



VECTOR

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**Model:** V15/20/24 Pro-AS

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# V15/20/24 Pro-AS User Manual

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## Overview

### 1.1 Equipment Overview

Thank you for choosing our manual V Pro-AS series heat transfer machine! Please read this manual carefully before use to ensure proper operation. Keep this manual in a safe place for future reference. Due to different configurations, some models may not have all the functions listed in this manual; please refer to your specific machine's functionality.

### 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.                   | V1515Pro-AS               | V1620Pro-AS               | V1624Pro-AS               |
|-----------------------------|---------------------------|---------------------------|---------------------------|
| Controller                  | GY-06N                    | GY-06N                    | GY-06N                    |
| Amp\Voltage\<br>Power\Phase | 12.5A\120V\1500W,<br>60HZ | 14.2A\120V\1700W,<br>60HZ | 14.2A\120V\1700W,<br>60HZ |
| Time Range (S)              | 0 – 999                   | 0 – 999                   | 0 – 999                   |
| Temperature<br>Range (°F)   | 0 – 446                   | 0 – 446                   | 0 – 446                   |
| Heating Plate Size (In)     | 14.9 * 14.9               | 15.7 * 19.6               | 15.7 * 23.6               |

Appearance and Functions

2.1 Exterior View

V1515Pro-AS: 15×15



V1515Pro-AS: 16×20



V1515Pro-AS: 16×24



EasyFit Platens



(Please refer to the images in your original document for labels 1 through 7.)



## 2.2 Component Names and Functions

1. **GY-06N Temperature Controller:** Controls machine heating and heat transfer;
2. **Fuse:** Cuts off the machine power when the current rises abnormally;
3. **Power Cord:** Supplies power to the entire machine;
4. **Power Switch:** Turns the machine power on and off;
5. **Magnetic Switch:** Triggers the GY-06N controller to start the countdown;
6. **Emergency Stop Switch:** Press during the transfer process to automatically open the heating platen and stop operation;
7. **Pressure Adjustment Knob:** Adjusts the pressure during heat transfer.

## 2.3 Operation

### Operating Steps:

1. Based on the machine's voltage requirements, plug the power cord **[3]** into an AC 120V power outlet and turn on the power switch **[4]** ;

2. Pull out the lower platen, place the material to be transferred onto it, and slide it back into position;

3. **3.1.** When the heating platen reaches the set temperature for the first time, a "BB" beep will sound. Use both hands to press down the heating platen to start the temperature controller's transfer process:

The buzzer will beep once ("B"), and the "Prepress Time" countdown will begin. When the countdown reaches 0, the buzzer will sound, the countdown ends, and the heating platen will automatically lift up to complete the transfer. The cycle counter in the bottom right corner will not count.

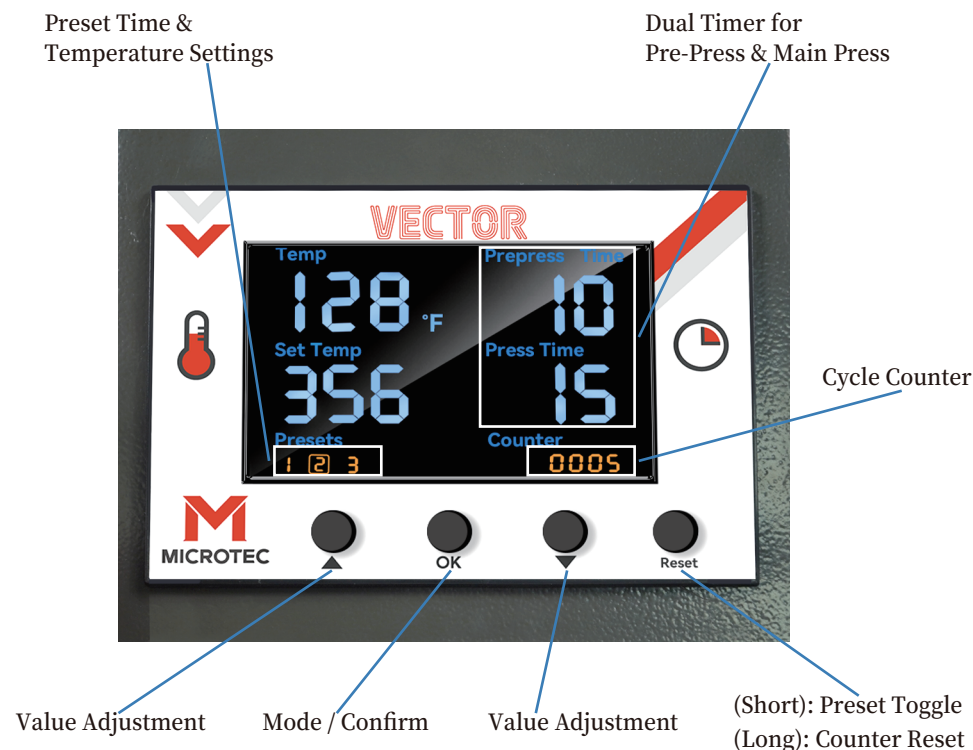
**3.2.** Place the material to be transferred onto the lower platen again, and press down the heating platen using both hands. The buzzer will beep once ("B"), and the "Press Time" countdown will begin. When the countdown reaches 0, the buzzer sounds, the countdown ends, and the heating platen automatically lifts up to complete the transfer. The cycle counter in the bottom right corner increments by 1 to "0001".

The two countdown timers cycle consecutively. You can set "Prepress Time" to 0 to only use "Press Time";

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

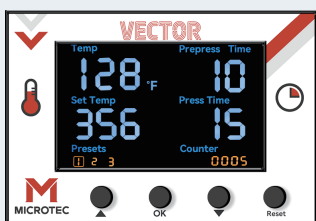
## 2.4 GY-06N LCD Digital Controller

(Refer to the interface diagram for layout details, including Preset Settings, Dual Timers, and Cycle Counter)

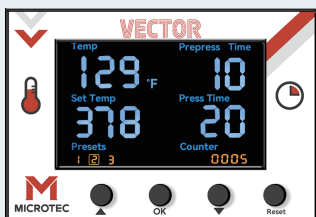


## 2.5 GY-06N Temperature Controller Instructions

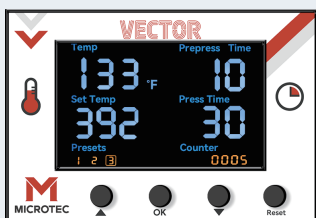
**2.5.1 Selecting Presets:** On the main interface, tap the **RESET** key to toggle between memory presets **[1]** , **[2]** , and **[3]** . The selected preset will be outlined on the display. The screen will show the set temperature and time for that preset, while "Temp" shows the actual current temperature.



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.



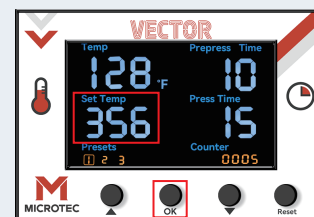
The image below shows that Preset **[2]** is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.



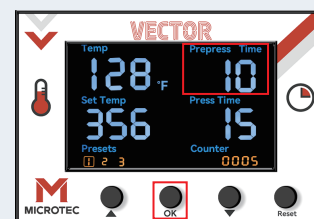
The image below shows that Preset **[3]** is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.

## 2.5.2 Adjusting Settings

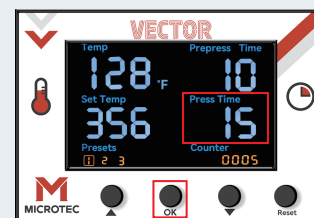
Once a preset is selected, follow these steps to customize the temperature and time:



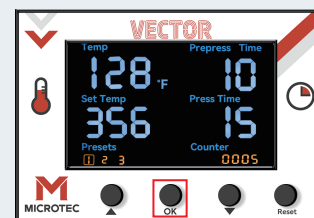
**1. Adjusting Temperature:** Tap **OK**; the "Set Temp" for the current preset will flash. Use the **▲** and **▼** keys to adjust the value.



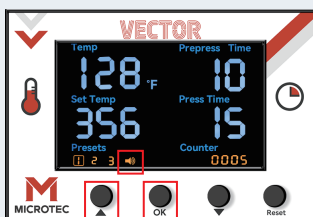
**2. Adjusting Prepress Time:** Tap **OK** again to select "Prepress Time". Use **▲** and **▼** to adjust.



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



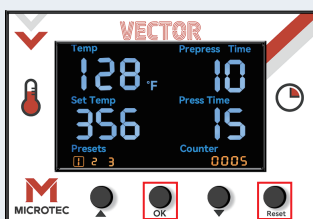
**4. Saving Changes:** Tap **OK** once more to save the settings for the preset and begin execution. Note: If you modify values during active operation without entering the full menu, it may not permanently overwrite the stored preset value.



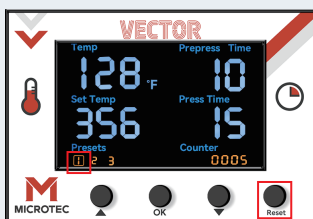
**5. Speaker/Buzzer Settings:** From the main interface, press and hold ▲ + OK simultaneously for 3 seconds to toggle the speaker icon. The default setting is OFF.

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

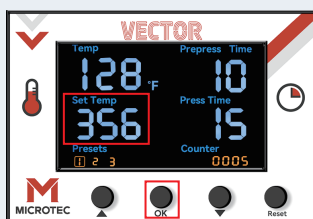
○ **Icon OFF:** The buzzer sounds exactly at 0



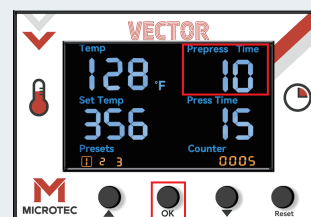
**6. Preset Menu Access:** Press and hold OK + RESET for 3 seconds to enter the settings menu for presets [1], [2], and [3].



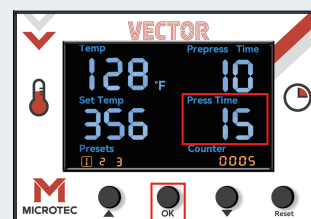
**7. Switching Presets in Menu:** While a preset number (e.g., [1]) is flashing, tap RESET to switch between [1], [2], and [3].



**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.

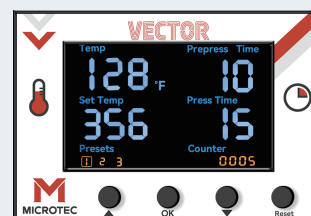


**9. Tap the OK key again to set the "Prepress Time" for preset [1].** Tap the ▲ and ▼ keys to adjust the value.



**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:**

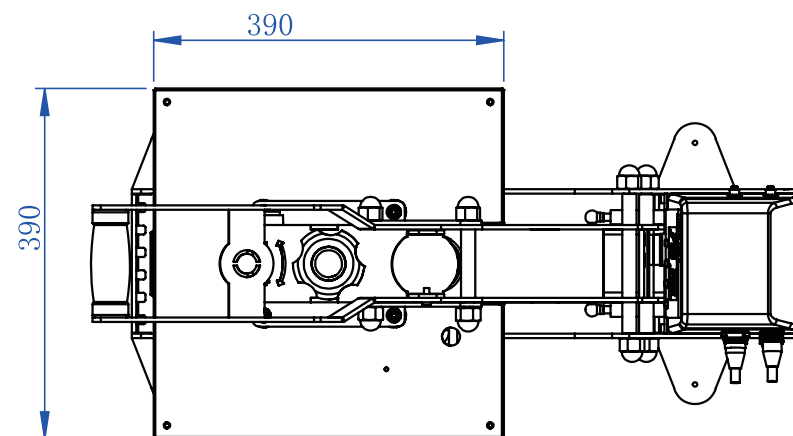
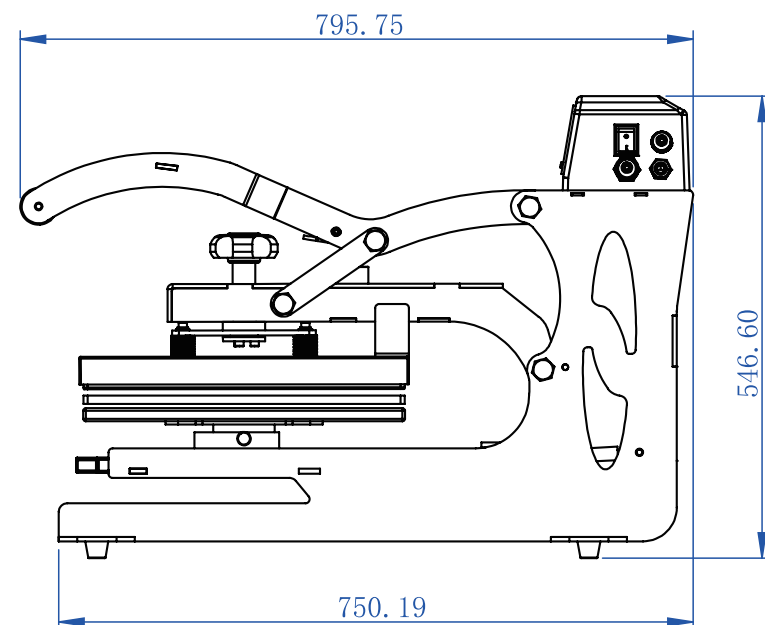
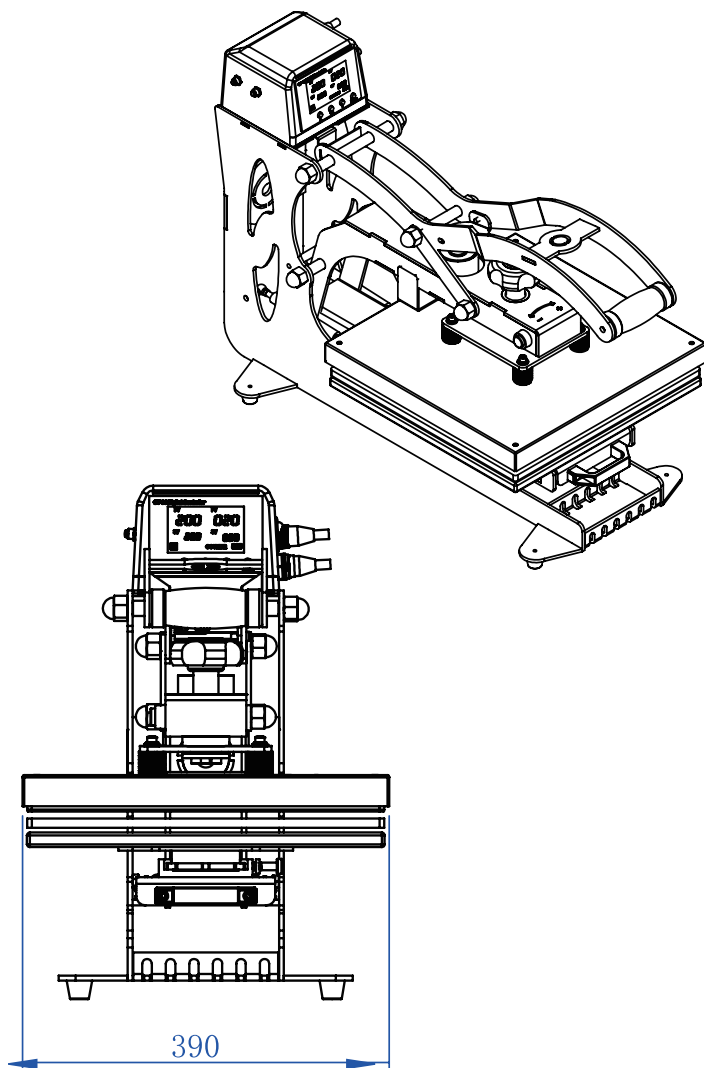
- **Prepress Time:** 0 ~ 999 seconds.
- **Press Time:** 0 ~ 999 seconds.
- **Temperature:** 0 ~ 446 °F.

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

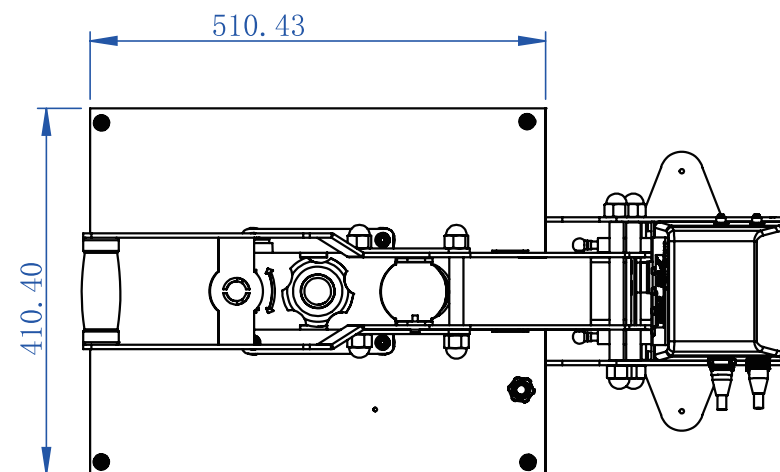
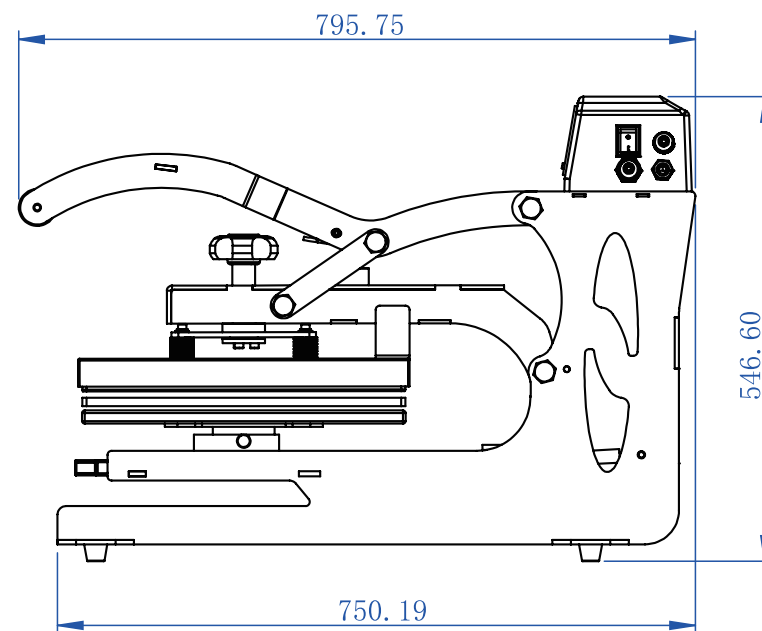
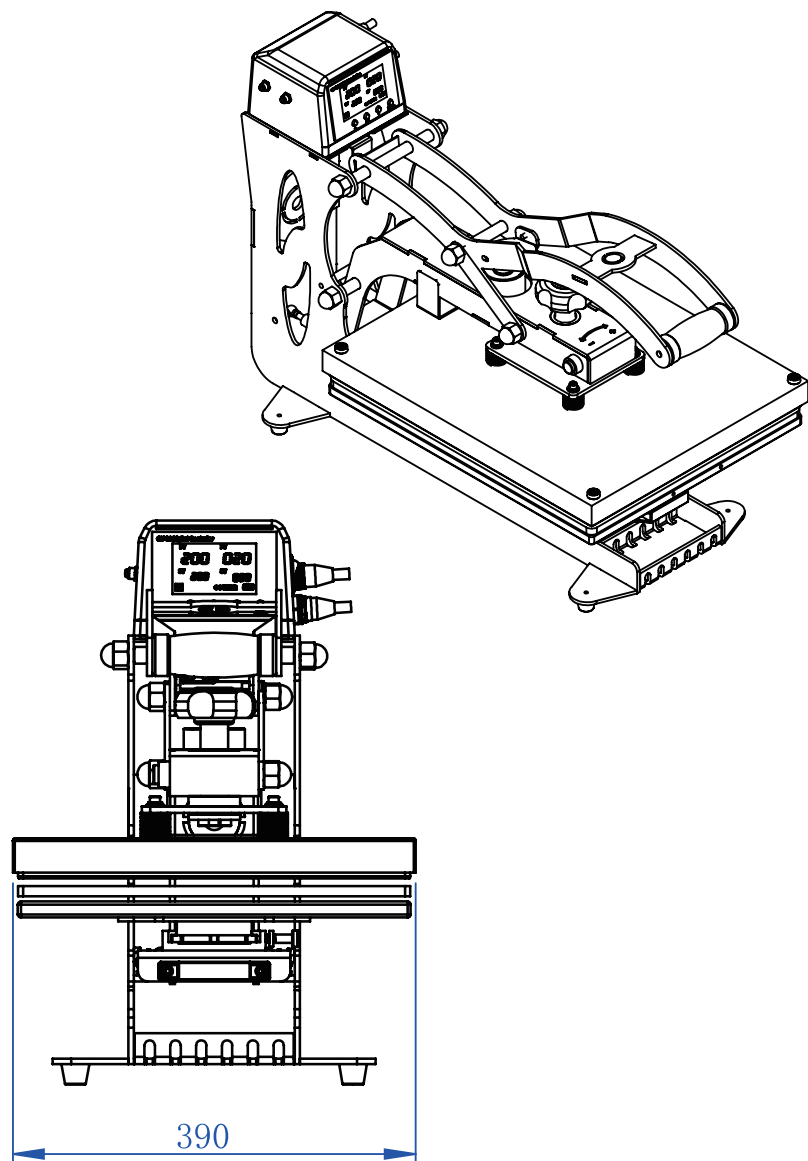
## 2.6 Equipment external dimensions

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

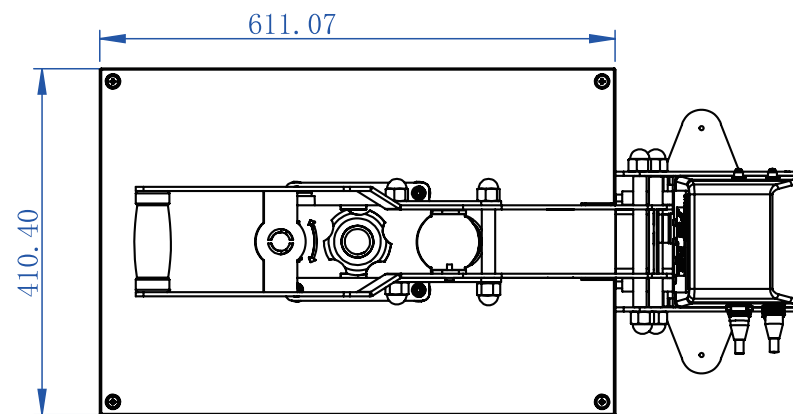
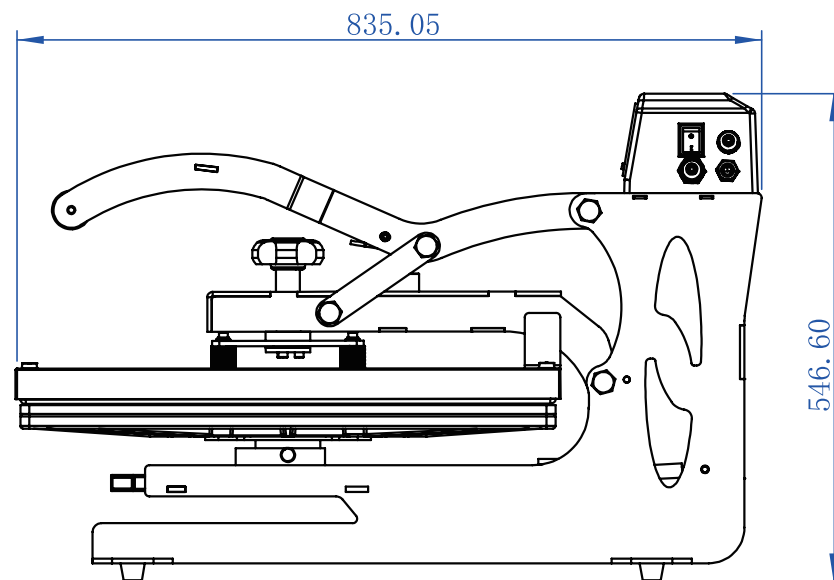
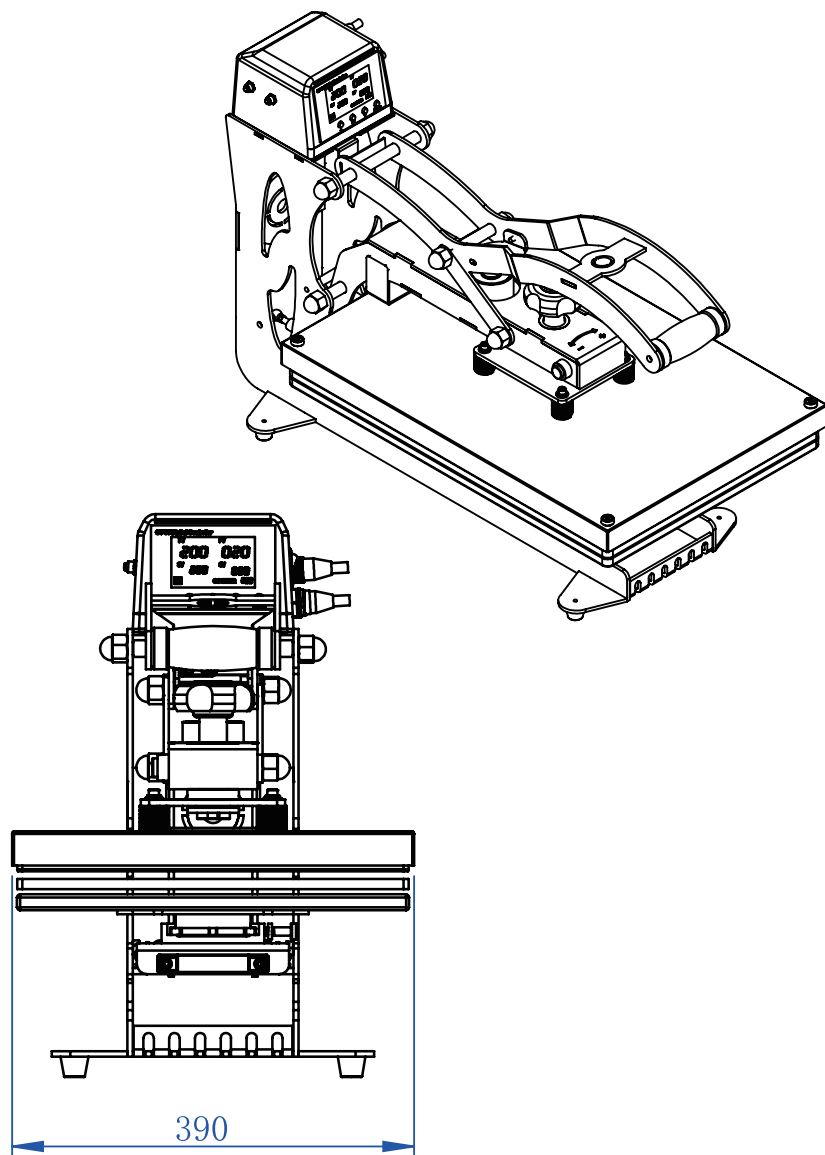
2.6.1 The following dimensional diagram applies to model: V1515Pro-AS



2.6.2 ●The following dimensional diagram applies to model: V1620Pro-AS



2.6.3 The following dimensional diagram applies to model: V1624Pro-AS



## Circuit Diagram

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

