# atlas

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MICROTEC
USA


# Model: AT32/40-AS

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# AT32/40-AS Series User Manual

## Contents





## Overview

### 1.1 Equipment Overview

Thank you very much for choosing our manual single-station AT32/40-AS series heat press!
Please read this user manual carefully before operation to ensure proper use.
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:

| MODEL NO. | AT32-AS | AT40-AS |
|---|---|---|
| Controller | GY-06N | GY-06N |
| Amp\Voltage\Power\phase | 20.5A/220V/4500W，60HZ | 18A/220V/3600W，60HZ |
| Time Range(S) | 0～999 | 0～999 |
| Temperature Range(°F) | 0～446 | 0～446 |
| Heating plate size（Inch） | 23.6*31.5 | 23.6*39.3 |



# Appearance and Functions

## 2.1 Exterior View

AT32-AS

AT40-AS

(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 the heat transfer process.

**2. Emergency Stop Switch:** Press during operation to pop up the heating plate and stop the heat transfer process immediately.

**3. Infrared Terminal Block:** Supplies power to the infrared alignment system.

**4. Pressure Adjustment Knob:** Adjusts the transfer pressure.

**5. Infrared Laser Guide:** Provides quick and convenient positioning for patterns and garments.

**6. Power Switch:** Turns the machine's power ON and OFF.

**7. Power Cord:** Supplies main power to the entire unit.

## 2.3 Operation

### Operating Steps:

**1.**Plug the unit into an AC 220V power outlet meeting the voltage requirements, then turn ON the power switch.

**2.**Pull out the lower bed/platen, adjust the infrared laser guide position, place your transfer material, and push the platen back into place.

**3.First-Time Press Sequence:** When the heating plate reaches the set temperature for the first time, a continuous "BB" beep will sound. Press down the heating plate using both hands to trigger the controller and start the transfer process:

- The buzzer will sound a single "B" beep, and the **"Prepress Time"** countdown will begin.
- Once the countdown reaches 0, the buzzer sounds, the countdown ends, and the heating plate automatically pops up to complete the press.
- **Note:** The cycle counter in the bottom right corner will not increment during this step.

**4.Subsequent Press Sequence:** Place the next transfer material onto the lower platen. Press down the heating plate using both hands.

- The buzzer will sound a single "B" beep, and the **"Press Time"** countdown will begin.

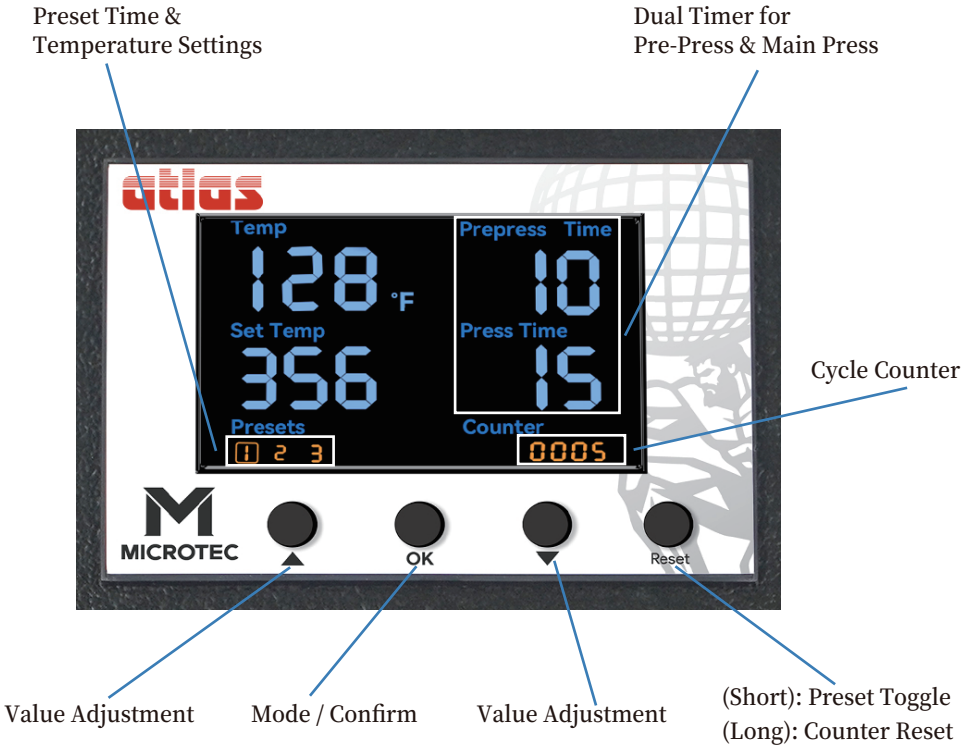
○ When the countdown reaches 0, the buzzer sounds, the countdown ends, and the heating plate automatically pops up to finish the transfer.

○ **Note:** The cycle counter in the bottom right corner will increment by 1 (e.g., changing to 0001).

● **Dual-Timer Cycle:** The two timers cycle sequentially. You can set the "Prepress Time" to 0 if you only want to use the main "Press Time."

● **Counter Reset:** On the main interface, press and hold the **"RESET"** button for 2 seconds until the "Counter" display flashes. Continue holding for a total of 5 seconds to reset the current count value to 0000.

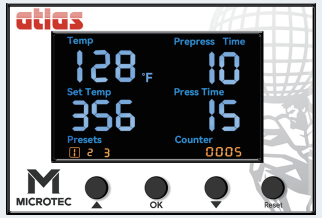
## 2.4 GY-06N LCD Digital Controller



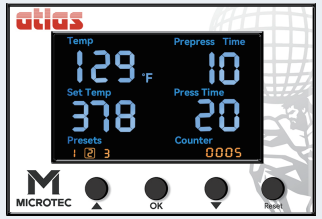



## 2.5 GY-06N Temperature Controller Instructions

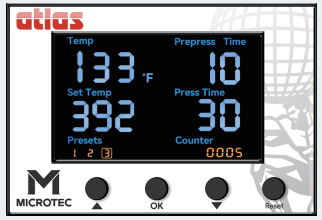
**2.5.1 Selecting Presets:** On the main interface, tap the **RESET** key to toggle between memory presets 【1】, 【2】, and 【3】. The selected preset will be outlined on the display. The screen will show the set temperature and time for that preset, while "Temp" shows the actual current temperature.




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.



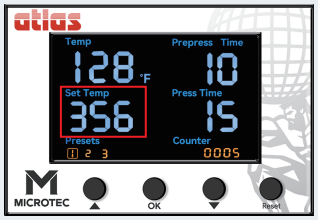

The image below shows that Preset【2】is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.



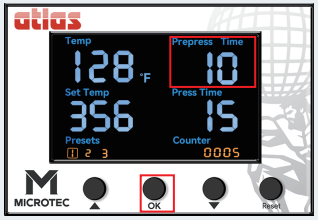

The image below shows that Preset【3】is selected; it displays the set temperature and time for the current memory group, while "Temp" indicates the actual current temperature value.

### 2.5.2 Adjusting Settings

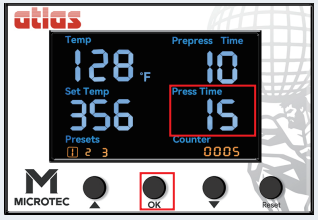
Once a preset is selected, follow these steps to customize the temperature and time:



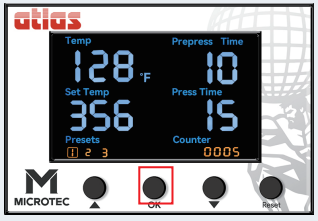

**1.Adjusting Temperature:** Tap **OK**; the "Set Temp" for the current preset will flash. Use the ▲ and ▼ keys to adjust the value.




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

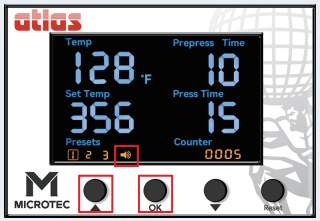



**3.Adjusting Press Time:** Tap **OK** a third time to select "Press Time". Use ▲ and ▼ to adjust.

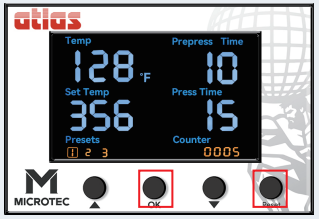



**4.Saving Changes:** Tap **OK** once more to save the settings for the preset and begin execution. Note: If you modify values during active operation without entering the full menu, it may not permanently overwrite the stored preset value.

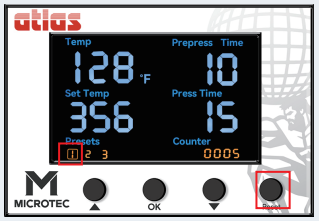




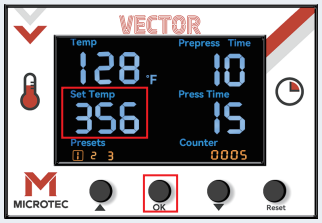

**5. Speaker/Buzzer Settings:** From the main interface, press and hold ▲ + **OK** simultaneously for 3 seconds to toggle the speaker icon. The default setting is OFF.
○ **Icon ON:** The buzzer sounds 3 seconds before the countdown ends and continues until the press is opened.
○ **Icon OFF:** The buzzer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



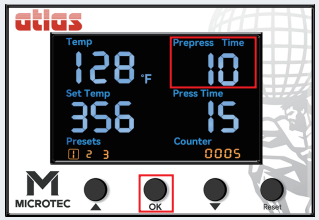

**6.Preset Menu Access:** Press and hold **OK** + **RESET** for 3 seconds to enter the settings menu for presets【1】, 【2】, and 【3】.



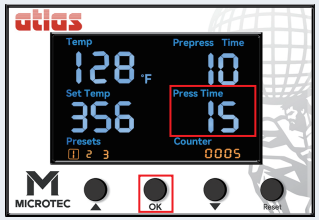

**7.Switching Presets in Menu:** While a preset number (e.g., 【1】) is flashing, tap **RESET** to switch between【1】, 【2】, and 【3】.




**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.

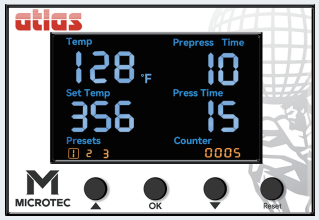



**9.**Tap the **OK** key again to set the "Prepress Time" for preset【1】. Tap the ▲and ▼ keys to adjust the value.




**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.

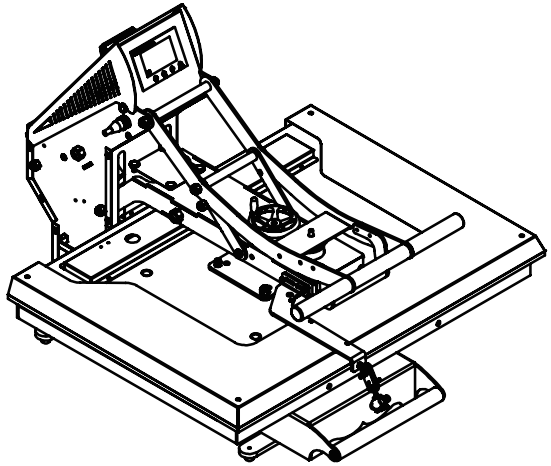
●For further instructions, please contact your supplier.

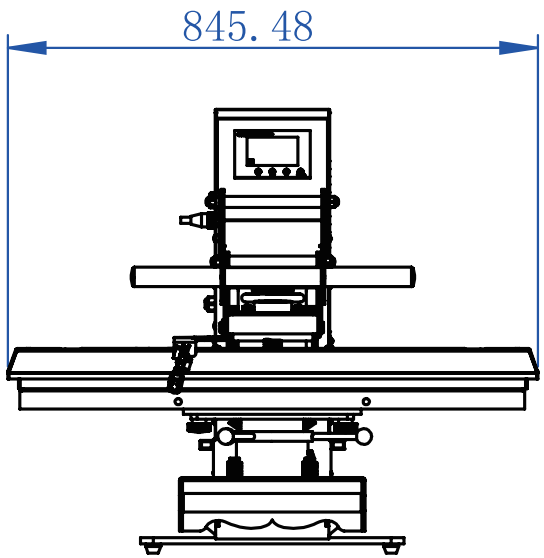


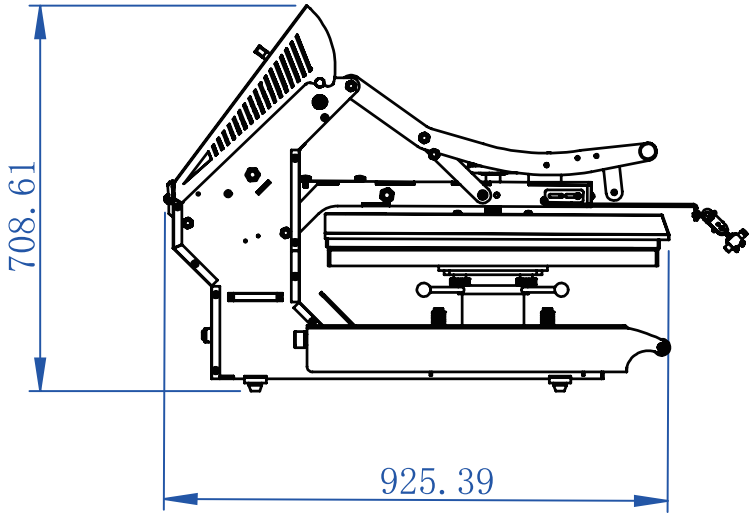
## 2.6 Equipment external dimensions

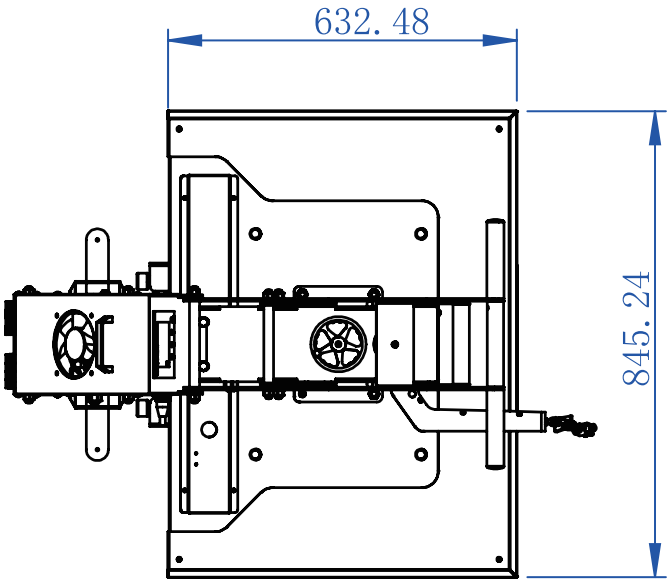
(Refer to the technical drawings in your original document for specific measurements.)

### 2.6.1 The following dimension diagrams are for model: AT32-AS



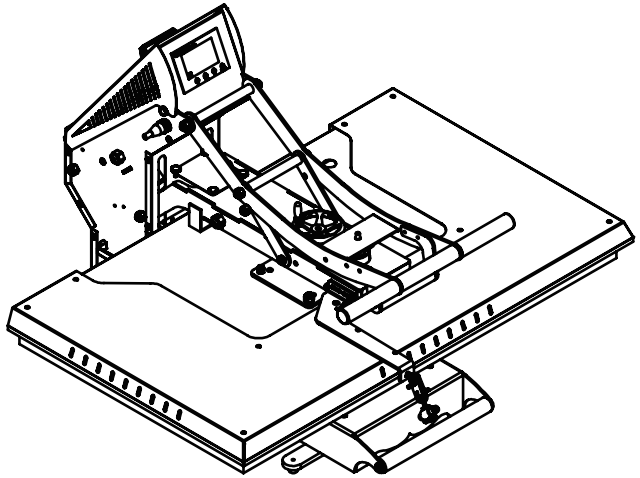


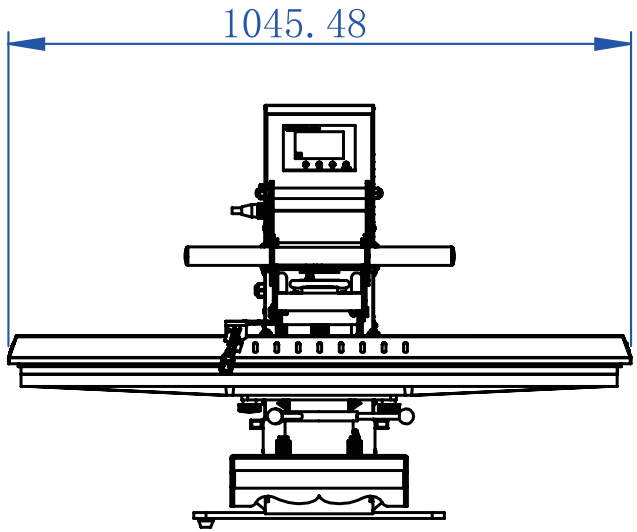


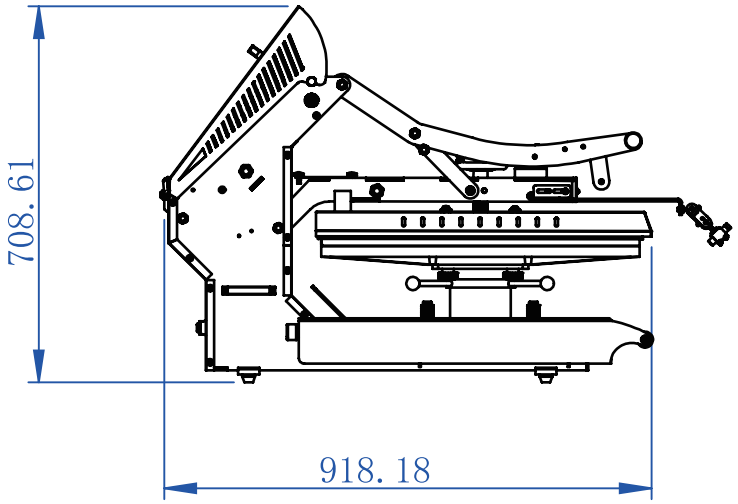



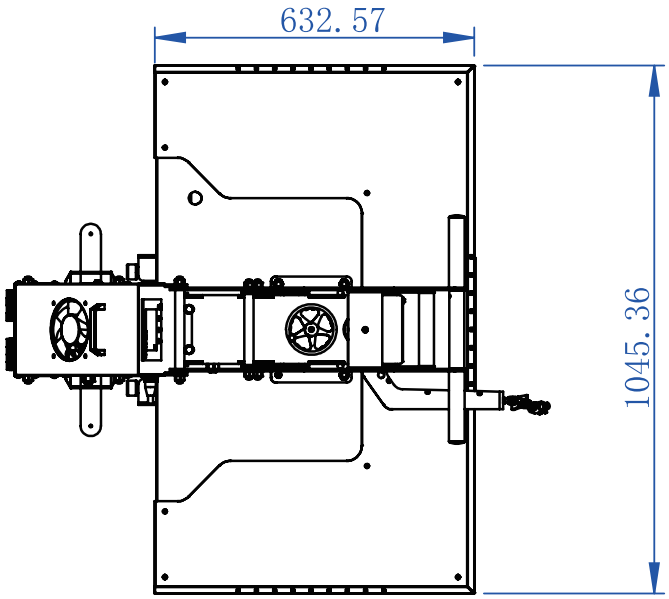



### 2.6.2 The following dimension diagrams are for model: AT40-AS










# Circuit Diagram

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