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MICROTEC
USA

Model: T1620Pro-AS

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T1620Pro-AS Series User Manual

Contents

Overview

1.1 Equipment Overview

Thank you very much for choosing our T1620Pro-AS series manual single-station heat press with integrated pressure detection! Please read this manual carefully before use to ensure proper operation. Keep this manual in a safe place for future reference. Please note that due to different configurations, some machines may not include all the functions listed in this book; the specific functions of your model shall prevail.

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.

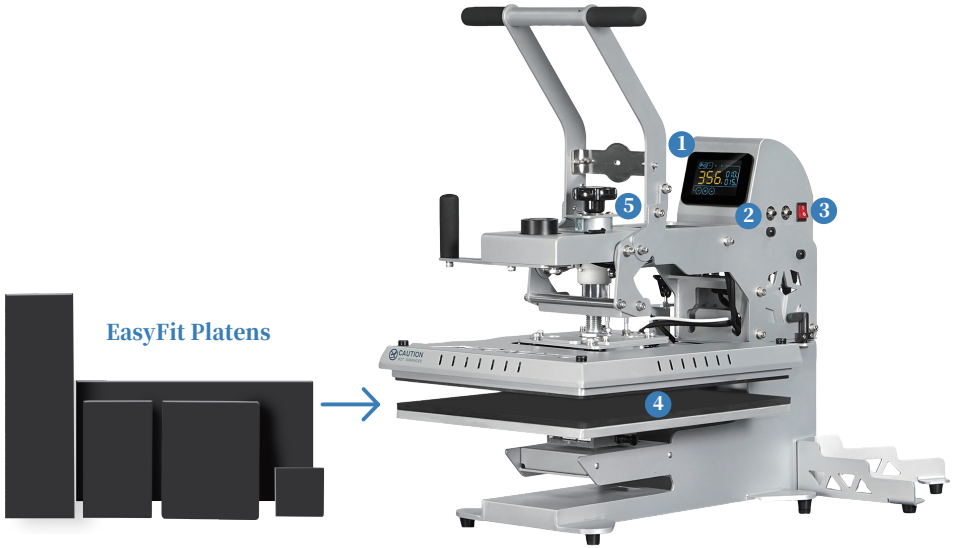
1.4-2 Technical Parameters:

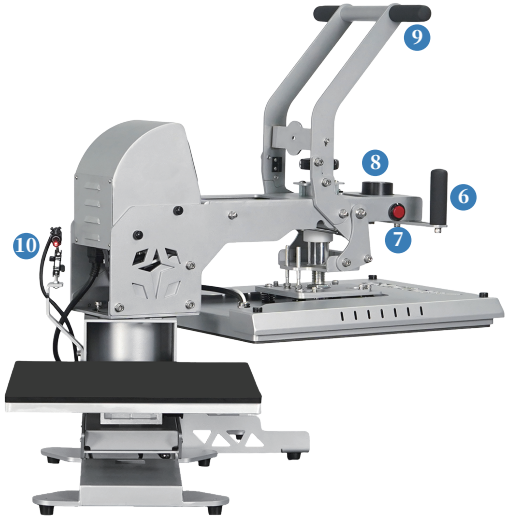
MODEL NO.	T1620Pro-AS
Controller	GY-13
Amp\Voltage\Power\phase	14.2A\120V\1700W，60HZ
Time Range(S)	0～999
Temperature Range(℉)	32～446
Heating plate size（Inch）	15.7*19.6

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.GY-13 Controller: Manages temperature and the transfer process.

2.Self-Resetting Fuses (x2): Trips to cut power if the current rises abnormally. Once the machine is stable, press them back in to resume use.

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

4.Auto-Swing Lock: Push the handle back to unlock. This allows the heat plate to swing back automatically after the transfer is complete, making it easier to place materials. Pull the handle forward to lock the plate and prevent it from moving back.

5.Pressure Adjustment Knob: Manually rotate to adjust the downward pressure. If the GY-13 display flashes **"P-E"** in the top left corner, please decrease the pressure appropriately.

6.Swing-Away Assist Handle: Used to easily move the heat plate back into the transfer position after materials are placed on the base.

7.Emergency Stop Switch: Press this during the transfer process to immediately raise the heat plate and stop the cycle.

8.Magnetic Switch: When the heat plate is manually pressed down and the black magnetic switch enters the sensing area, the GY-13 countdown begins.

9.Press Handle: Use both hands to press the heat plate down and initiate the GY-13 controller.

2.3 Operation

Operating Steps:

1.Plug into a power source (AC 120V as required) and turn on the **Power Switch [3]**.

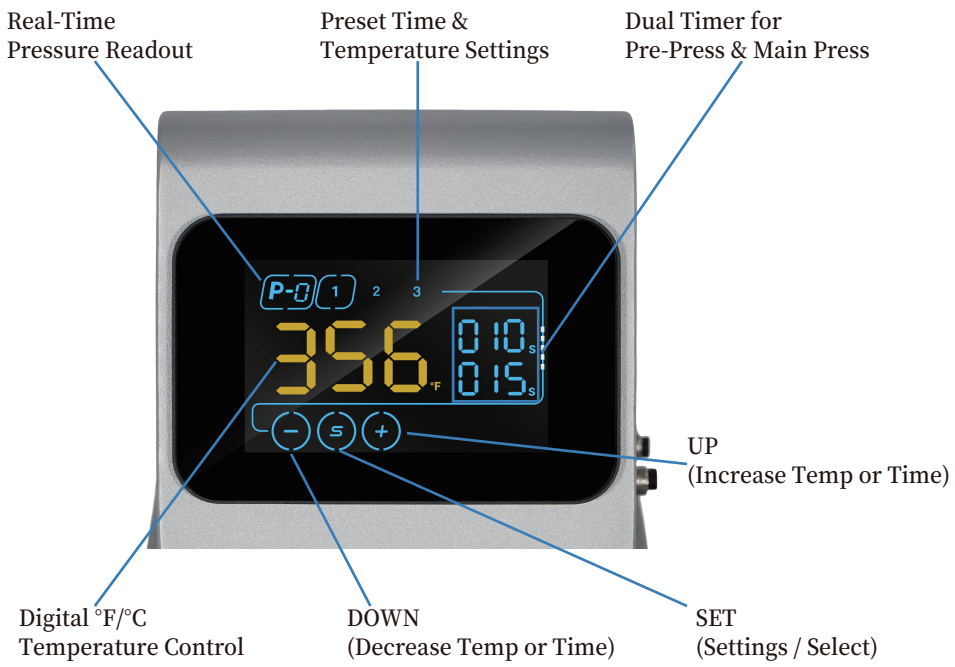
2.Place the transfer material on the base plate.

3.Once the set transfer temperature is reached, use both hands to press down the **Press Handle [9]**. This lowers the heat plate and starts the timer. When the time is up, the plate will automatically raise to complete the transfer.

4.When the heat plate is pressed into place, the current pressure value will appear in the top left corner **[P-0]** of the GY-13 display. Adjust the **Pressure Knob [5]** to change this value.

5.Repeat Step 3 for continuous operation.

2.4 Touch Screen Working Interface



2.5 GY-13 Temperature Controller Instructions

2.5.1: Press preset buttons **1/2/3** to quickly switch between saved application settings.

Preset [1] is selected in the image below.

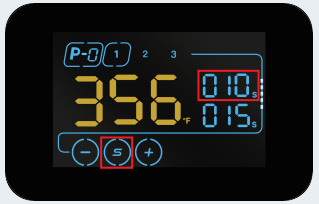
Preset [2] is selected in the image below.

Preset [3] is selected in the image below.

2.5.2 Adjusting Settings

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

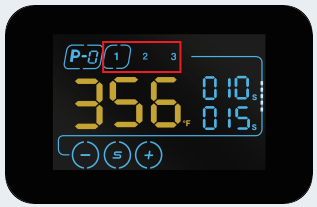
1.Tap the **"S"** key; the temperature unit **"°F"** will flash. Tap "-/+" to adjust the temperature (range: 32–446 °F).



2.Tap **"S"** again; the first timer value will flash. Tap "-/+" to adjust (range: 0–999 seconds).

3.Tap **"S"** again; the second timer value will flash. Tap "-/+" to adjust (range: 0–999 seconds).

4.Tap **"S"** once more to save, exit, and return to the main interface.



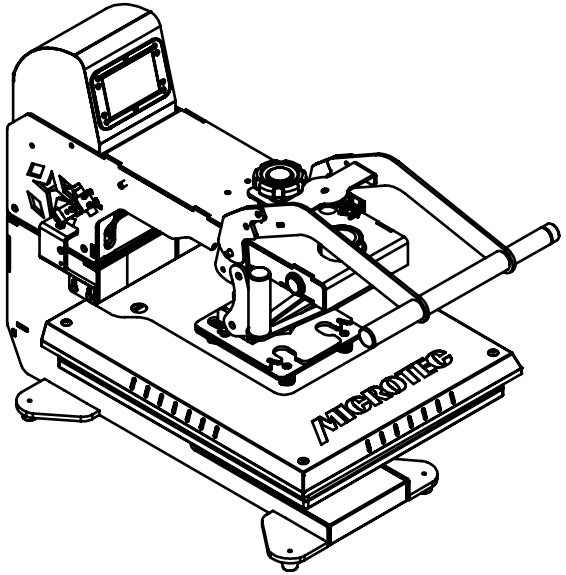
6. Preset Memory: Settings are automatically saved to the selected preset memory: Preset **1, 2, or 3.**

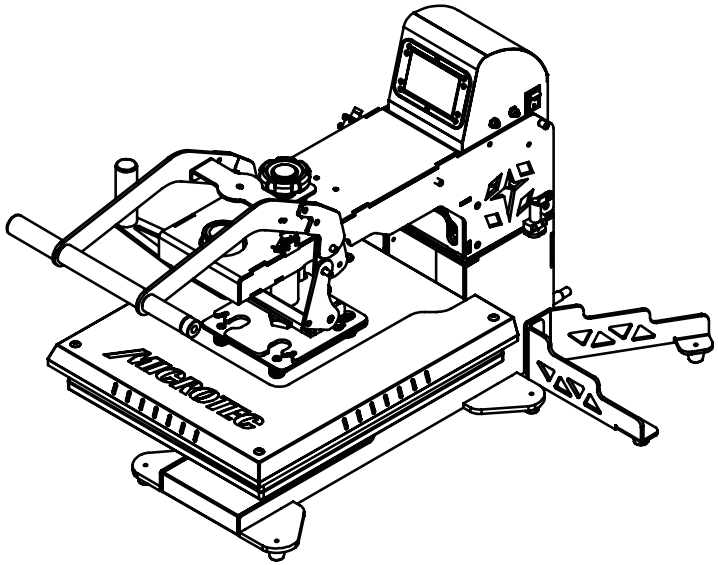
7. Dual Timer Function: The dual timers operate in sequence. After the first timer finishes, the second timer will start automatically.
If only one timer is needed, set Timer **1** to **0** and use Timer **2** only.

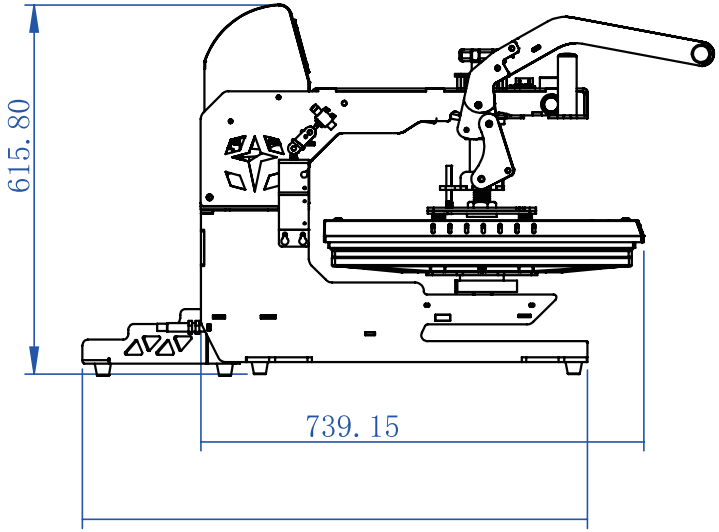
For further instructions on the controller, please contact your supplier!

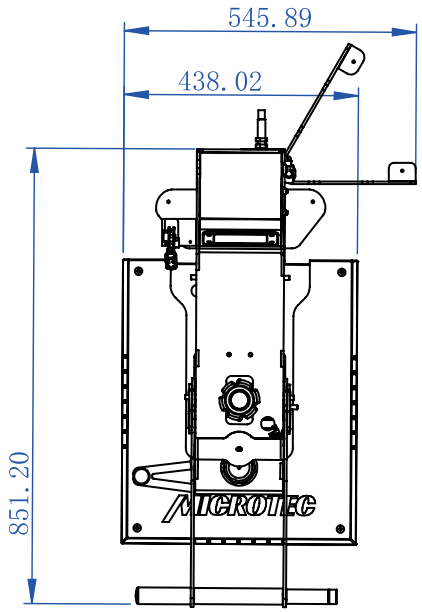
2.6 Equipment external dimensions

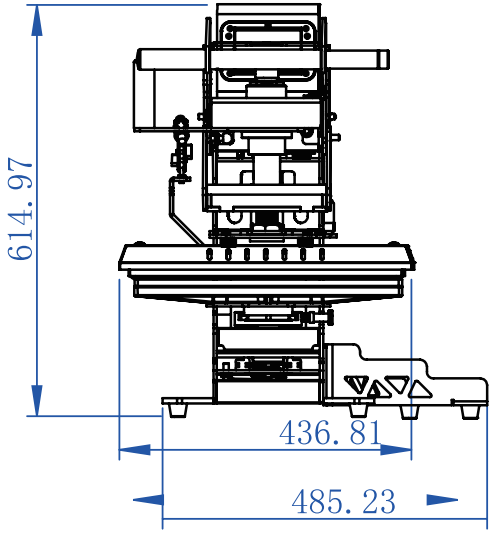
(Refer to the technical drawings in your original document for specific measurements.)











Circuit Diagram

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