



VECTOR

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Model: V1620-A2

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V1620-A2 Series User Manual

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Overview

1.1 Equipment Overview

Thank you very much for choosing our manual dual-station V1620-A2 series heat press machine! Please read this user manual carefully before use to ensure proper operation. Please keep this manual in a safe place for quick reference at any time.

Due to variations in configuration, some machines may not include all the features listed in this manual. Please refer to your specific model's operational features for definitive 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.

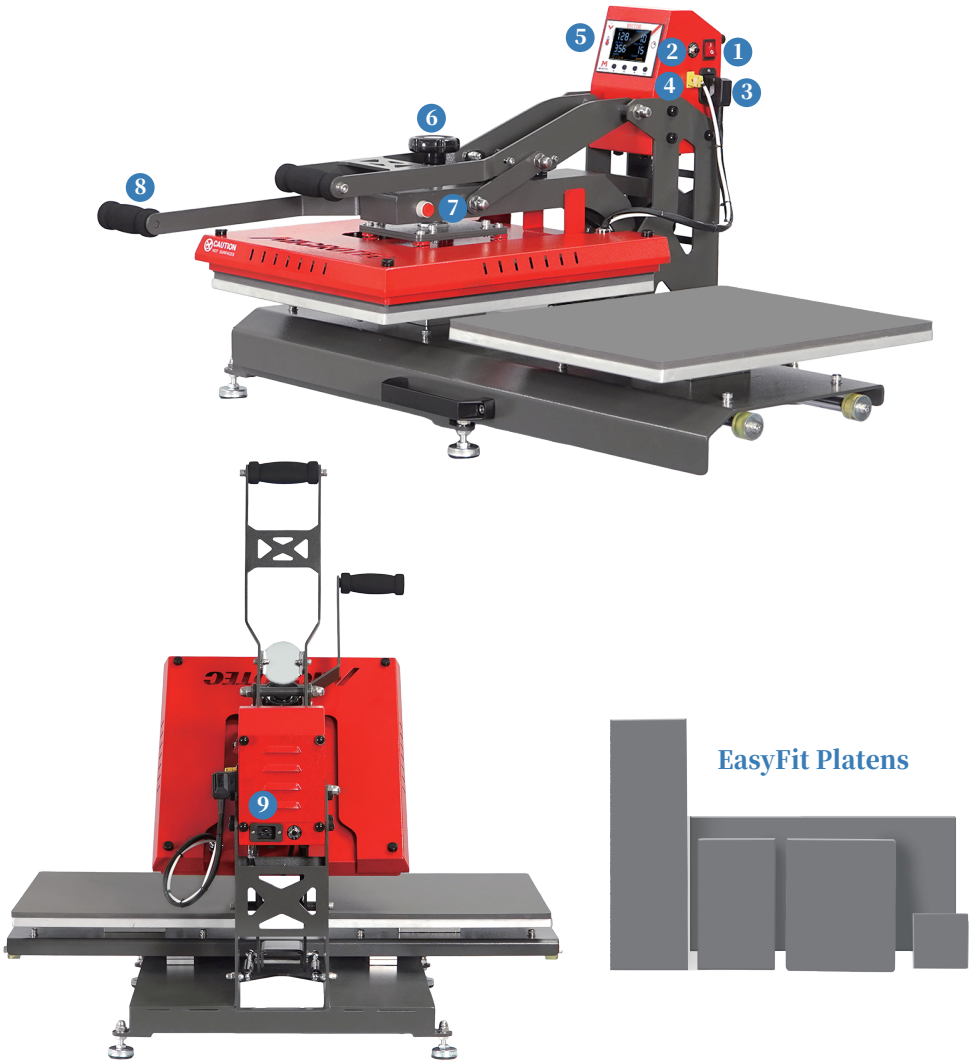
1.4-2 Technical Parameters:

Parameter	Specification
Model No.	V1620-A2
Controller	GY-06N
Amp \ Voltage \ Power \ Phase	14.2A \ 120V \ 1700W, 60Hz
Time Range (S)	0 ~ 999
Temperature Range (°F)	0 ~ 446
Heating Platen Size (in)	15.7 × 19.6

Appearance and Functions

2.1 Exterior View

(Please refer to the images in your original document for labels 1 through 9.)



2.2 Component Names and Functions

1.Power Switch: Turns the machine power on and off.

2.2 & 10. Resettable Circuit Breaker (Fuse): Automatically pops out to cut off power if the machine current rises abnormally. Once the machine returns to normal, it can be pressed down to resume operation.

3.Heating Platen Terminal Block: Supplies power to the heating platen.

4.Temperature Sensor Terminal Block: Detects the temperature of the heating platen.

5.GY-06N Temperature Controller: Controls machine heating and transfer processes.

6.Pressure Adjustment Knob: Adjusts the pressure applied during transfer operations.

7.Emergency Stop Switch: Press during the transfer process to automatically lift the heating platen and stop the operation.

8.Auxiliary Press Handle: Assists in comfortably pressing down the heating platen.

9.Power Cord Socket: Supplies main power to the entire machine.

2.3 Operation

Operating Steps:

1.Connect to an AC 120V power supply according to the machine's voltage requirements, then turn on the power switch.

2.Place the transfer material onto the lower platen. (The two stations can be used alternately in a cycle)

3.When the heating plate reaches the set temperature for the first time, a "BB" beep will sound. Center the ball inside the base plate, use both hands on the handle to press down and close the heating plate, and activate the control panel to initiate the transfer process:

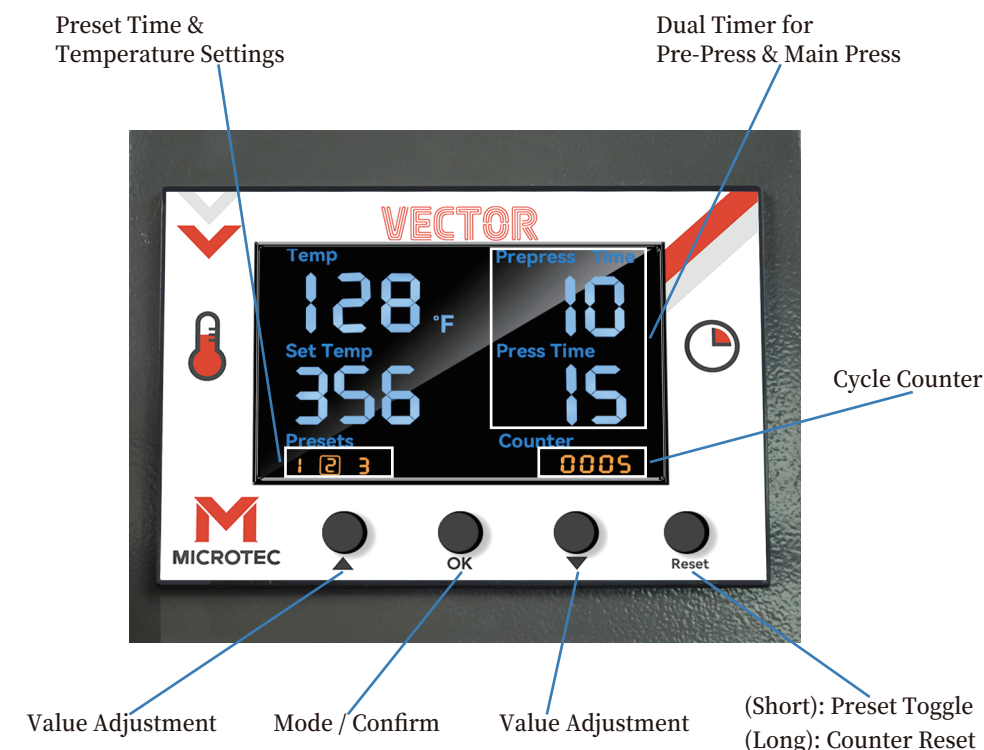
- The buzzer will beep once ("B"), and the **"Prepress Time"** countdown will begin. When the countdown reaches 0, the buzzer sounds, the countdown ends, and the heating plate opens automatically to complete the transfer. The cycle counter in the lower-right corner does not increment during this step.

- Place a new ball onto the base plate, use both hands to close the heating plate, and the buzzer will beep once ("B") as the **"Press Time"** countdown begins. When the countdown reaches 0, the buzzer sounds, the countdown ends, and the heating plate opens automatically to complete the transfer. The counter in the lower-right corner increments by 1 (e.g., changes to 0001).

- These two countdown timers cycle sequentially; you can set "Prepress Time" to 0 to only use "Press Time";

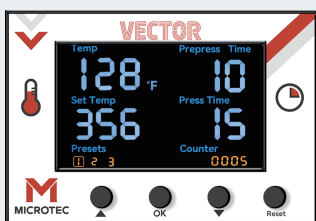
4.From the main interface, press and hold the **"RESET"** key for 2 seconds until "Counter" flashes. After 5 seconds, the current count value resets to 0000.

2.4 GY-06N LCD Digital Controller

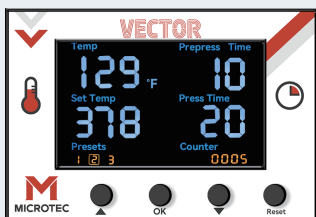


2.5 GY-06N Temperature Controller Instructions

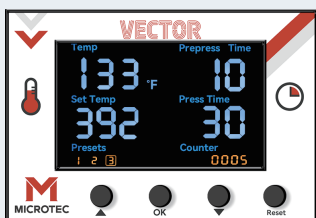
2.5.1 Selecting Presets: On the main interface, tap the **RESET** key to toggle between memory presets **[1]** , **[2]** , and **[3]** . The selected preset will be outlined on the display. The screen will show the set temperature and time for that preset, while "Temp" shows the actual current temperature.



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.



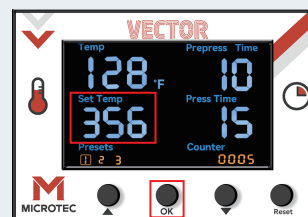
The image below shows that Preset **[2]** is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.



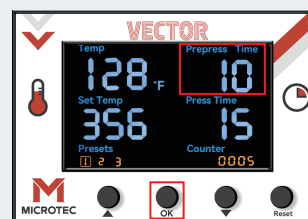
The image below shows that Preset **[3]** is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.

2.5.2 Adjusting Settings

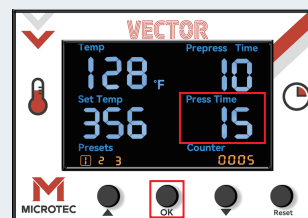
Once a preset is selected, follow these steps to customize the temperature and time:



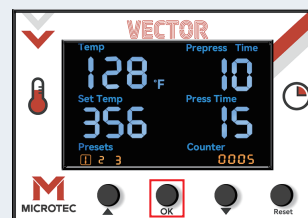
1.Adjusting Temperature: Tap **OK**; the "Set Temp" for the current preset will flash. Use the ▲ and ▼ keys to adjust the value.



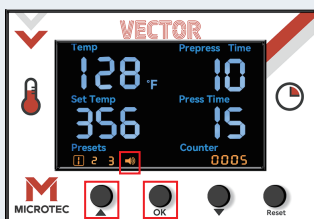
2.Adjusting Prepress Time: Tap **OK** again to select "Prepress Time". Use ▲ and ▼ to adjust.



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



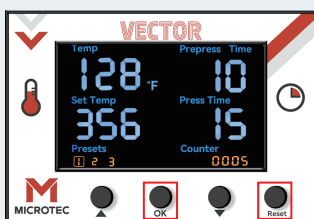
4.Saving Changes: Tap **OK** once more to save the settings for the preset and begin execution. Note: If you modify values during active operation without entering the full menu, it may not permanently overwrite the stored preset value.



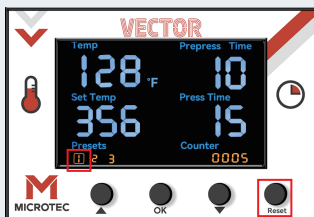
5. Speaker/Buzzer Settings: From the main interface, press and hold ▲ + OK simultaneously for 3 seconds to toggle the speaker icon. The default setting is OFF.

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

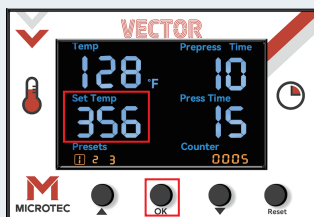
○ **Icon OFF:** The buzzer sounds exactly at 0



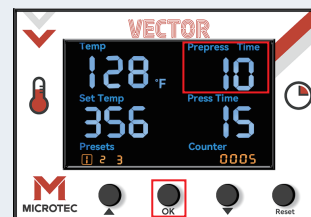
6. Preset Menu Access: Press and hold OK + RESET for 3 seconds to enter the settings menu for presets [1], [2], and [3].



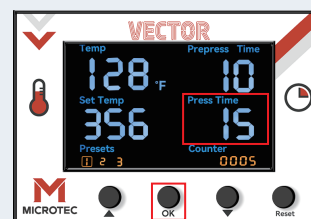
7. Switching Presets in Menu: While a preset number (e.g., [1]) is flashing, tap RESET to switch between [1], [2], and [3].



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.

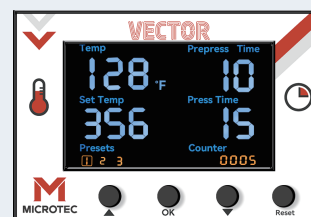


9. Tap the OK key again to set the "Prepress Time" for preset [1]. Tap the ▲ and ▼ keys to adjust the value.



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.



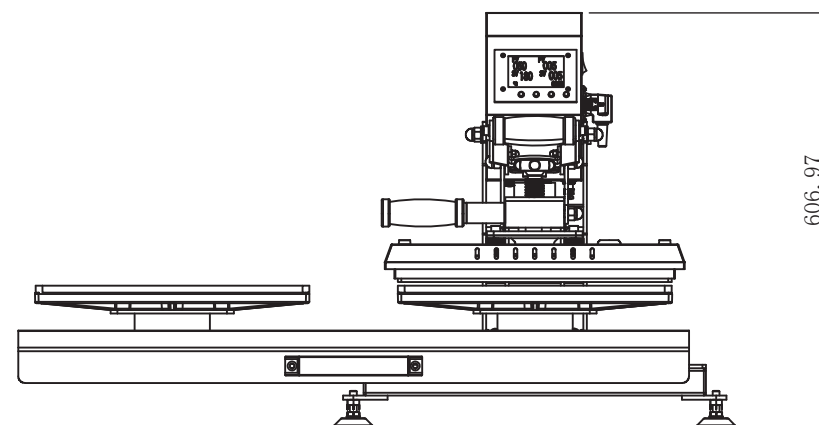
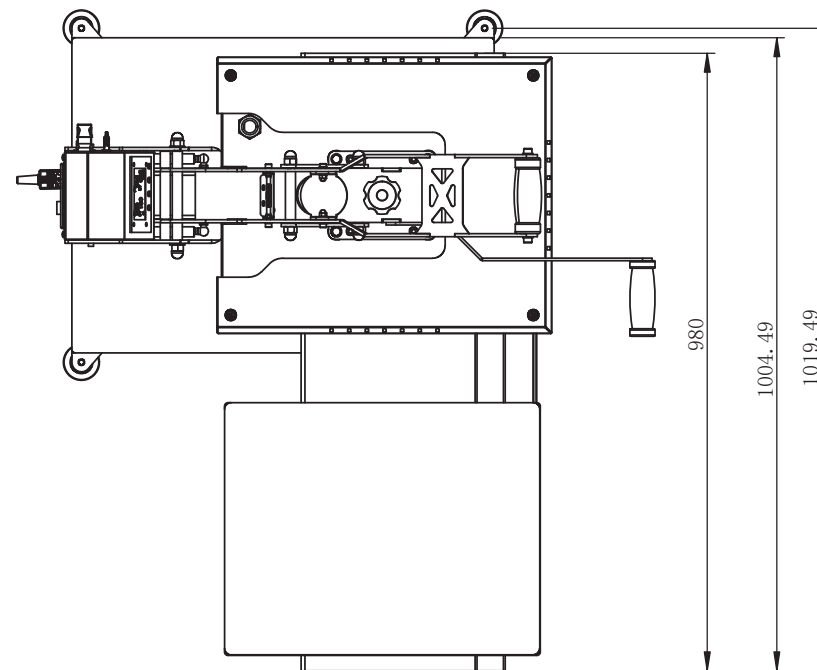
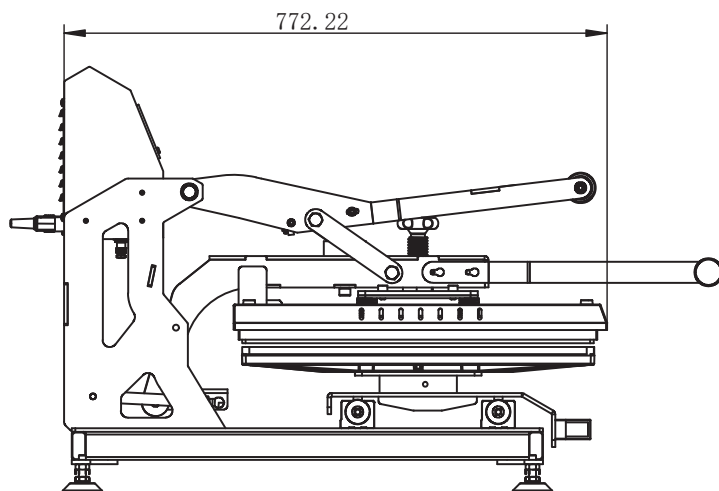
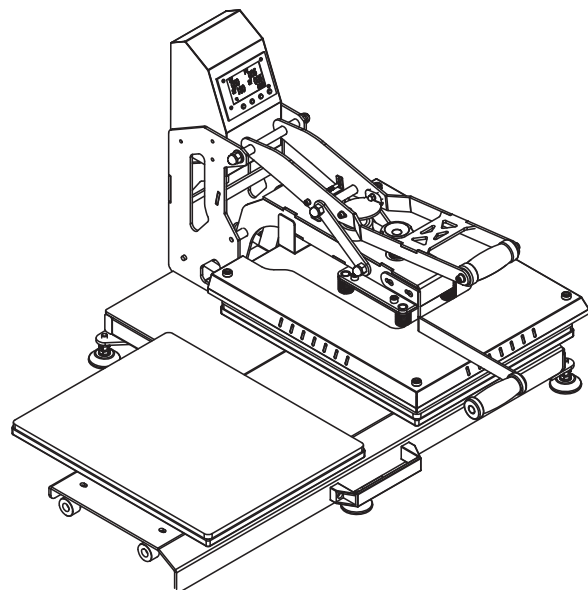
11. Adjustment Ranges:

- **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.)

