



User Manual of HTVRONT DO1 DTF Oven

Thank you for purchasing the HTVRONT DO1 DTF Oven. Before using this product for the first time, please read this product manual carefully and keep it for future reference.

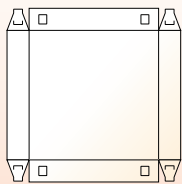
Included in the Box



▶ HTVRONT DO1 DTF Oven x 1



▶ Heat-resistant Gloves x 1



▶ Foldable Shaker x 1



▶ Smoke Filter x 1

Machine Overview



1. Air Vent	2. Pneumatic Rod	3. Display Screen	4. Handle
5. Oil Collector	6. Upper Heat Plate	7. Lower Heat Plate	
Temp: 210°F~300°F/100°C~150°C		Time: 1 ~ 199 s	

Details of Buttons



Power
1. Short tap once to turn the machine on or off.



Start
1. In Manual Mode, short-press to start heating.
2. During the countdown, short-press once to stop baking and reset the timer.



Increase
Each short press:
— Temperature ↑ 1°F / 1°C
— Time ↑ 1 s
Press and hold for 2 s:
— Temperature ↑ in 5°F / 5°C steps
— Time ↑ in 5 s steps



Decrease
Each short press:
— Temperature ↓ 1°F / 1°C
— Time ↓ 1 s
Press and hold for 2 s:
— Temperature ↓ in 5°F / 5°C steps
— Time ↓ in 5 s steps



Temperature
1. Press the "Temp" button to set up the temperature (digits blink); Press the "Temp/Time" button again to exit setting mode, or wait for 3 s to exit automatically.
2. Long press (2 s): Convert the temp units (°C/°F).



Time
Short press (press once): Enter time setting mode. The time value flashes. Press "+" or "-" to adjust the time. Press the "Time" button again to save, or wait 3 s for automatic saving. Long press (≥ 2 s): Switch between pressure units (kg / lb).



Mode
1. Short press to switch between "Auto" Mode / "Manual" Mode.
Auto Mode: Once preheating ends, close the lid, and the machine starts the countdown automatically.
Manual Mode: Once preheating ends, close the lid and press the "Start" button to start the countdown.



Filter
1. When the filter is exhausted, the machine beeps, short-press to stop the alarm.
2. After replacing the filter, press and hold for 2 s to reset the remaining filter time.

Details of Display Screen



Filter Status

1. Displays remaining filter usage (100% → 0%);

2. When the remaining reaches 0%, the indicator flashes and the machine beeps at power-on.



Temperature

On first power-on, the screen displays the default temp value. Short press the temp button or wait 3 s to exit flashing.



Time

On first power-on, the screen displays the default time value. Short press the time button or wait 3 s to exit flashing.



Filter

3 icons lit in sequence after the countdown ends.

The icons go off after air purification is finished.



Auto Mode

Icon lit: Auto Mode active;

Tap and hold the “Mode” button for 2 s to switch to Manual Mode (icon off).

Details of Indicator Light

Buttons	Indicator Lights	Status
Power	Flash White	The machine is powered on.
	Light White	The machine is turned on.
Start	Flash Red	The machine has not reached the set temperature. Filtration is in progress.
	Light Green	The machine reached the set temperature. The machine is baking.
	Flash Green	The machine is cooling down.

Specifications

Product	HTVRONT DO1 Oven	Heat Plate Size	19 x 17 in/483 x 432 mm
Model	FOB03	Temp Range	210 ~ 300°F/100 ~ 150°C
Machine Dimensions	23.3 x 21.8 x 7 in 58.2 x 54.4 x 17.7 cm	Time Range	1 ~ 999 s
Package Dimensions	24.2 x 8.7 x 24 in 61.5 x 22 x 61 cm	Rated Power	1200W
Product Weight	13.2 kg	Rated Voltage	120V~ 60Hz
Package Weight	15.3 kg		

Functions



Memory Mode

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



Auto shut-off

This machine will turn off automatically if there's no operation within 15 minutes.



Preset Modes

Default settings: 295°F/145°C, 80 s. You can customize the parameters freely.



Auto/Manual Mode

Press and hold the “Mode” button for 2 s — Auto icon turns off and switches to “Manual” Mode.



Emergency Stop

During baking, press the “Start” button to exit. The time and temp return to the preset values.



Switch Temp Unit

Long-press the “Temp” button to switch the units.

Instructions for Use



Plug in the machine and press the "Power" button to turn it on(Default settings: 295°F/145°C, 60 s, Mode 1).



Short-press the Temp/Time" button to adjust the temperature and time freely. After setting the appropriate temp and time, the machine starts preheating. During preheating, the "Start" button flashes red;



Long-press the "Mode" button to set up the "Auto" and "Manual" modes.



Once the "Start" button turns green and the machine beeps, wear heat-resistant gloves and place the powdered DTF transfer film in the machine with the printing side facing upward, ensuring the film contacts closely with the lower heat plate.



For "Manual" mode, close the lid and press the "Start" button to start the countdown. For "Auto" mode, close the lid, and the machine starts the countdown automatically.



When the countdown ends, wait for the machine to beep. After the beep, the machine starts purification. Wait for the beep, then open the lid and remove the film.

Filter Replacement Instructions



Turn the filter cover following the unlock direction mark and remove it.



Use the pull strap to lift out the used filter. Install a new filter with the white side facing downward and put the cover back.



After installation, press and hold the "Filter" button for 2 s to reset.



If no new filter, connect a 140 mm inner diameter exhaust hose to the air vent for direct external ventilation.

Quick Reference Chart

DTF Film Size	Recommended Settings
A4	295°F/145°C 80 s
A3	295°F/145°C 80 s
16 x 18.5 in/410 x 470 mm (Maximum Size)	295°F/145°C 100 s
Note: If the temperature is increased, the baking time can be shortened accordingly. If the temperature is decreased, the baking time should be extended accordingly.	

DTF Powder Shaking Instructions



Fold the included shaker into a box shape.



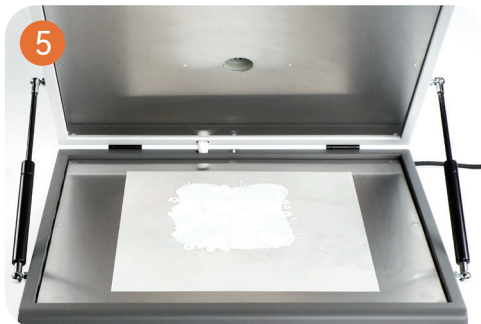
After printing, place the film flat and air dry the extra moisture for optimal performance. Preheat the oven and set the required temperature and time.



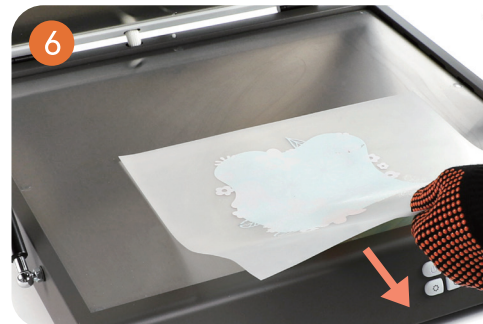
Evenly distribute the DTF powder over the film and gently shake to ensure full coverage.



Lightly tap the back of the film to remove the excess powder.



Place the film flat in the oven with the printed side facing up. Recommend setting: 135°C/275°F, 60 s. (Note: Avoid contact or friction on the design during handling.)



Wear heat-resistant gloves and remove the cured film. After cooling, promptly proceed with heat pressing or seal it for storage.

FAQS

Q1: Why does the powder not melt properly or cure unevenly?

A1: Newly printed film holds moisture, which can interfere with curing. Let it air out for a few minutes before powdering and baking.

A2: You can also preheat the printed film briefly (about 20–30 seconds without powder) to remove excess moisture, then apply powder and continue baking.

Q2: Why isn't the adhesive fully melted after baking?

A1: Make sure the film lies completely flat on the heating surface. If it extends beyond the heating area or lifts up, the adhesive may not melt evenly.

Q3: What can I do if the filter is used up and I don't have a replacement?

A1: If a new filter isn't available, attach a 140 mm exhaust hose to the air vent and secure it tightly to vent the air directly outside.

Q4: Can I open the lid during the purification process? Will it affect the transfer film?

A1: Opening the lid during purification will not affect the transfer film quality. However, the purification function will automatically stop once the lid is opened.

A2: It is not recommended to open the lid as the DTF powder produces smoke and odor during heating.

Q5: The machine indicates that the filter lifespan has expired. Do I need to replace it immediately?

A1: Remove the filter and check whether any of the following conditions are present:

- the surface is completely discolored or hardened,
- the activated carbon layer is peeling or releasing powder,
- the filter is visibly deformed.

If any of these conditions are observed, replace the filter immediately. Otherwise, the filter may continue to be used until any of the above conditions occur.

A2: If powder falls from the filter during curing, replace the filter promptly.

Precautions

1. Ensure the input voltage matches the voltage specified on the machine's sticker.
2. To prevent electric shock or other hazards, use this product only as described in the manual. Do not use it for unintended purposes.
3. Children under 14 years old MUST have adult supervision while using the product.
4. Regularly inspect the power cord for any damage. If the cord is damaged, it must be replaced by the manufacturer or a qualified service technician.
5. You can only use this product on a flat, stable, and heat-resistant surface.
6. Do not use this product in damp or wet environments.
7. Do not immerse this product, power cord, or plug in water or any other liquid.
8. Do not let the power cord touch the heat plate during operation. Do not rinse the product with any liquid;
9. Always wear heat-resistant gloves during the operation.
10. After use, wait until the product is completely cooled down before checking or storing it to avoid burns.
11. When unplugging, always hold the plug itself—never pull the cord;
12. To reduce the risk of electric shock or injury, always unplug the machine before any maintenance or repair.
13. If the product or power cord is damaged, stop using it immediately. Do not attempt to disassemble or repair it yourself. Contact HTVRONT customer service for assistance.
14. If the screen beeps or shows an "E1", "E2", or "E3" etc errors, immediately disconnect the power and restart the machine. For further issues, contact HTVRONT customer service.

Operating Environment

1. Do not use the device in excessively cold or hot environments, as this may affect processing performance.
2. Keep the machine away from damp or dusty areas.
3. Place the oven in a well-ventilated area when baking.

Daily Maintenance

1. Please clean the heat plate regularly to remove residual powder or oil that affects the printed image.
2. Replace the filter and clean the oil collector as needed.

Notices

1. Before curing, allow the printed design to air dry until the surface appears matte. Excess moisture may lead to curing failure.
2. When placing the film, make sure the film remains in full contact with the heat plate to ensure even baking.

HTVRONT DO1 DTF Oven 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.