VECTOR

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MICROTEC
USA

Model: V15/20/24-AS

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V15/20/24-AS User Manual

Contents

Overview

1.1 Equipment Overview

Thank you for choosing our manual V-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.	V1515-AS	V1620-AS	V1624-AS
Controller	GY-06N	GY-06N	GY-06N
Amp\Voltage\ Power\Phase	12.5A\120V\1500W, 60Hz	14.2A\120V\1700W, 60Hz	14.2A\120V\1700W, 60Hz
Time Range (S)	0 – 999	0 – 999	0 – 999
Temperature 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

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

15×15

16×20

16×24

2.2 Component Names and Functions

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

2.Self-Resetting Fuse: Cuts power if current rises abnormally. Once the issue is resolved, press the center black rod to reset.

3.GY-06N Controller: Controls heating and the transfer process.

4.Magnetic Switch: Triggers the GY-06N countdown.

5.Pressure Adjustment Knob: Adjusts the pressure applied during transfer.

6.Emergency Stop Switch: During a transfer, press this to automatically open the heat plate and stop the process.

7.Heat Plate Handle: Used to press the heat plate down for transfer.

8.Auxiliary Handle: Provides extra leverage when pressing down the heat plate.

2.3 Operation

Operating Steps:

1.Plug into an AC 120V outlet (as per voltage requirements) and turn on the Power **Switch【1】.**

2.Pull out the lower plate, place the transfer material on it, and push it back into position.

3.Initial Cycle: When the heat plate reaches the set temperature for the first time, a "beep" will sound. Press down the heat plate with both hands to start the controller:

○ A single beep sounds, and the **"Prepress Time"** countdown begins.

○ When it reaches 0, the buzzer sounds, the countdown ends, and the heat plate automatically lifts. The transfer is complete; the counter (bottom right) does **not** increase.

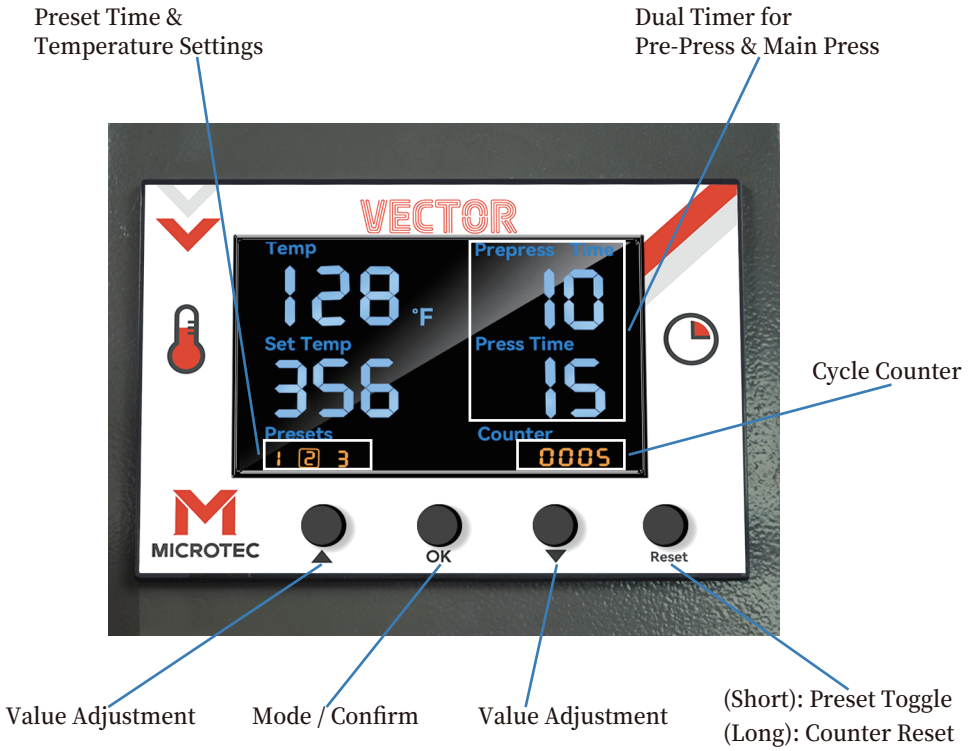
4.Second Cycle: Place the next material, press the plate down again, and a single beep sounds as the **"Press Time"** countdown starts.

○ When it reaches 0, the buzzer sounds, the plate lifts, and the counter (bottom right) increases by 1 (e.g., 0001).

Note: These two countdowns cycle. If you set **"Prepress Time"** to 0, only the "Press Time" will be used. To reset the counter, long-press **"RESET"** for 2 seconds until "Counter" flashes; after 5 seconds, it will return to 0000.

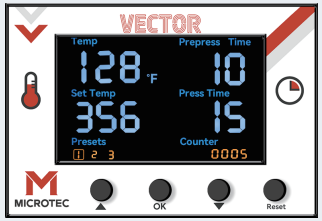
2.4 GY-06N LCD Digital Controller

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

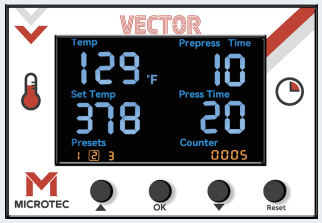


2.5 GY-06N Temperature Controller Instructions

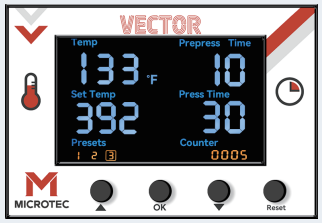
2.5.1 Selecting Presets: On the main interface, tap the **RESET** key to toggle between memory presets 【1】, 【2】, and 【3】. The selected preset will be outlined on the display. The screen will show the set temperature and time for that preset, while "Temp" shows the actual current temperature.



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.



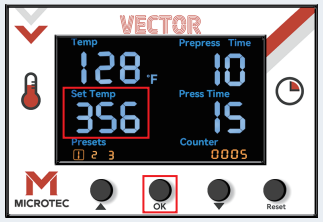
The image below shows that Preset【2】is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.



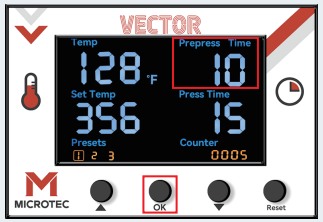
The image below shows that Preset【3】is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.

2.5.2 Adjusting Settings

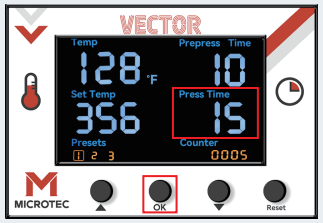
Once a preset is selected, follow these steps to customize the temperature and time:



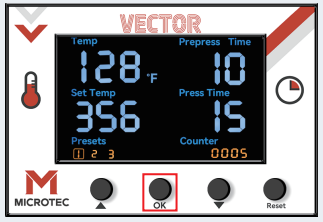
1.Adjusting Temperature: Tap **OK**; the "Set Temp" for the current preset will flash. Use the ▲ and ▼ keys to adjust the value.



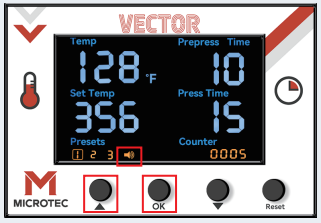
2.Adjusting Prepress Time: Tap **OK** again to select "Prepress Time". Use ▲ and ▼ to adjust.



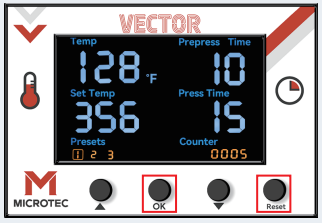
3.Adjusting Press Time: Tap **OK** a third time to select "Press Time". Use ▲ and ▼ to adjust.



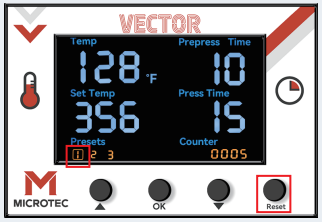
4.Saving Changes: Tap **OK** once more to save the settings for the preset and begin execution. Note: If you modify values during active operation without entering the full menu, it may not permanently overwrite the stored preset value.



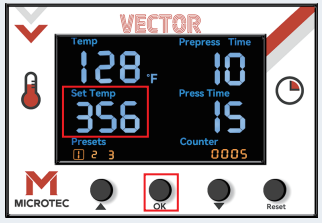
5. Speaker/Buzzer Settings: From the main interface, press and hold ▲ + **OK** simultaneously for 3 seconds to toggle the speaker icon. The default setting is OFF.
○ **Icon ON:** The buzzer sounds 3 seconds before the countdown ends and continues until the press is opened.
○ **Icon OFF:** The buzzer sounds exactly at 0



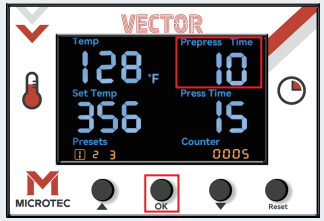
6.Preset Menu Access: Press and hold **OK** + **RESET** for 3 seconds to enter the settings menu for presets【1】, 【2】, and 【3】.



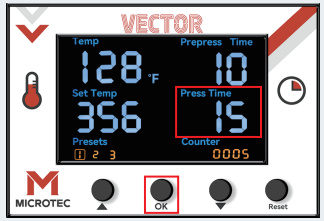
7.Switching Presets in Menu: While a preset number (e.g., 【1】) is flashing, tap **RESET** to switch between【1】, 【2】, and 【3】.



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.

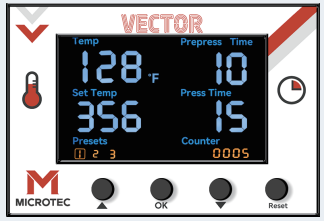


9.Tap the **OK** key again to set the "Prepress Time" for preset【1】. Tap the ▲and ▼ keys to adjust the value.



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.



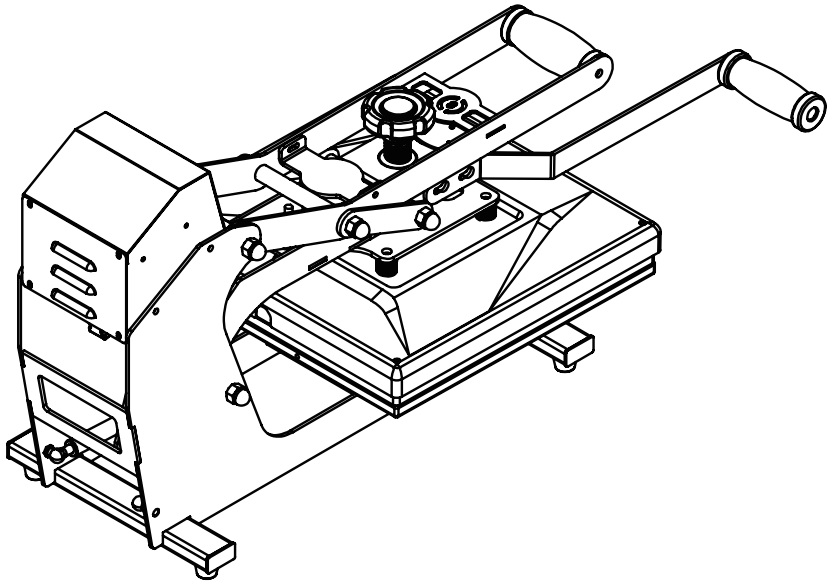
11.Adjustment Ranges:
○ **Prepress Time:** 0 ~ 999 seconds.
○ **Press Time:** 0 ~ 999 seconds.
○ **Temperature:** 0 ~ 446 °F.

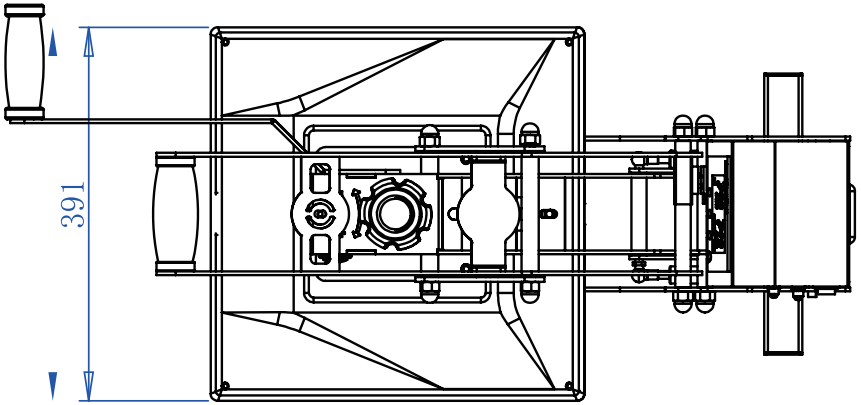
●**For further instructions, please contact your supplier.**

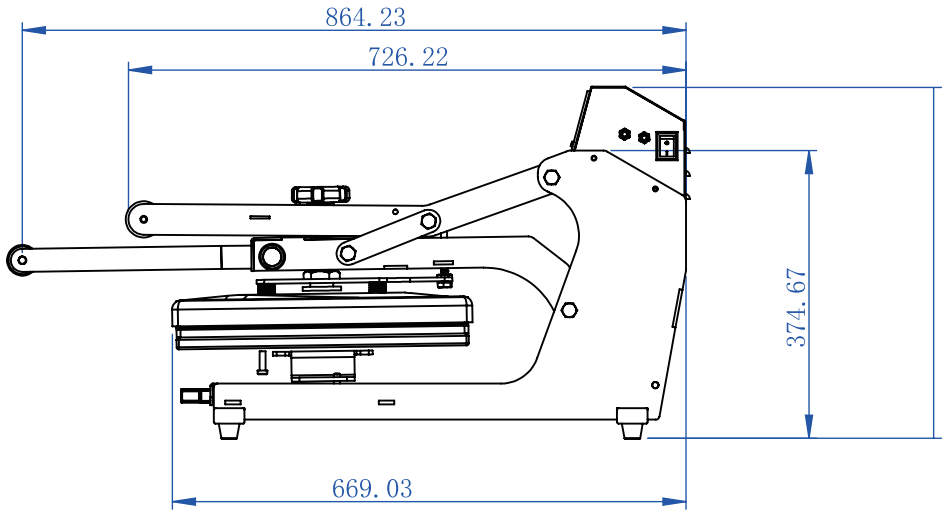
2.6 Equipment external dimensions

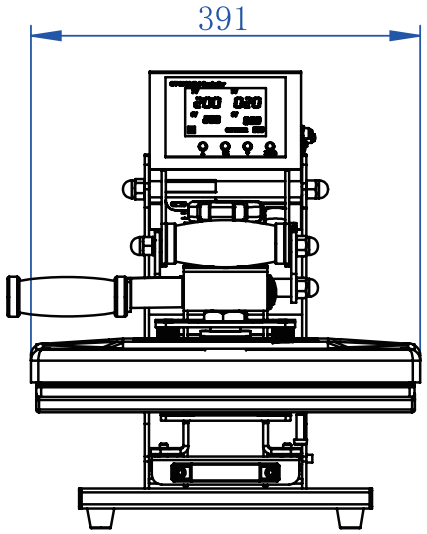
(Refer to the technical drawings in your original document for specific measurements.)

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

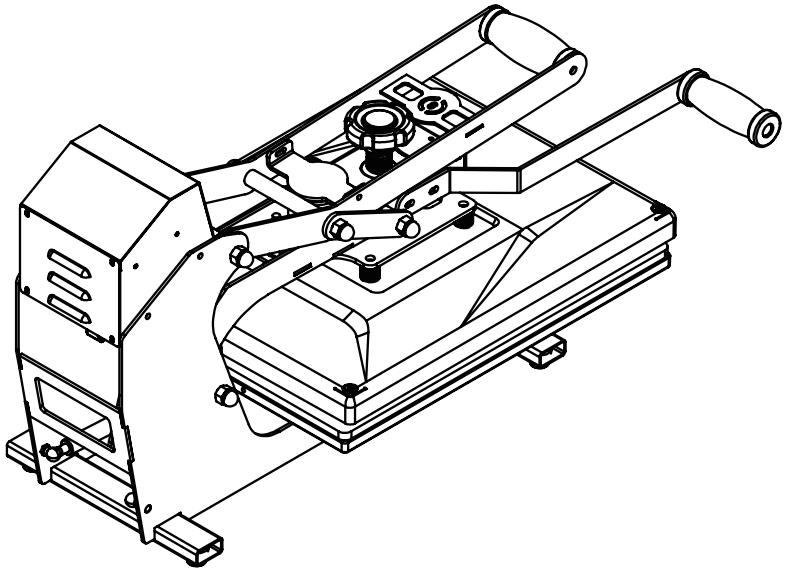


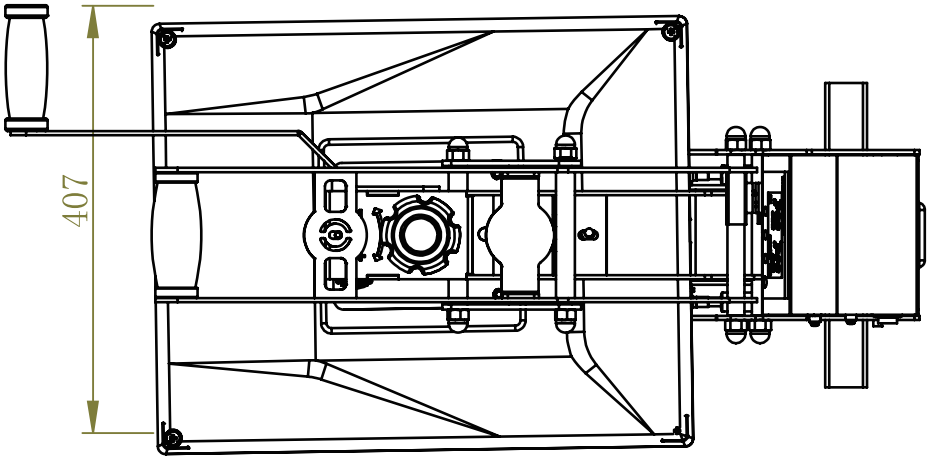


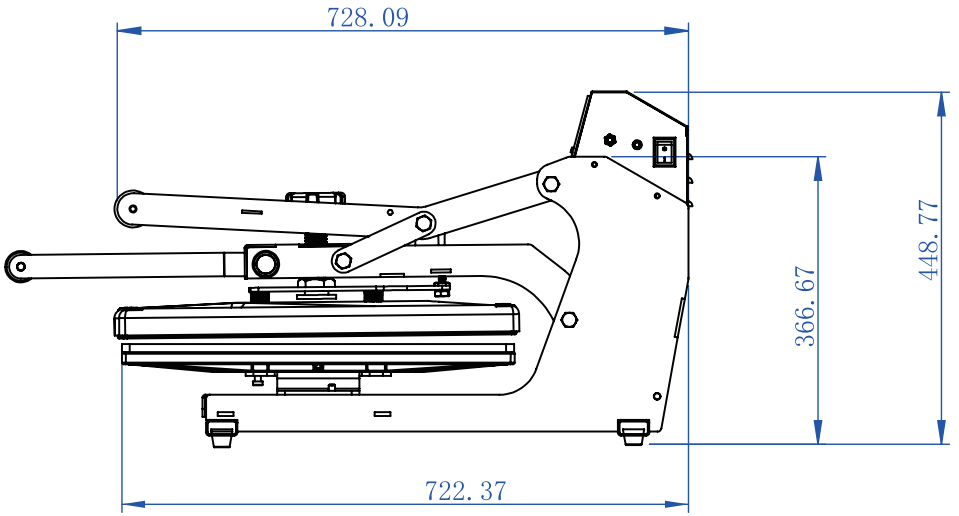


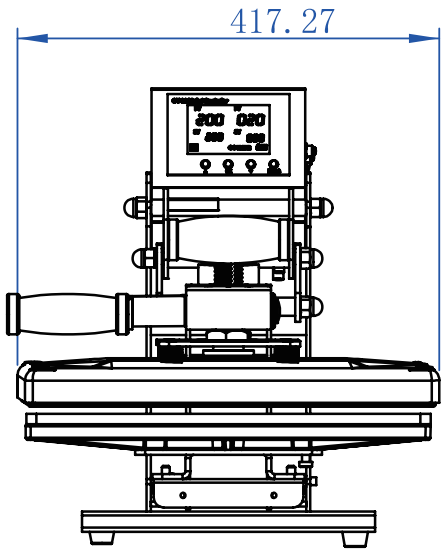


2.6.2 The following dimension diagrams are for model: V1620-AS

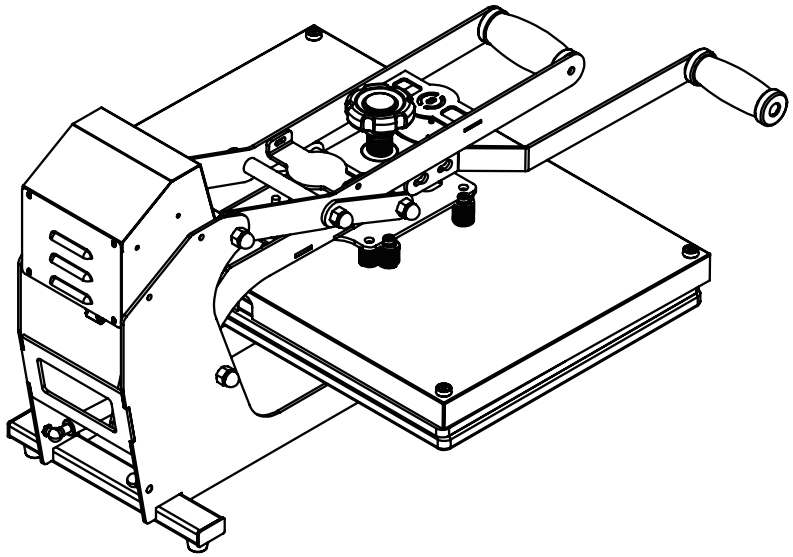


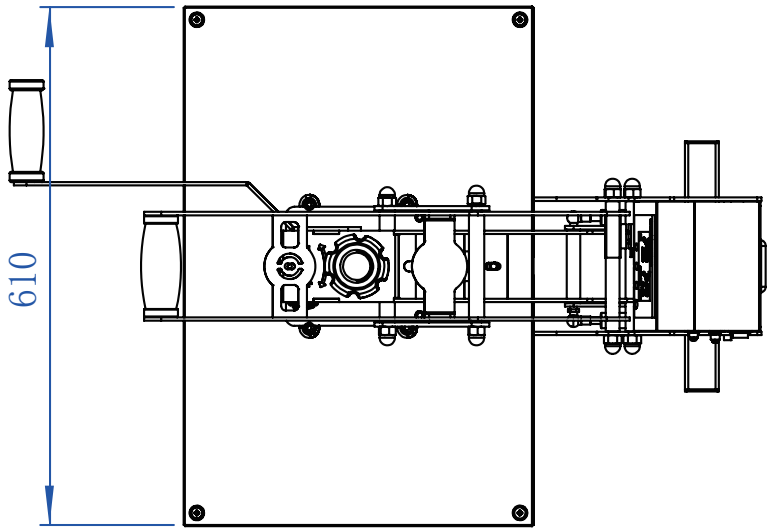


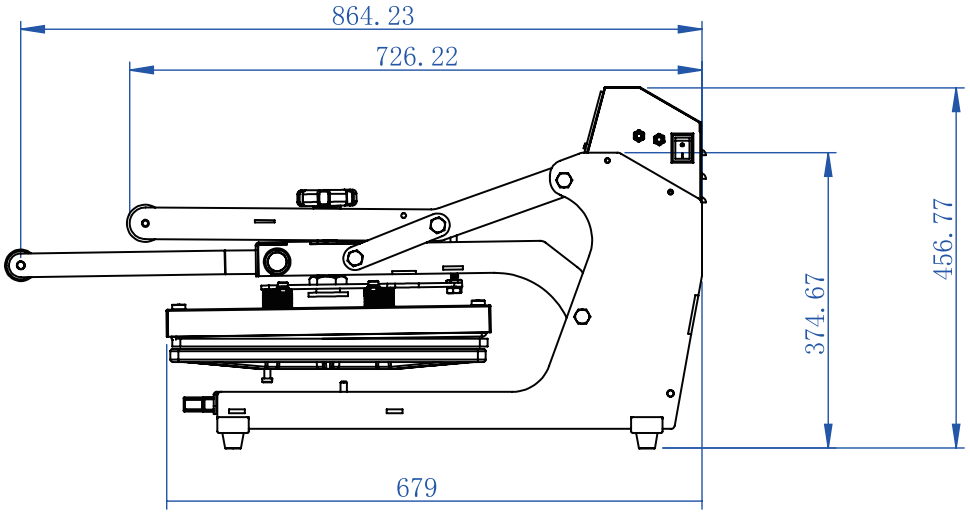


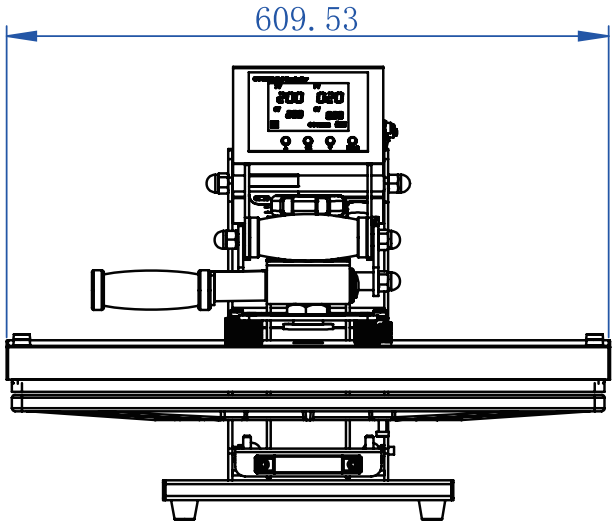


2.6.3 The following dimension diagrams are for model: V1624-AS









Circuit Diagram

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