



VECTOR

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Model: VCap Series

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VCap Series User Manual

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Overview

1.1 Equipment Overview

Thank you very much for choosing our manual VCap series heat press machine!
Please read this instruction manual carefully before use to ensure correct operation.
Keep this manual in a safe place for future reference.

1.2 Safety Precautions

NOTICE



The manufacturer is not responsible for damage, injury, production loss, or other losses caused by improper operation, unauthorized modification, incorrect installation, incompatible parts, or service by unqualified personnel.

1.3 Operating Environment

- Indoor, dry, clean, and well-ventilated location
- Operating / Storage Temperature: 41°F–104°F
- Relative Humidity: 30%–90%, non-condensing
- Stable, level, heat-resistant work surface
- Keep away from water, excessive dust, corrosive gases, flammable materials, and explosive vapors

1.4 Grounding & Technical Parameters

1.4-1 Grounding Requirements:

To prevent electric shock or fire caused by leakage, overvoltage, or insulation failure, please ensure the equipment is reliably grounded.

1.4-2 Technical Parameters:

Item	Specification
Model No.	VCap
Controller	GY-06N
Amp / Voltage / Power	4.2A\120V\500W
Time Range (S)	0 ~ 999
Temperature Range (°F)	0 ~ 446

Appearance and Functions

2.1 Exterior View



Optional Lower Platen



Cap Platen Set



(Please refer to the images in your original document for labels 1 through 6.)



2.2 Component Names and Functions

- 1. GY-06N Temperature Control Panel:** Controls the machine's temperature heating and the transfer process.
- 2. Power Switch:** Turns the machine's power ON and OFF.
- 3. Heating Element Terminal:** Allows for interchanging between the cap heating element and the flat heat platens.
- 4. Countdown Trigger Switch:** Activates the GY-06N panel to initiate the countdown timer.
- 5. Resettable Breaker/Fuse:** Automatically pops up to cut off power if the machine detects an abnormal current spike. Press down to reset and resume operation once the machine returns to normal.
- 6. Power Cord:** Supplies power to the entire machine.

2.3 Operation

Operating Steps:

1. Plug the power cord **【6】** into a 120V AC outlet based on the voltage requirements, and turn ON the power switch **【2】**.
2. Center the hat to be transferred onto the lower cap platen, secure it tightly, and properly apply the transfer paper.

3. Initial Pressing Operation:

- When the heating element reaches the set temperature for the first time, a "beep-beep" alarm will sound.
- Use both hands to press down on the handle to close the heating element and initiate the temperature panel control for transfer:
- The buzzer will sound one single "beep," and the **"Prepress Time"** countdown will begin.
- When the countdown reaches 0, the buzzer sounds, the countdown ends, and the heating element opens automatically to complete the transfer. The cycle counter in the lower right corner will not count this step.

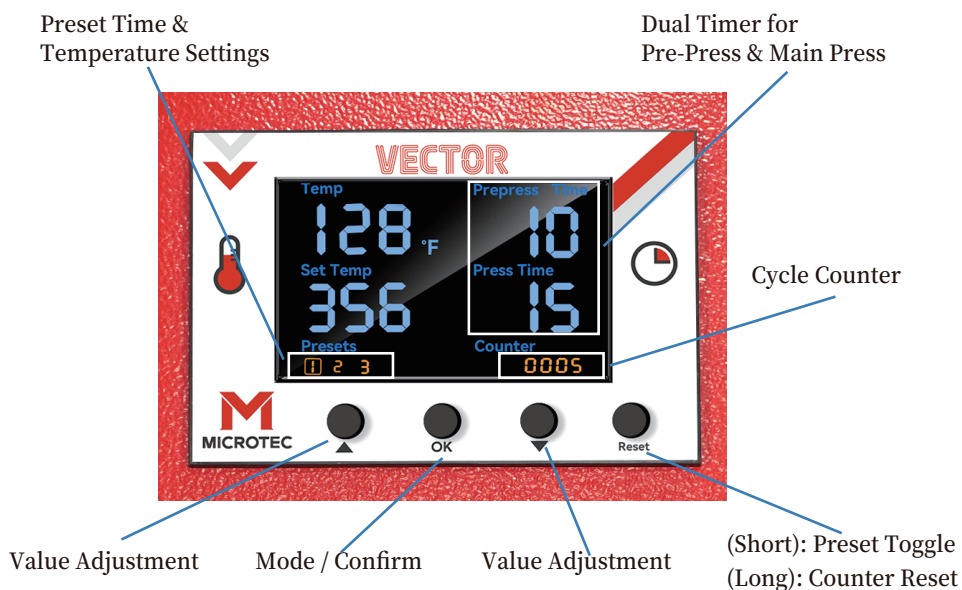
4.Subsequent Pressing Operations:

- Place a new hat onto the lower platen, apply the transfer paper, and use both hands to close the heating element.
- The buzzer will sound one single "beep," and the **"Press Time"** countdown will begin.
- When the countdown reaches 0, the buzzer sounds, the countdown ends, and the heating element opens automatically to complete the transfer. The cycle counter in the lower right corner will increase by 1 (e.g., changing to 0001).

Tip: The two countdown timers run sequentially in a cycle. You can set the "Prepress Time" to 0 if you only want to use the "Press Time."

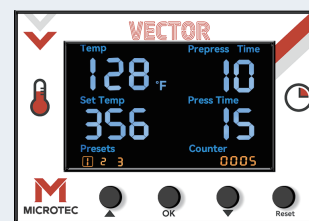
5.Counter Reset: On the main interface, press and hold the "RESET" button for 2 seconds; the "Counter" display will start flashing. Continue holding for 5 seconds total to clear the current count back to 0000.

2.4 GY-06N LCD Digital Controller

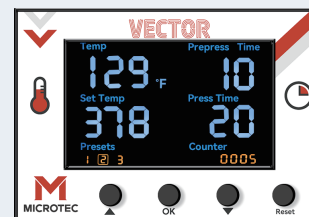


2.5 GY-06N Temperature Controller Instructions

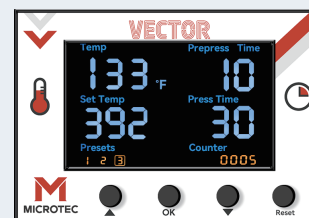
2.5.1 Selecting Presets: On the main interface, tap the **RESET** key to toggle between memory presets **[1]**, **[2]**, and **[3]**. The selected preset will be outlined on the display. The screen will show the set temperature and time for that preset, while "Temp" shows the actual current temperature.



The image below shows that Preset **[1]** is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.



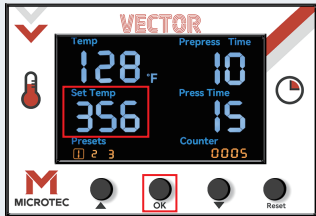
The image below shows that Preset **[2]** is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.



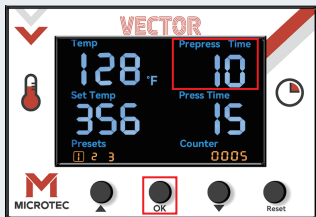
The image below shows that Preset **[3]** is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.

2.5.2 Adjusting Settings

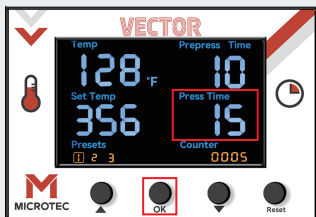
Once a preset is selected, follow these steps to customize the temperature and time:



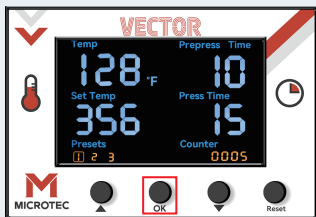
1. Adjusting Temperature: Tap **OK**; the "Set Temp" for the current preset will flash. Use the ▲ and ▼ keys to adjust the value.



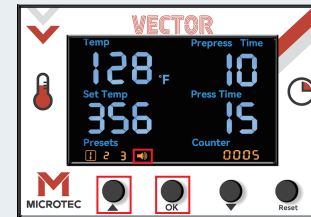
2. Adjusting Prepress Time: Tap **OK** again to select "Prepress Time". Use ▲ and ▼ to adjust.



3. Adjusting Press Time: Tap **OK** a third time to select "Press Time". Use ▲ and ▼ to adjust.



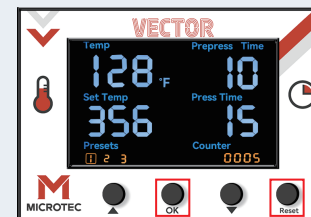
4. Saving Changes: Tap **OK** once more to save the settings for the preset and begin execution. Note: If you modify values during active operation without entering the full menu, it may not permanently overwrite the stored preset value.



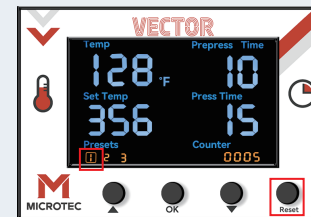
5. Speaker/Buzzer Settings: From the main interface, press and hold ▲ + **OK** simultaneously for 3 seconds to toggle the speaker icon. The default setting is OFF.

○ **Icon ON:** The buzzer sounds 3 seconds before the countdown ends and continues until the press is opened.

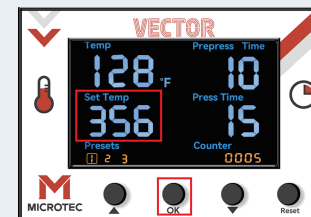
○ **Icon OFF:** The buzzer sounds exactly at 0



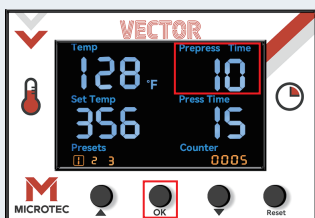
6. Preset Menu Access: Press and hold **OK** + **RESET** for 3 seconds to enter the settings menu for presets [1], [2], and [3].



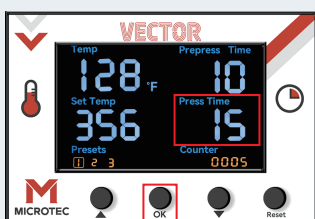
7. Switching Presets in Menu: While a preset number (e.g., [1]) is flashing, tap **RESET** to switch between [1], [2], and [3].



8. When the preset [1] icon is flashing : Tap the **OK** key to make the "Set Temp" value for preset [1] flash, then tap the ▲ and ▼ keys to adjust the value.

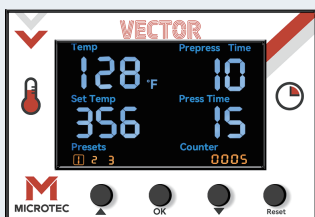


9. Tap the **OK** key again to set the "Prepress Time" for preset **[1]**. Tap the **▲** and **▼** keys to adjust the value.



10. Tap the **OK** key again to set the "Press Time" for preset **[1]**. Tap the **▲** and **▼** keys to adjust the value. At this point, if you tap the **OK** key again, the changes to the values for preset **[1]** will be saved and you will exit the menu.

Note: The operation methods for **[1]**, **[2]**, and **[3]** are consistent with the descriptions above.



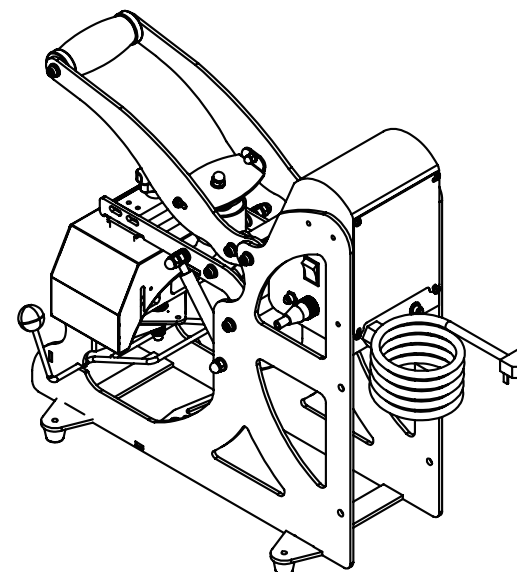
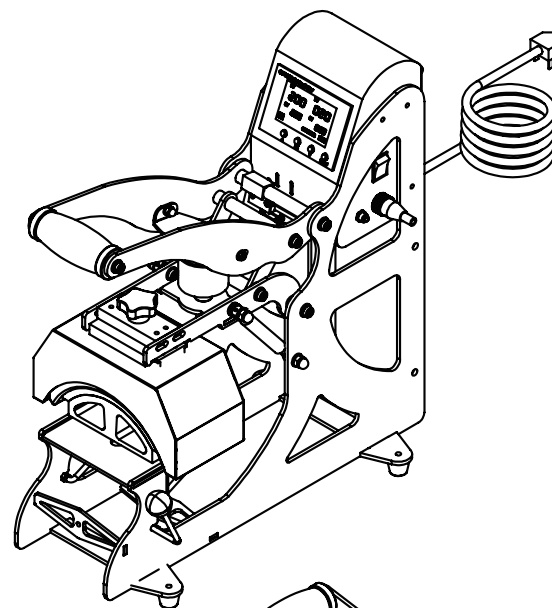
11. Adjustment Ranges:

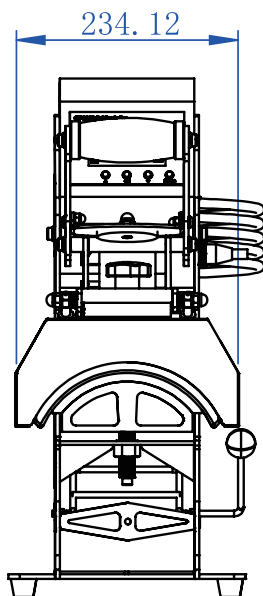
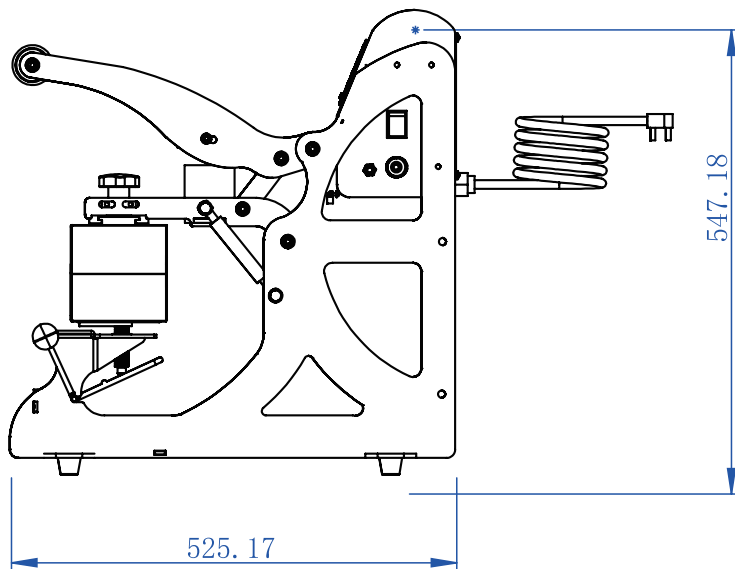
- **Prepress Time:** 0 ~ 999 seconds.
- **Press Time:** 0 ~ 999 seconds.
- **Temperature:** 0 ~ 446 °F.

● For further instructions, please contact your supplier.

2.6 Equipment external dimensions

(Refer to the technical drawings in your original document for specific measurements.)





Circuit Diagram

(Refer to your original document for the diagram layout.)

