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Model: TCAP-S-Combo

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TITAN TCAP-S-Combo User Manual

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Overview

1.1 Equipment Overview

Thank you for choosing the Microtec TCAP-S2-Combo Manual Single-Station Heat Press.

Please read this manual carefully before installation, operation, maintenance, or troubleshooting.

Keep this manual in a safe place for future reference.

Machine configurations may vary. Some functions described in this manual may not apply to your specific model. Always refer to the actual machine configuration, rating label, and supplied components.

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:

Item	Specification
Model No.	TCAP-S-Combo
Controller	GY-14
Power Specs	10A / 120V / 1200W, 60Hz
Time Range	0-999 seconds
Temperature Range	32-446°F

Appearance and Functions

2.1 Appearance



2.2 Component Names and Functions

1.GY-14 Temperature Controller: Controls platen temperature, timer settings, preset memory, and the heat transfer cycle.

2.Emergency Stop Switch: Press this switch to stop the current operation and raise the heat platen. Use it only when an abnormal condition or safety concern occurs.

3.Self-Resetting Fuse: Automatically interrupts power when abnormal current is detected. After the issue has been corrected, press the black reset button to restore power.

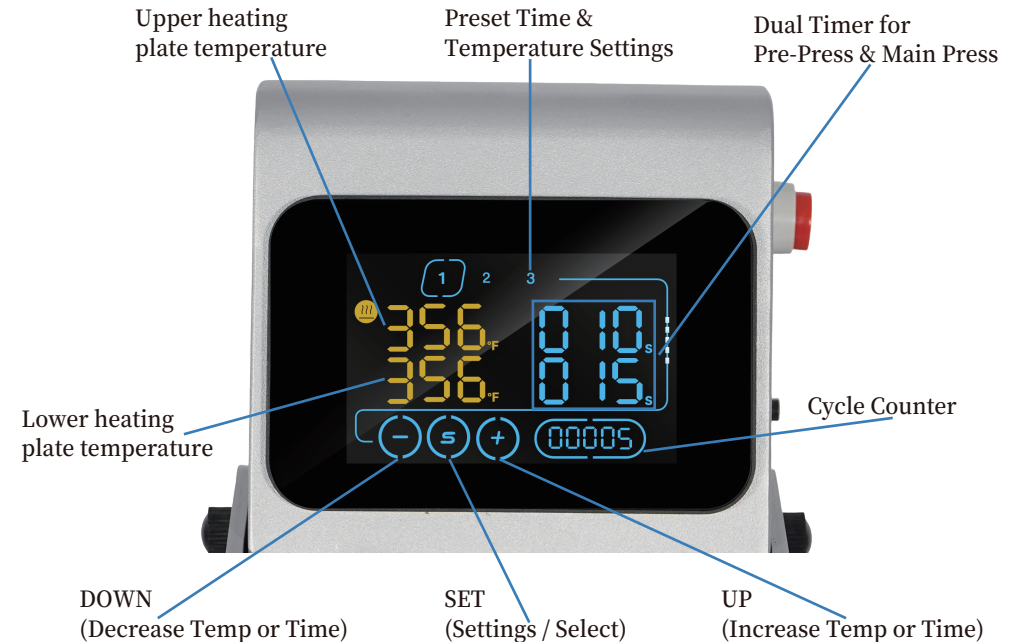
4.Power Switch: Turns the machine power ON or OFF

5.Gas Spring: Assists platen lifting and smooth opening.

2.3 Operation

1. Connect the machine to a properly grounded 120V AC outlet and turn the Power Switch [4] ON.
2. Set the upper platen temperature, lower platen temperature, and timer according to the transfer material, garment type, and transfer paper or film requirements.
3. Pull out the lower platen, position the hat and transfer material, then push the platen back into place.
3. Lower the heat platen manually. The controller will beep and Timer 1 will start. When the count-down ends, the heat platen will rise automatically.
4. Lower the heat platen again to start Timer 2. When Timer 2 ends, the heat platen will rise automatically and the cycle counter will increase by 1.
5. Repeat the process for continuous production.
6. To reset the counter, press and hold “ - ” and “ 3 ” together for approximately two second.

2.4 Touch Screen Working Interface



2.5 GY-14 Temperature Controller Instructions

2.5.1: Tap the “1 / 2 / 3” icons on the touchscreen to switch between the three sets of memory presets. The currently selected preset will be indicated by a highlight frame.



Preset [1] is selected in the image below.



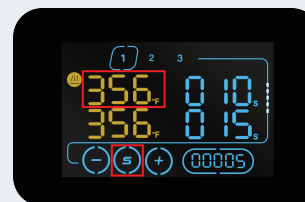
Preset [2] is selected in the image below.



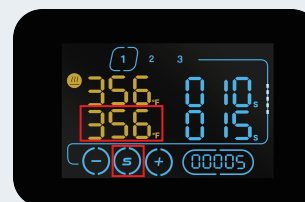
Preset [3] is selected in the image below.

2.5.2 Adjusting Settings

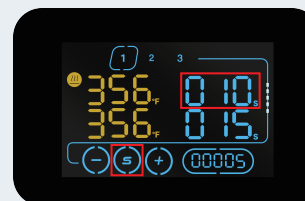
Once a preset is selected, follow these steps to customize the temperature and time:



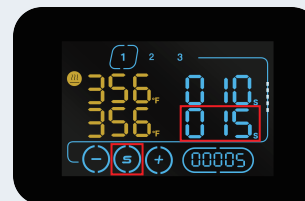
1.Upper Temperature: Tap the “S” button. The upper temperature unit “°F” will flash, indicating you are in setup mode. Tap “+ / -” to adjust the value. (Range: 32°F – 446°F) .



2.Lower Temperature: Tap the “S” button again. The lower temperature unit “°F” will flash. Tap “+ / -” to adjust the value. (Range: 32°F – 320°F) .



3.Timer 1 (Upper): Tap the “S” button again. The upper time indicator “s” will flash. Tap “+ / -” to adjust the value. (Range: 0 – 999 seconds) .



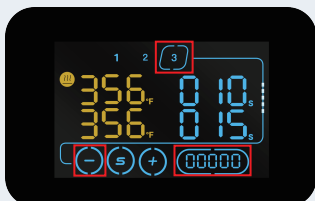
4.Timer 2 (Lower): Tap the “S” button again. The lower time indicator “s” will flash. Tap “+ / -” to adjust the value. (Range: 0 – 999 seconds) .



5. Save and Exit: Tap the “S” button one last time to save your changes and return to the main interface.

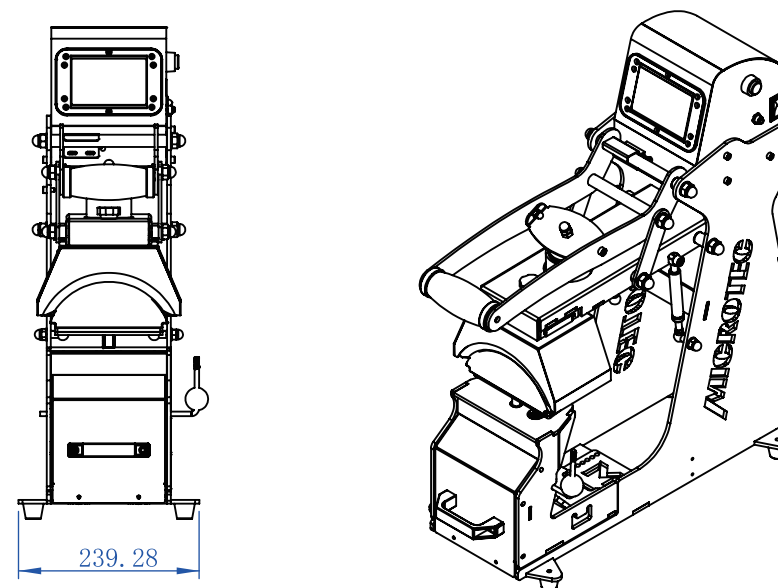
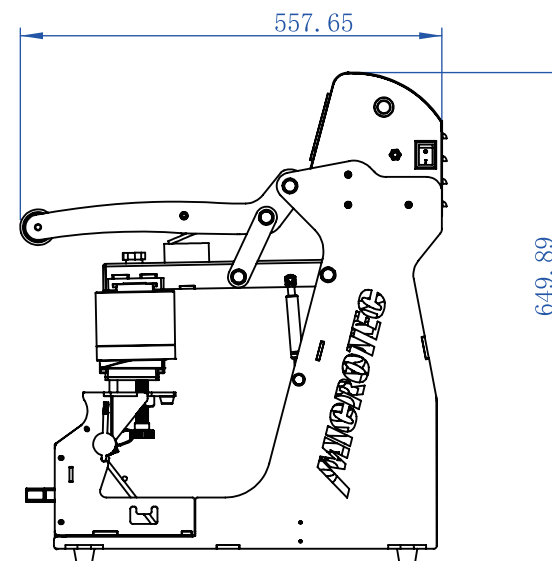
Note: Once the setup is complete, your settings will be automatically saved to whichever memory preset (1, 2, or 3) was **framed/selected** during the process.

2.5.3 Resetting the Counter



To reset the production counter to zero, tap the “-” and “3” buttons simultaneously.

2.6 Equipment external dimensions



Circuit Diagram

