# *SMTmax SMT-6000 IR Preheating Plate*




**SMTmax**

***125 Business Center Drive Unit G***

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## Product Features

- This machine selects the infrared component to give off heat which independent exploration, adopts advanced PID intelligent temperature, controls temperature precisely.
- SMT-6000 can achieve to heat PCB board and component which contain lead or not, especially for BGA and SMD parts
- Use infrared heat, easy to cut through, heat proportion, doesn't have sirocco flow. Don't shift small component on the PCB board, ensure welding quality.
- This machine has 1600W heating system, widely 280 x 270mm.
- Easily to operate, you operate it through easy training.

## Technical Parameter

| | |
|---|---|
| Work Bench | 410x316mm |
| Rated voltage and frequency | AC110V 60Hz |
| Complete machine power | 1700W |
| Preheating plate power | 1600W |
| Preheating Plate size | 280x270mm |
| Temperature Range | 0 - 450°C |

## Main Components

| | |
|---|---|
| Preheating Plate body | 1 |
| Temperature Sensor | 1 |
| PCB board holder | 1 |
| Power line cord | 1 |
| User manual | 1 |

# Main Component Function Explanation:

1. Preheating Plate Main Body



2. Front Panel



3. Side Panel




| --- | MARKS/DESCRIPITION | | FUNCTION |
|---|---|---|---|
| 1 | PV | Process value display | action indication |
| 2 | SV | Set value | Auto tuning action indication |
| 3 | SET | Set key & enter key | action indication |
| 4 | AT/M | Manual/auto exchange key | action indication |
| 5 | ⇦ | Shift key | Manual action Indication |
| 6 | ⇩ | Down key and program suspending key | Programming action indication |
| 7 | ⇧ | Up key and Program starting key | Programming action indication |

# Operation Instructions:

1. Inspect the machine before turn power on.
   I. Check the connection of the power line.
   II. Turn on the power switch. Allow the SMT-6000 Power-On-Self-Test (POST) to complete. After this, Temperature set-point will display last value used.
   III. The red-colored switch of the front panel are used to power it on and green colored button is for control infrared preheating plate; press the button "↑" (up), the button "↓" (down), can adjust the infrared preheating plate temperature between 0°C through 400°C. Press the green button "start" to stop heat up, and fan is start run, the fan will be stop after internal time cool down.
   ***Note: If you hold the "↑" (up) or "↓" (down) the button for 5-10sec the temperature will increase by 10 degree digit.***

2. Operation of preheating PCB board
   I. The placement and adjustment of the PCB board;
      a) According to the size of the PCB board, adjust the PCB board holder, then put the PCB board and fix the adjust knob.
      b) According to the size of the PCB board, press the button "↑" (up), the button "↓" (down), regulate the output temperature of preheating plate between 0°C - 400°C.
3. Preheating open and close:
   I. Press the green "start" button, indicate light blinks. The temperature rises up to stable after around five minutes. Install circuit board to start your process.
   ***Note: When the "use" light blinks it mean the preheater is heating up.***
   II. Finishing, Press green "start" button, indicate light stand still. The preheating plate will cool down then shut off automatically. **Attention: Don't close the power switch until the machine fully cooled down.**
   III. The preheating temperature set: If the PCB board contains lead, adjust the infrared preheating plate temperature 130°C; if not, adjust to 150°C.

You can also set the preheating temperature according to the user's experience.

4. Machine self calibration:
    1. When it starts to heating up, press and hold the ">" key 3 to 5 seconds, setting temperature and real temperature will be flush alternatively. The preheated is in automotive self calibrating process.
    2. When the temperature stay still "PID" calibration finished.

## Cautions!

1. After finishing, don't turn off the power immediately; make sure the infrared preheating plate is completely cooled down.
2. Keep the ventilation free-flowing, the infrared preheating plate can be cleaned with dehydrated alcohol. Clean it regularly!
3. The high temperature operations, pay attention, avoid scalding.
4. If you don't use the machine for a long time, you'd better pull the power source plug!

## Warranty!

The whole machine maintains for one year and the spare parts maintains for three months. Please contact technical support or email info@smtmax.com

## Statement:

If there is any difference between the users operating manual and actual product, according to the actual product, please contact us!

*Thank you for purchasing SMTmax SMT-6000!*