



# VECTOR

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**Model: V15/20-SW**

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# V15/20-SW User Manual

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## Overview

### 1.1 Equipment Overview

Thank you for choosing our manual V-SW series swing-away heat press! Please read this manual carefully before use to ensure proper operation. Keep this manual in a safe place for future reference. Please note that depending on the configuration, some models may not include all features listed here; refer to your specific model's functional interface for details.

### 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:

|                           |                       |                         |
|---------------------------|-----------------------|-------------------------|
| MODEL NO.                 | V1515-SW              | V1620-SW                |
| Controller                | GY-06N                | GY-06N                  |
| Amp\Voltage\Power\phase   | 12.5A\120V\1500W,60HZ | 14.2A\120 V\1700W, 60HZ |
| Time Range(S)             | 0~999                 | 0~999                   |
| Temperature Range(°F)     | 0~446                 | 0~446                   |
| Heating plate size (Inch) | 14.9*14.9             | 15.7*19.6               |

Appearance and Functions

2.1 Exterior View

(Please refer to the images in your original document for labels 1 through 8.)



## 2.2 Component Names and Functions

- 1.Power Cord:** Provides power to the entire machine.
- 2.Reset Fuse:** Automatically cuts power if the current rises abnormally. Once the issue is resolved, press the black center plunger to reset.
- 3.Power Switch:** Turns the machine on and off.
- 4.Pressure Adjustment Knob:** Adjusts the amount of pressure applied during transfer.
- 5.GY-06N Controller:** Controls heating and transfer settings.
- 6.Limit Switch:** Triggers the GY-06N controller to start the countdown.
- 7.Swing-Away Handle:** Used to rotate the heating head away to easily place materials on the base plate.
- 8.Heat Plate Press Handle:** Used to press the heat plate down for transfer and lift it once finished

## 2.3 Operation

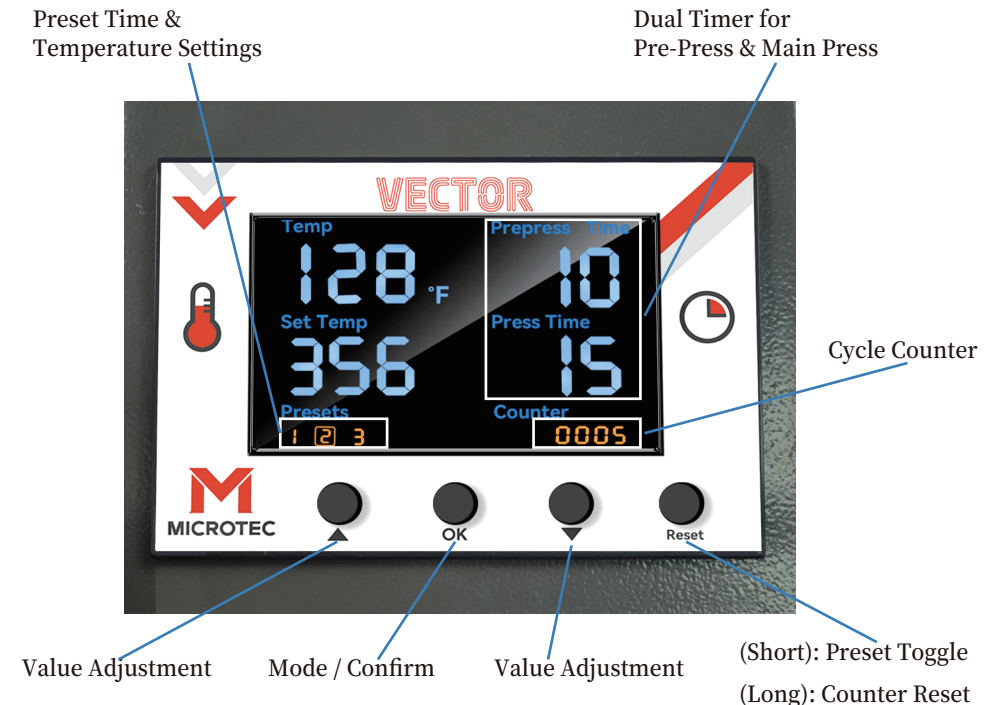
### Operating Steps:

- 1.** Plug the machine into a 120V AC power (as per voltage requirements **[1]**) and flip the power switch **[3]** to the ON position.
- 2.** Use the swing-away handle **[7]** to move the heat plate aside and place your material on the base plate.
- 3.Initial Pressing:**
  - When the heat plate reaches the set temperature for the first time, you will hear a "BB" alarm.
  - Use both hands to press the heat plate down; the controller will trigger the "B" beep, and the "Prepress Time" countdown will begin.
  - When the timer reaches 0, the alarm sounds. Lift the handle to complete the initial press. Note: The cycle counter will not increase yet.

### 4.Main Pressing:

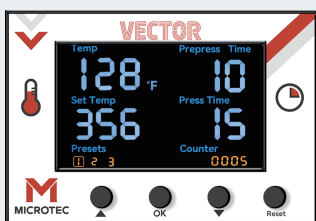
- Load your final transfer materials, press down again, and the "Press Time" countdown will begin after the "B" beep.
- When it reaches 0, the alarm sounds. Lift the handle to finish. The cycle counter will now increase by 1 (e.g., 0001).
- **Dual Timers:** The two timers loop. You can set "Prepress Time" to 0 if you only want to use the "Press Time" function.
- **Resetting the Counter:** On the main interface, long-press the **RESET** button for 2 seconds until "Counter" flashes. Continue holding for 5 seconds to reset the value to 0000.

## 2.4 GY-06N LCD Digital Controller

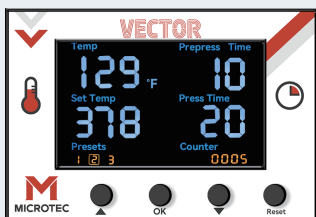


## 2.5 GY-06N Temperature Controller Instructions

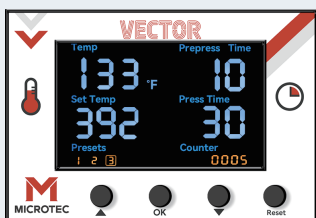
**2.5.1 Selecting Presets:** On the main interface, tap the **RESET** key to toggle between memory presets **[1]** , **[2]** , and **[3]** . The selected preset will be outlined on the display. The screen will show the set temperature and time for that preset, while "Temp" shows the actual current temperature.



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.



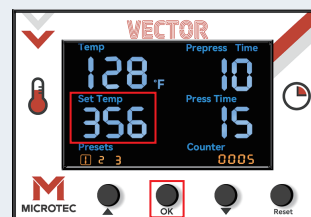
The image below shows that Preset **[2]** is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.



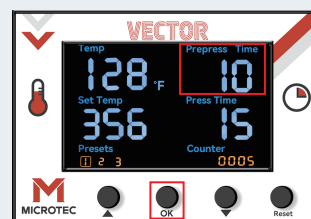
The image below shows that Preset **[3]** is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.

## 2.5.2 Adjusting Settings

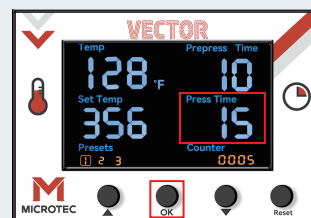
Once a preset is selected, follow these steps to customize the temperature and time:



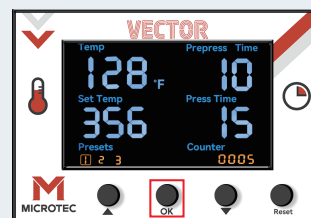
**1.Adjusting Temperature:** Tap **OK**; the "Set Temp" for the current preset will flash. Use the ▲ and ▼ keys to adjust the value.



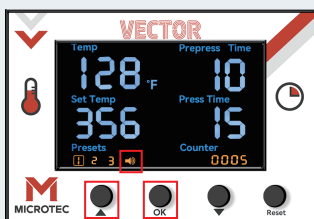
**2.Adjusting Prepress Time:** Tap **OK** again to select "Prepress Time". Use ▲ and ▼ to adjust.



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



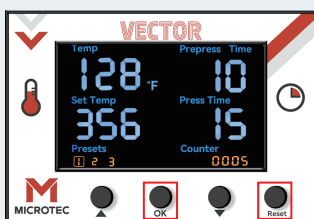
**4.Saving Changes:** Tap **OK** once more to save the settings for the preset and begin execution. Note: If you modify values during active operation without entering the full menu, it may not permanently overwrite the stored preset value.



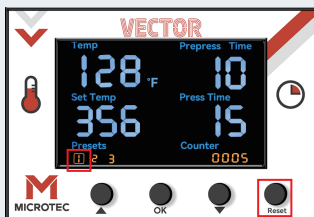
**5. Speaker/Buzzer Settings:** From the main interface, press and hold ▲ + OK simultaneously for 3 seconds to toggle the speaker icon. The default setting is OFF.

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

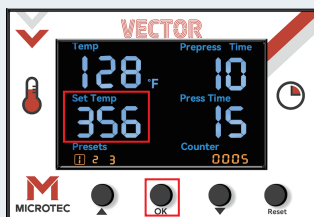
○ **Icon OFF:** The buzzer sounds exactly at 0



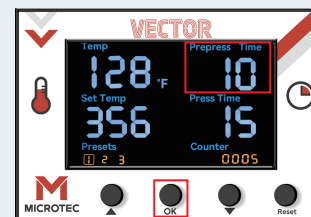
**6. Preset Menu Access:** Press and hold OK + RESET for 3 seconds to enter the settings menu for presets [1], [2], and [3].



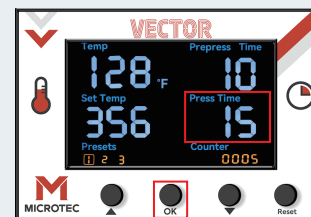
**7. Switching Presets in Menu:** While a preset number (e.g., [1]) is flashing, tap RESET to switch between [1], [2], and [3].



**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.

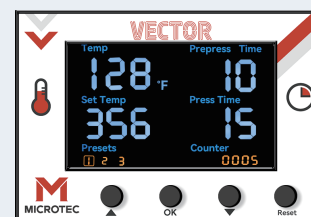


**9.** Tap the OK key again to set the "Prepress Time" for preset [1]. Tap the ▲ and ▼ keys to adjust the value.



**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:**

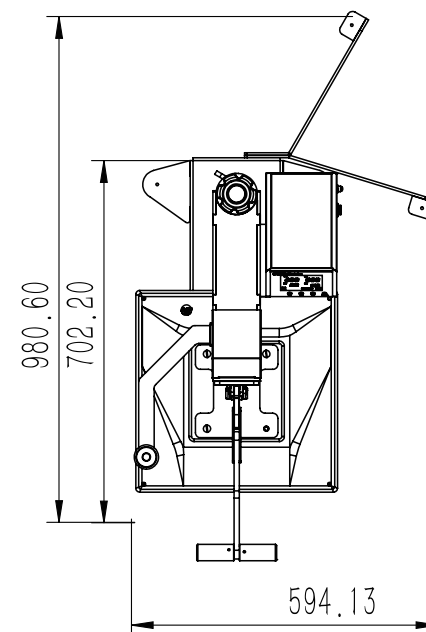
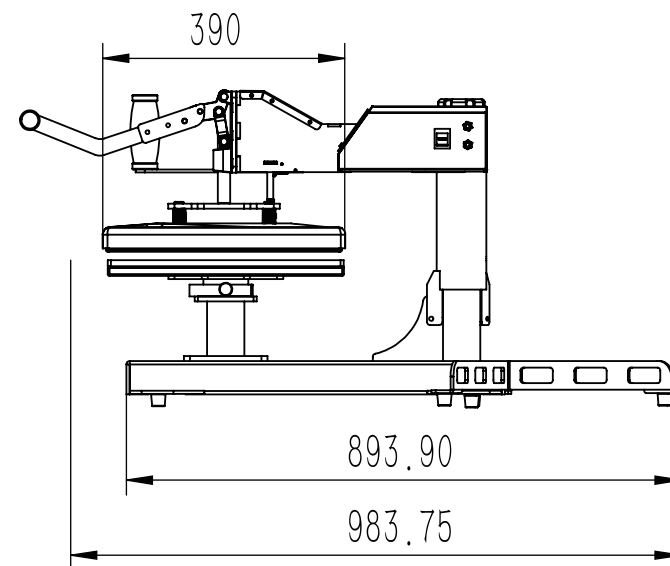
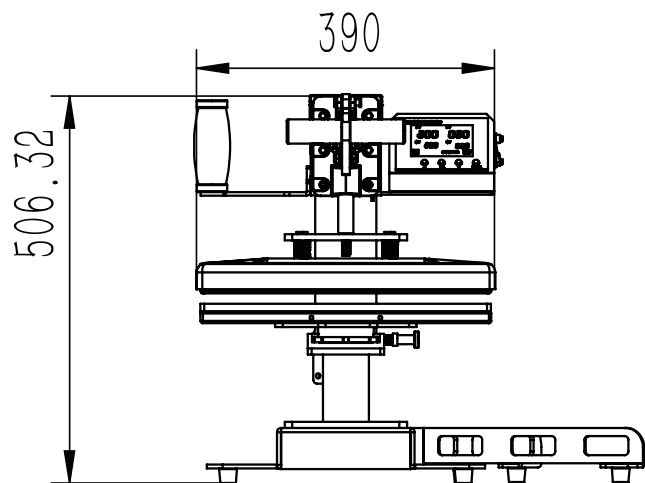
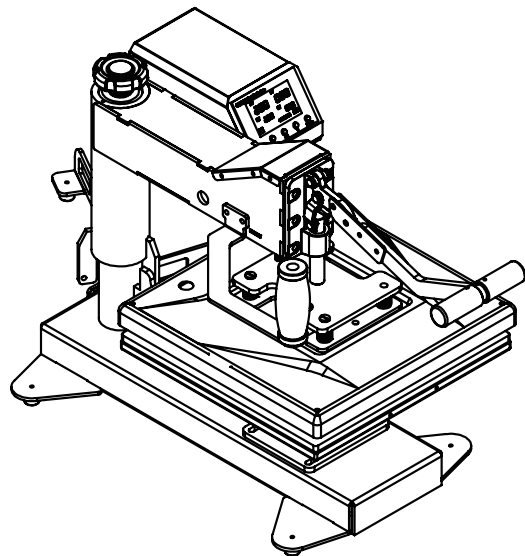
- **Prepress Time:** 0 ~ 999 seconds.
- **Press Time:** 0 ~ 999 seconds.
- **Temperature:** 0 ~ 446 °F.

● **For further instructions, please contact your supplier.**

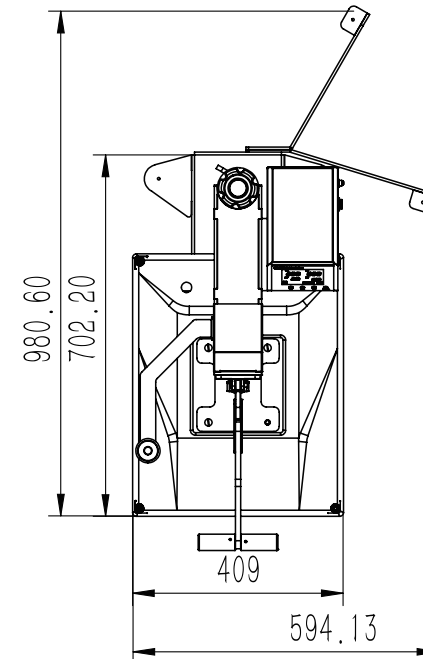
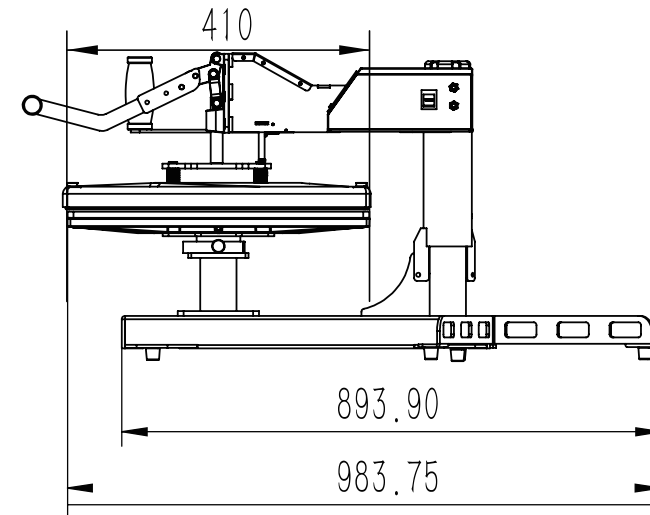
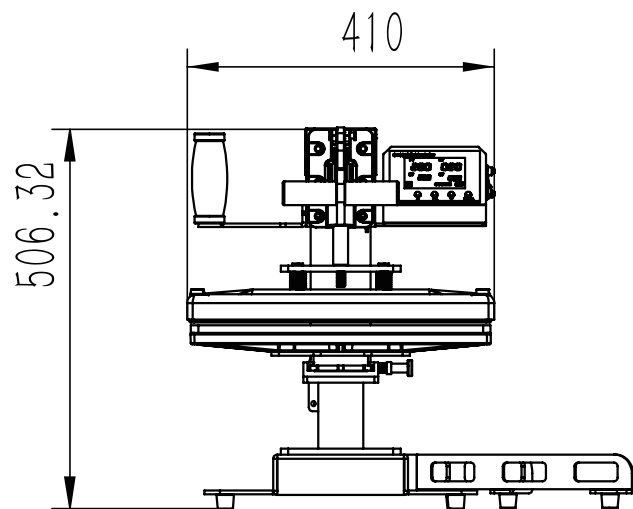
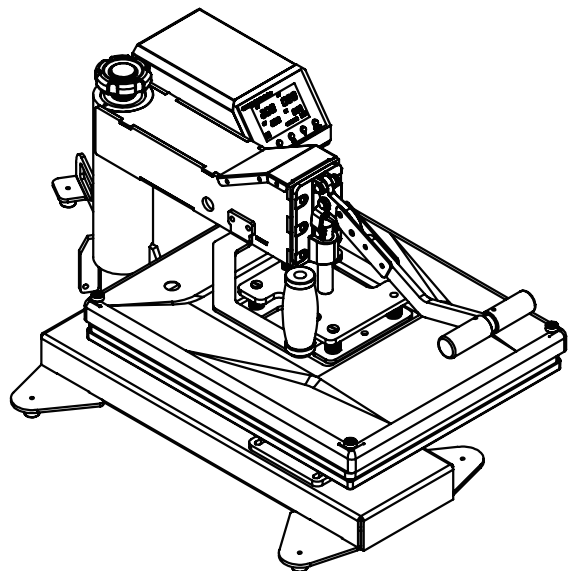
## 2.6 Equipment external dimensions

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

2.6.1 The following dimension diagrams are for model: V1515-SW



2.6.2 The following dimension diagrams are for model: V1620-SW



## Circuit Diagram

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

