

TITAN

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Model: T1620-ASP

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T1620-ASP Series User Manual

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Overview

1.1 Equipment Overview

Thank you very much for choosing our T1620-ASP series pneumatic single-station equipment! Please read this instruction manual carefully before use to ensure correct operation. Please keep this manual in a safe place for future reference. Depending on the specific configuration, some machines may not feature all functions listed in this manual. Please refer to your actual model for specific operational features.

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.

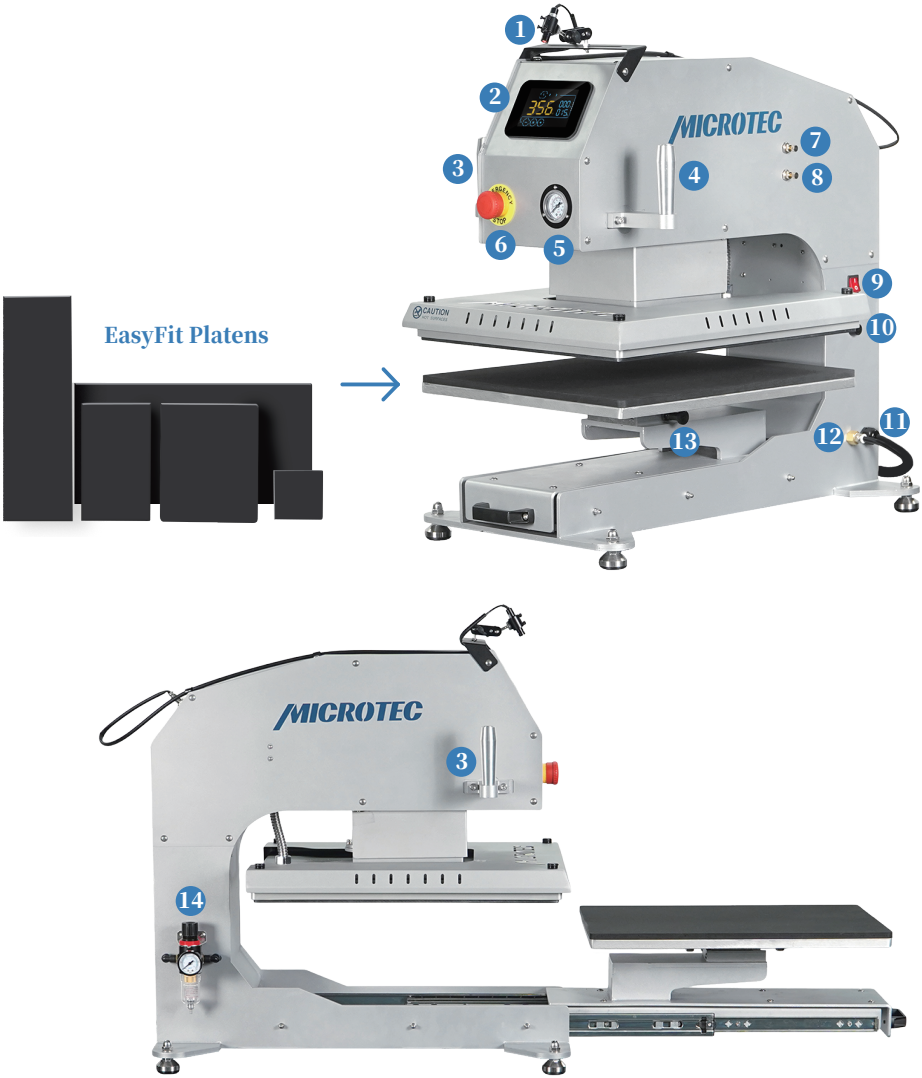
1.4-2 Technical Parameters:

Technical Specifications	Details
MODEL NO.	T1620-ASP
Controller	GY-13
Amp\Voltage\Power\phase	14.2A / 120V / 1700W, 60HZ
Time Range(S)	0~999
Temperature Range(°F)	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 14.)



2.2 Component Names and Functions

- 1. Infrared Locator:** Provides fast and accurate positioning for the heat transfer pattern.
- 2. GY-13 Temperature Control Panel:** Manages machine heating parameters and transfer cycles.
- 3 & 4. Left & Right Start Buttons:** Press both buttons simultaneously to trigger the control panel, causing the heating plate to press down and begin the transfer process.
- 5. Pressure Gauge Display:** Displays the currently configured air pressure level.
- 6. Emergency Stop Switch:** Pressing this button at any point during a press or transfer cycle will immediately lift the heating plate and stop the operation.
- 7. Throttle Valve (Upward Speed):** Adjusts how fast the heating plate lifts.
- 8. Throttle Valve (Downward Speed):** Adjusts how fast the heating plate presses down.
- 9. Power Switch:** Powers the machine on and off.
- 10. Fuse Holder:** Houses the fuse, which safely cuts power if the machine detects an abnormal spike in electrical current.
- 11. Power Cord:** Delivers primary electrical power to the unit.
- 12. Air Inlet Fitting:** Connects the external air supply needed to drive the pneumatic heating plate downward.
- 13. Quick-Change Lower Platen Lever:** Allows for rapid swapping of lower platens to fit various material sizes.
- 14. Air Regulator Assembly:** Used to adjust the machine's working pressure and display real-time pressure settings.

2.3 Operation Steps

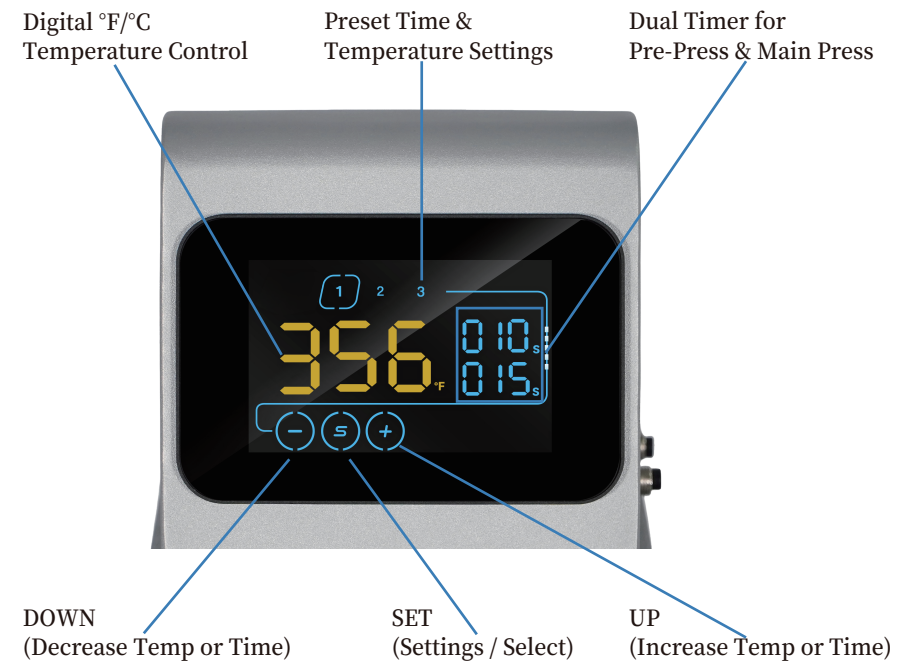
- 1. Initial Setup:** Plug the power cord **【11】** into a proper AC 220V/120V outlet according to your machine's voltage rating. Hook up a compatible air supply to the air inlet **【12】** and flip on the power switch **【9】**. Pull up on the black adjustment knob of the air regulator assembly **【14】**, then turn it to dial in the operating pressure between 4 to 6 kg/cm² (0.4 to 0.6 MPa).

2. Material Placement: Pull out the lower platen, lay your transfer material flat and properly positioned, and slide the platen back into place until it clicks/seats properly.

3. Executing the Transfer: Once the platen hits your preconfigured target temperature, use both hands to simultaneously press the dual start buttons **【3】** and **【4】**. This kicks off the controller countdown. When the timer hits zero, the heating plate automatically lifts up to complete the transfer.

4. Batch Processing: Simply repeat steps 2 and 3 to cycle through subsequent transfers.

2.4 GY-13 Touch Screen Working Interface

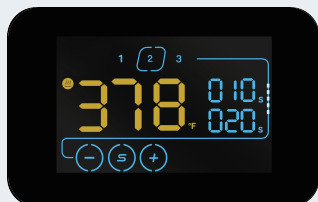


2.5 GY-13 Temperature Controller Instructions

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



Preset [1] is selected in the image below.



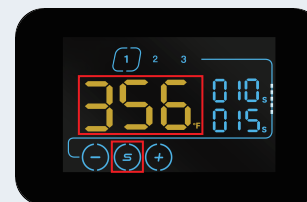
Preset [2] is selected in the image below.



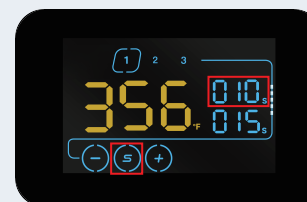
Preset [3] is selected in the image below.

2.5.2 Adjusting Settings

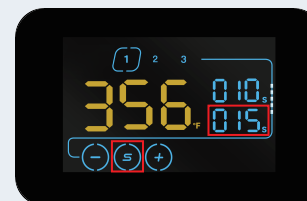
Once a preset is selected, follow these steps to customize the temperature and time:



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.

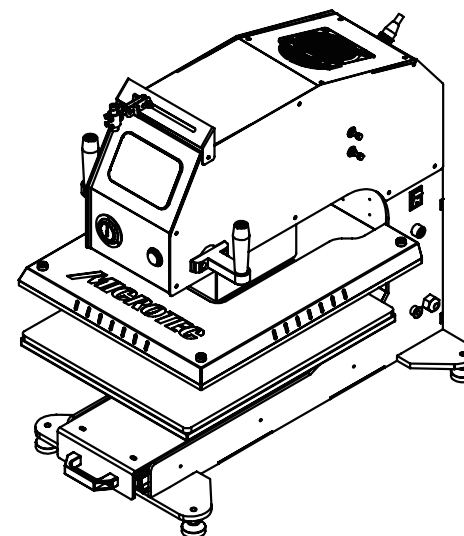
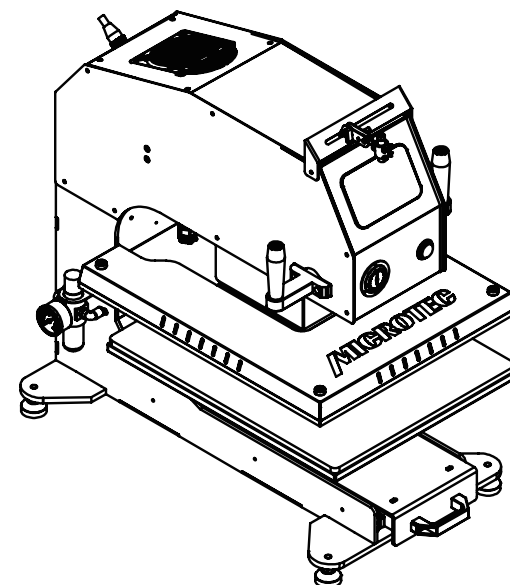


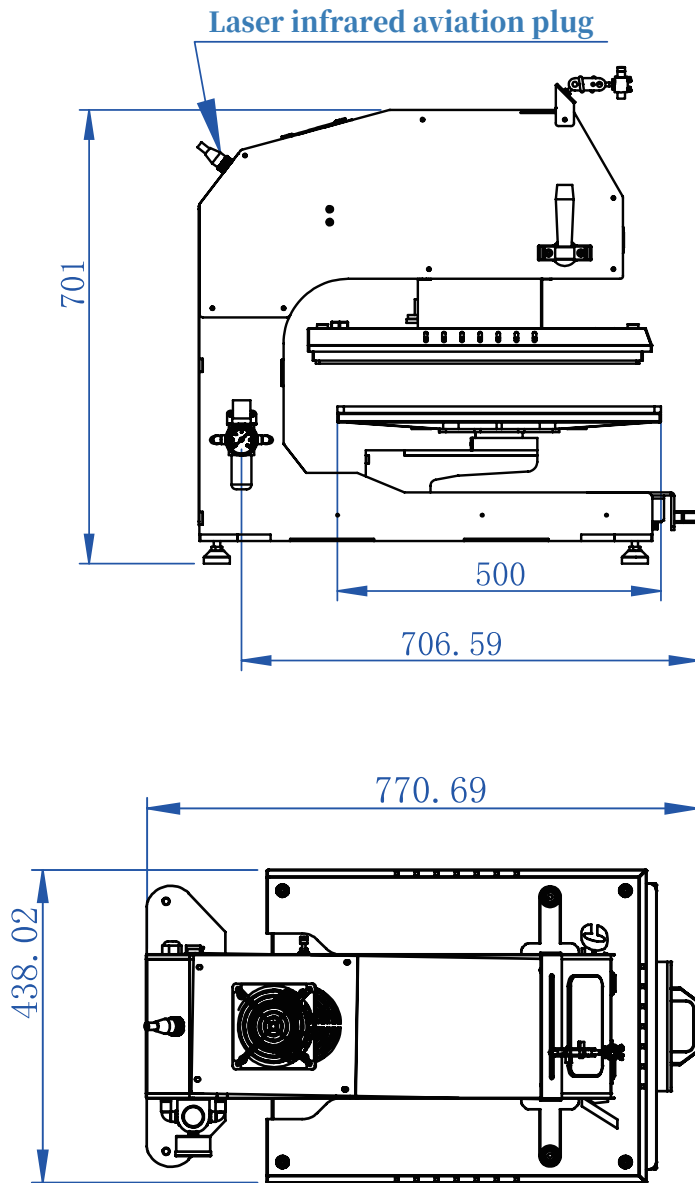
7. Dual Timer Function: The dual timers operate in sequence. After the first timer finishes, the second timer will start automatically. If only one timer is needed, set Timer 1 to 0 and use Timer 2 only.

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.)

