 100% cotton, ≤30% cotton, polyester, modal, canvas | 295°F / 145°C | 15 s  | 88-176 lb / 40-80 kg                          | Cold Peel |
| Glitter Heat Transfer Vinyl               | 100% cotton, ≤30% cotton, polyester, modal, canvas | 300°F / 150°C | 15 s  | 88-176 lb / 40-80 kg                          | Cold Peel |
| Holographic Heat Transfer Vinyl           | 100% cotton, ≤30% cotton, polyester, modal, canvas | 300°F / 150°C | 15 s  | 88-176 lb / 40-80 kg                          | Cold Peel |
| Chameleon Heat Transfer Vinyl             | 100% cotton, ≤30% cotton, polyester, modal, canvas | 295°F / 145°C | 15 s  | 88-176 lb / 40-80 kg                          | Cold Peel |
| Soft Metallic Heat Transfer Vinyl         | 100% cotton, ≤30% cotton, polyester, modal, canvas | 295°F / 145°C | 10 s  | 88-176 lb / 40-80 kg                          | Cold Peel |
| Glow-in-the-Dark Heat Transfer Vinyl      | 100% cotton, ≤30% cotton, polyester, modal, canvas | 295°F / 145°C | 15 s  | 88-176 lb / 40-80 kg                          | Cold Peel |
| Reflective Heat Transfer Vinyl            | 100% cotton, ≤30% cotton, polyester, modal, canvas | 300°F / 150°C | 15 s  | 88-176 lb / 40-80 kg                          | Cold Peel |
| Flock Heat Transfer Vinyl                 | 100% cotton, ≤30% cotton, polyester, modal, canvas | 300°F / 150°C | 15 s  | 88-176 lb / 40-80 kg                          | Cold Peel |
| Puff Heat Transfer Vinyl                  | 100% cotton, ≤30% cotton, polyester, modal, canvas | 310°F / 155°C | 15 s  | 66-132 lb / 30-60 kg                          | Hot Peel  |
| DTF Film                                  | 100% cotton, ≤30% cotton, polyester, modal, canvas | 300°F / 150°C | 15 s  | 132-176 lb / 60-80 kg                         | Cold Peel |
| Heat Transfer Paper for Dark/Light Fabric | 100% cotton, ≤30% cotton, polyester, modal, canvas | 320°F / 160°C | 20 s  | 88-176 lb / 40-80 kg                          | Cold Peel |
| Sublimation Paper                         | ≤30% cotton, polyester, modal, canvas              | 390°F / 200°C | 40 s  | 88-176 lb / 40-80 kg                          | Hot Peel  |
|                                           | Stainless Steel Tumbler                            | 365°F / 185°C | 130 s | Default Value - No Adjustment (66 lb / 30 kg) | Cold Peel |
|                                           | Ceramic Tumbler                                    | 374°F / 190°C | 400 s | Default Value - No Adjustment (66 lb / 30 kg) | Cold Peel |
|                                           | Glass Tumbler                                      | 365°F / 185°C | 300 s | Default Value - No Adjustment (66 lb / 30 kg) | Cold Peel |
| Hotfix Rhinestones                        | 100% cotton, ≤30% cotton, polyester, modal, canvas | 347°F / 175°C | 20 s  | 55-66 lb / 25-30 kg                           | Cold Peel |
| Embroidered Patches                       | 100% cotton, ≤30% cotton, polyester, modal, canvas | 338°F / 170°C | 20 s  | 55-66 lb / 25-30 kg                           | Cold Peel |

**Note:** The parameter values are for reference only. Material specifications may vary between manufacturers. Please follow the recommended values provided by the actual material supplier.

### Precautions

1. This product is a high-temperature heating machine and is for indoor use only. Place it on a dry, stable surface and keep it away from flammable materials to prevent accidents.
2. Ensure the input voltage matches the electrical specifications of the machine. When unplugging, always hold the plug body; do not touch the metal parts of the plug to avoid the risk of electric shock.
3. To prevent electric shock or other hazards, always disconnect the power after use and before cleaning. Do not immerse the device or power cord in water.
4. If the device or power cord is damaged, stop using it immediately and contact after-sales service. Repairs or replacements must be carried out by qualified professionals. Do not disassemble or repair the product yourself.
5. Children under 14 must use the machine under adult supervision.
6. Ensure children are supervised during use to prevent them from playing with the device.
7. Do not leave the machine unattended during operation.
8. After use, allow the machine to cool down completely before storing.

Specifications

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                |         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------|
| Product Name                   | HTVRONT A100 Auto Multi Heat Press                                                                                                                                                                                                                                                                                                                                                                                                    | Model                          | HPA02   |
| Temperature Range              | 210-390°F / 100-200°C                                                                                                                                                                                                                                                                                                                                                                                                                 | Time Range                     | 1-999 s |
| Pressure Range                 | 50-170 lb / 20-80 kg                                                                                                                                                                                                                                                                                                                                                                                                                  | Power-off Protection           | 15 min  |
| 12×10 in Heat Plate Input      | 120V ~ 50-60Hz                                                                                                                                                                                                                                                                                                                                                                                                                        | 12×10 in Heat Plate Power      | 1200 W  |
| 20 oz Tumbler Heat Plate Input | 120V ~ 50-60Hz                                                                                                                                                                                                                                                                                                                                                                                                                        | 20 oz Tumbler Heat Plate Power | 600 W   |
| Large Hat Heat Plate Input     | 120V ~ 50-60Hz                                                                                                                                                                                                                                                                                                                                                                                                                        | Large Hat Heat Plate Power     | 600 W   |
| Product Dimensions             | <ul style="list-style-type: none"><li>Machine dimensions:<br/>17.1 × 12.6 × 18.5 in (max) / 14.2 in (min)<br/>43.5 × 32.0 × 47.0 cm (max) / 36.0 cm (min)</li><li>12×10 in Heat Plate dimensions: 13.4 × 14.6 × 4.3 in / 34.0 × 37.0 × 11.0 cm</li><li>20 oz Tumbler Heat Plate dimensions: 14.6 × 6.0 × 8.7 in / 37.0 × 15.3 × 22.0 cm</li><li>Large Hat Heat Plate dimensions: 5.5 × 7.1 × 9.1 in / 14.0 × 18.0 × 23.0 cm</li></ul> |                                |         |
| Package Dimensions             | 19.5 × 19.5 × 16.5 in / 49.5 × 49.5 × 42.0 cm                                                                                                                                                                                                                                                                                                                                                                                         |                                |         |
| Product Weight                 | <ul style="list-style-type: none"><li>Total weight: 37.0 lb / 16.8 kg</li><li>Machine weight: 20.5 lb / 9.3 kg</li><li>12×10 in Heat Plate weight: 8.4 lb / 3.8 kg</li><li>20 oz Tumbler Heat Plate weight: 5.5 lb / 2.5 kg</li><li>Large Hat Heat Plate weight: 2.9 lb / 1.3 kg</li></ul>                                                                                                                                            |                                |         |
| Package Weight                 | 41.7 lb / 18.9 kg                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |         |

Precautions

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2. Ensure the input voltage matches the electrical specifications of the machine. When unplugging, always hold the plug body; do not touch the metal parts of the plug to avoid the risk of electric shock.
3. To prevent electric shock or other hazards, always disconnect the power after use and before cleaning. Do not immerse the device or power cord in water.
4. If the device or power cord is damaged, stop using it immediately and contact after-sales service. Repairs or replacements must be carried out by qualified professionals. Do not disassemble or repair the product yourself.
5. Children under 14 must use the machine under adult supervision.
6. Ensure children are supervised during use to prevent them from playing with the device.
7. Do not leave the machine unattended during operation.
8. After use, allow the machine to cool down completely before storing.

FAQS

Q1: What materials are supported by the A100 Auto Multi Heat Press?

A1: The HTVRONT A100 supports common heat transfer applications, including heat transfer vinyl, heat transfer paper, DTF transfer films, and more.  
Compatible substrates include most mainstream flat and curved items, such as:

- Fabric: Cotton, polyester, blended fabrics, canvas, and other materials (T-shirts, hoodies, canvas bags, pillows, etc.)
- Tumblers: Fits cups with diameters of 2.91–3.15 in, including 20 oz straight tumblers, mugs, glass cups, and other hard-surface drinkware
- Hats: Fits adult hats (sizes 7–8), including baseball caps, trucker hats, and bucket hats
- Others: Thick materials such as wood boards or multilayer fabrics, with adjustable height up to 5.12 in (13 cm)

Q2: Why is there slight smoke or odor when using sublimation materials?

A1: This is normal during sublimation transfer. During high-temperature heating, sublimation ink produces gas, and the ink and transfer paper may also release a small amount of vapor or odor when heated.

Q3: How can I ensure the best transfer results?

A1: Use compatible consumables and follow recommended temperature, time, and pressure settings. Parameters may vary depending on the material and manufacturing process across brands.  
A2: Ensure ink is completely dry after printing with a sublimation printer before transfer.  
A3: For tumbler heat plate use, cut sublimation paper to proper size and secure it with heat-resistant tape. Ensure tight contact with the tumbler surface and no lifted edges. Place the tumbler in the center of the silicone pad to ensure full coverage of the transfer area by the heating pad.

Q4: What should I do if the machine stops working?

A1: Check whether the machine is properly powered on.  
A2: Turn off the power and restart the machine. If the issue persists, contact customer service for assistance.

Q5: Why does the "Power" button keep flashing and cannot be turned off?

A1: When the machine is connected to power, the "Power" button may continue to flash. This indicates that the machine is in standby mode and is not heating, which is normal. Power consumption in standby mode is very low. If you prefer not to see the flashing light, unplug the power cord.

Q6: What are the key advantages of the A100 Auto Multi Heat Press?

A1: The key advantages include the following:

- One-button fully automatic operation, no manual pressing required.
- Tool-free quick-release design enables 1-second heat plate switching.
- Digital pressure control for precise and easy adjustment.
- Detachable heat plates for independent use, breaking machine size limits and allowing easy pressing of larger substrates.
- More expansion modules will be launched in the future, allowing flexible configuration based on user needs.

- Do not dispose of this appliance with general waste.
- This appliance must not be treated as household waste.
  - Please take it to a designated WEEE collection point for recycling.
  - This appliance is not intended for use 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.
  - Children should be supervised to ensure that they do not play with the appliance.

UK  
WEEE  
Requirements



### **HTVRONT A100 Auto Multi Heat Press Limited Warranty**

This product is covered by a one-year warranty from the date of purchase. If a defect occurs under normal use within the warranty period, we will provide warranty service. Proof of purchase is required to claim warranty service. HTVRONT accessories are covered by a free warranty for three months from the date of purchase. In the event that any warranty terms conflict with applicable local laws and regulations, the local laws will take precedence.

To the extent permitted by applicable laws, HTVRONT is not responsible for the warranty in the following situations: malfunctions caused by improper use, maintenance, and storage by consumers; malfunctions caused by self-repair or dismantling by those who do not undertake the three-guarantee repair without the permission of our company; products that can continue to be used after repair when the warranty expired; damage caused by force majeure. Meanwhile, HTVRONT disclaims all implied and legal warranties, including warranties of merchantability and fitness for a particular purpose. The warranties that are allowed to be denied are for the duration of this warranty.

Proof of purchase may be required to verify warranty eligibility.