

# Preheating Oven User Manual

**Model: T-8120**



**Tai'an Puhui Technology Co., Ltd.**

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## Products Features:

1. The machine selects the infrared highly effective component to give off heat which independent exploration, adopt advanced PID intelligent controlling warm heating technology, controls warm precisely.
2. Can achieve to heat PCB board and component which contains lead or not, especially suit to BGA、SMD.
3. Use infrared heat, easy to cut through, heat proportion, don't have sirocco flow. Don't shift the small component on the PCB board, ensure the welding quality.
4. This machine has 600W heating system, widely to 120x120mm.Can use with the handheld infrared welder T-835.
5. Easily operate, can operate it through easy training.

### Main Parameter:

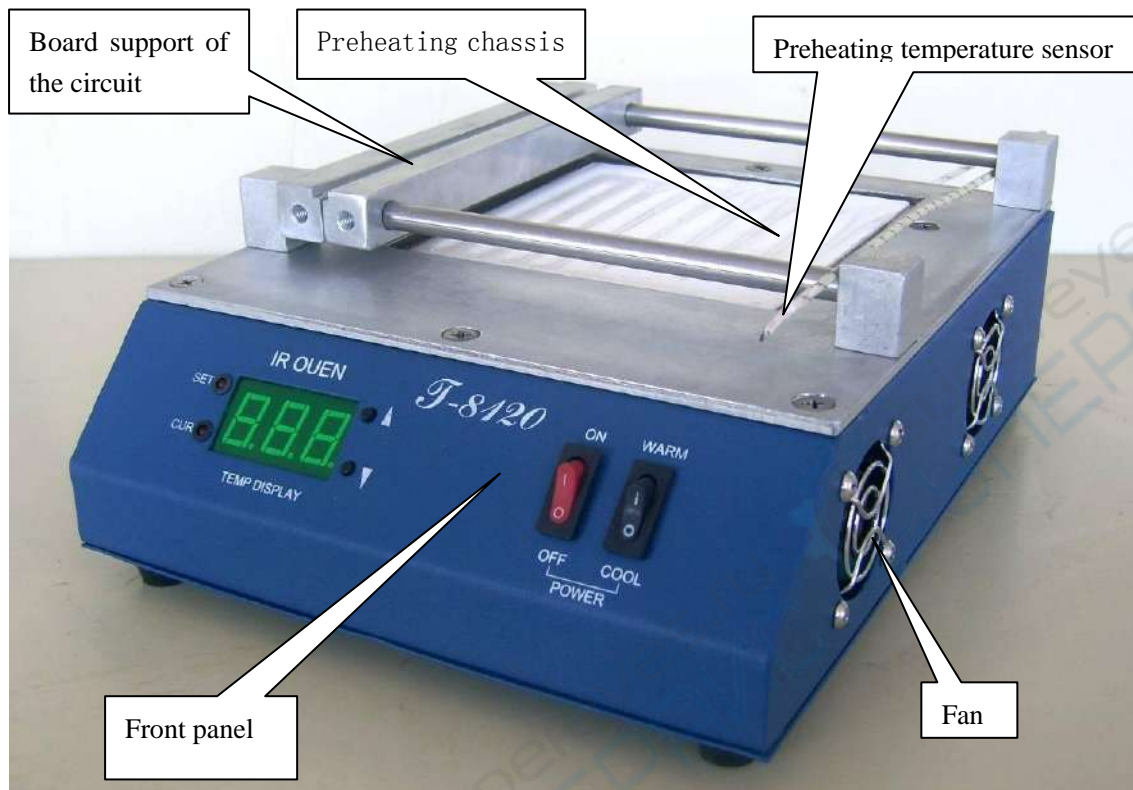
Work floor size	200x240mm
Rated voltage and frequency	AC220-230V/AC110V 60/50Hz
Complete machine power	500W
Preheating chassis power	450W
Preheating chassis size	120x120mm
Preheating chassis temperature adjustable	0-450°C

### Main Component:

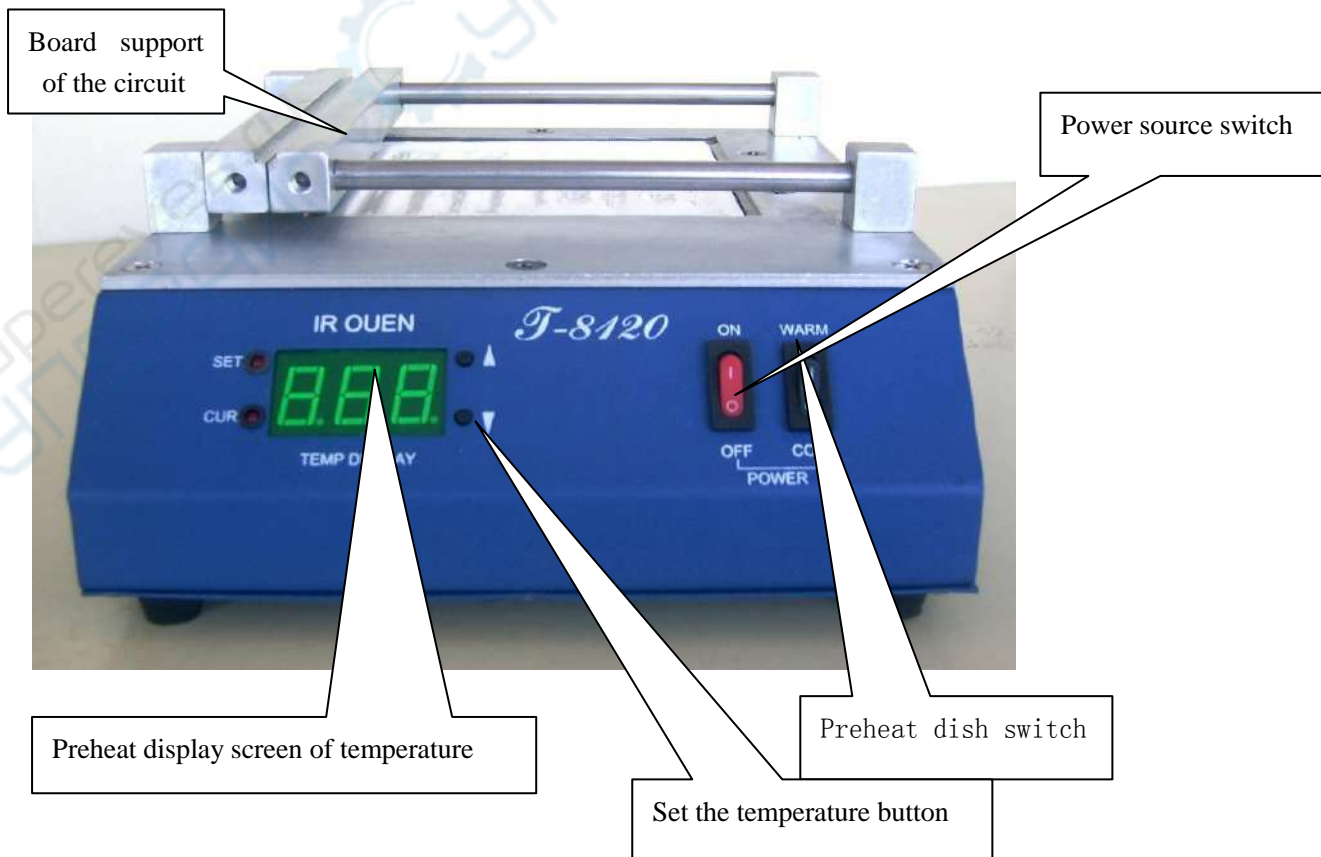
Preheating oven main body	1
Temperature sensor	1
Board support of the circuit	1
Power line	1
User manual (compact disc)	1

### Main component function explanation:

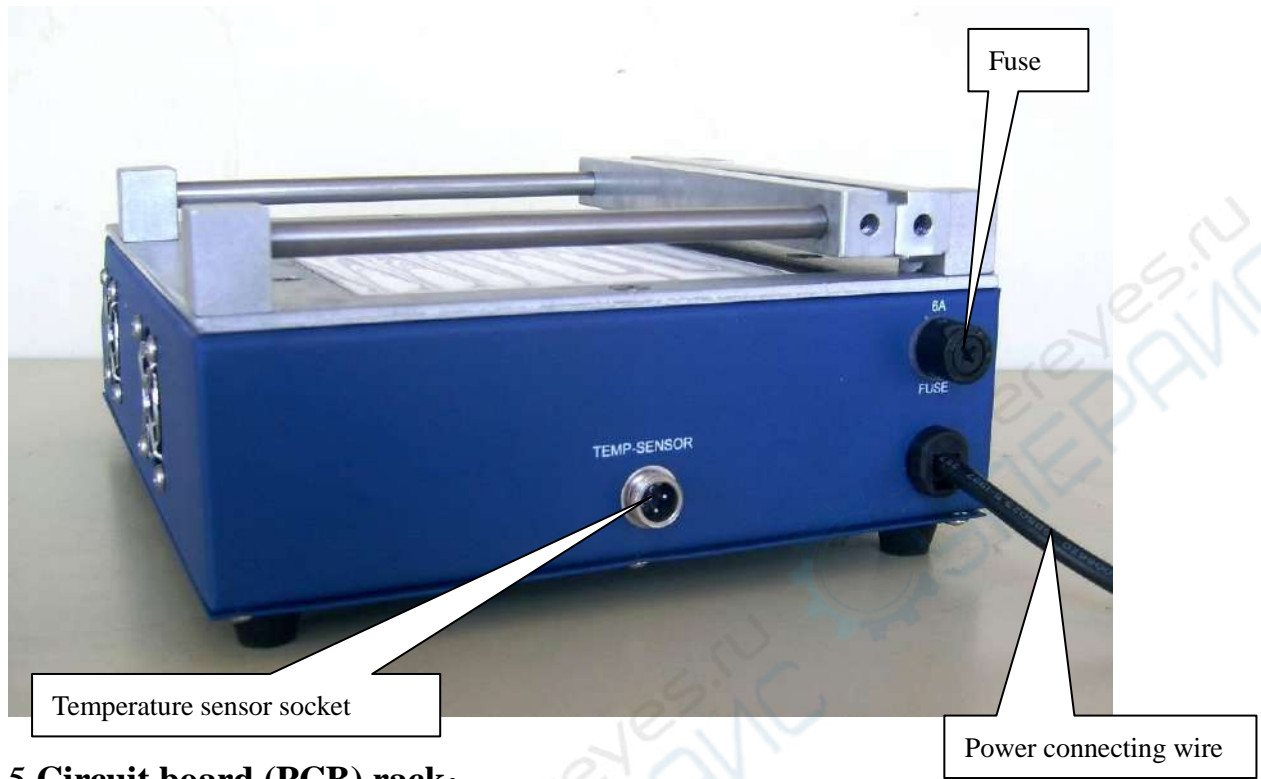
#### 1. Welding table main body:



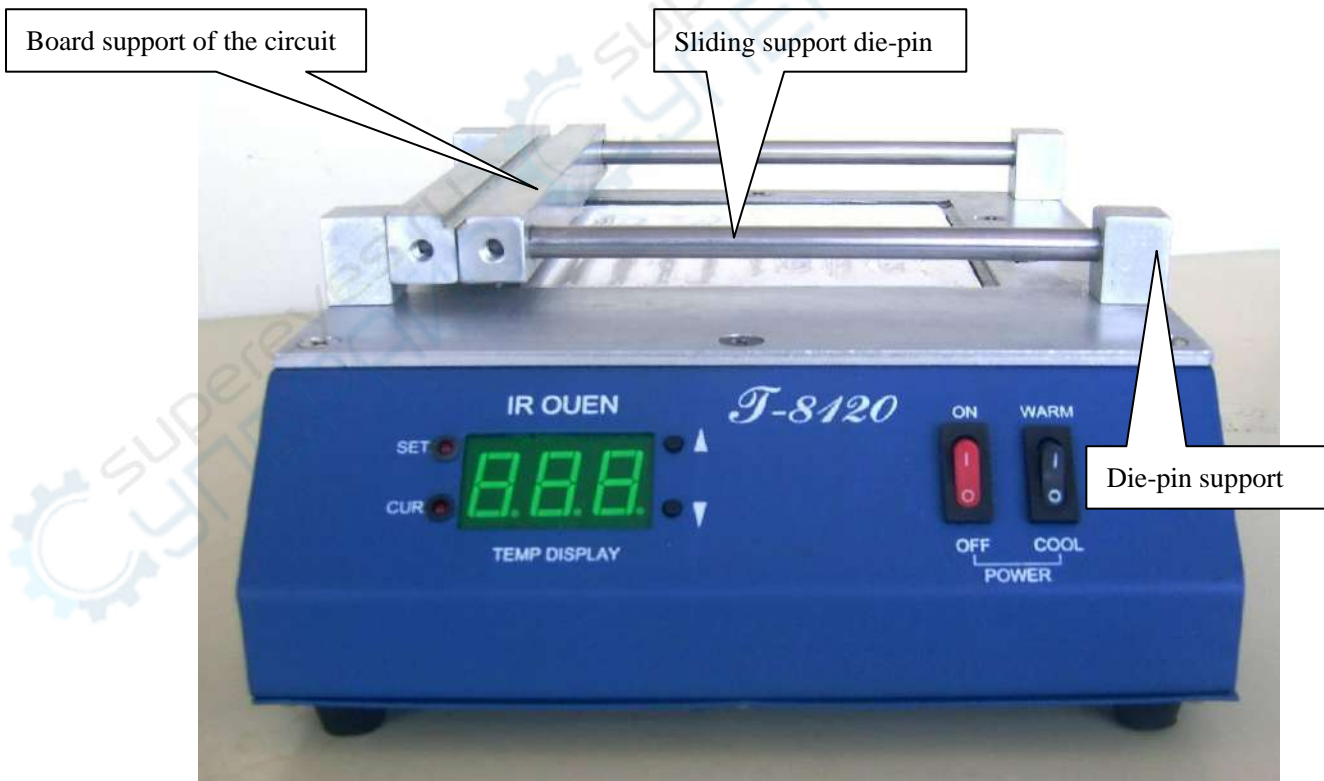
#### 2. Front panel



### 3. Back panel



### 5. Circuit board (PCB) rack:



## Operation instructions:

### 1. Starting and inspects before starting:

- ① Check the temperature sensor and the power line.
- ② Turn on the power line. Don't use until passing check. (The nixie tube displays the indoor temperature.)
- ③ The black switch on the front panel use to control the infrared preheating chassis; press “▲” up, “▼” down, can be at 0-450℃, adjust the infrared preheating chassis's temperature. Press the button “WARM”, the infrared preheating chassis starts to work, press “COOL”, it stops working.

### 2. Operation of preheating PCB board:

#### (1) PCB board's placement and adjustment:

- ① According to the PCB board's size, adjust the location of the board support, put the PCB board on the support and fix the screw tightly with hands. Make the temperature measurement head fixed on the PCB board which needs to preheating, use aluminum-foil paper or adhesive paper to stick tightly.
- ② According to the size of PCB board and welding technological requirement, press “▲” and “▼” button, between 0℃ and 450℃, regulate the output temperature of preheating chassis.

#### (2) Preheating opening and closure:

- ① Press the “WARM” button, open the preheating chassis about 3-5 minutes, make the temperature be about the setting value then carry on the step operation.

②After finishing ,press “COOL”, the preheating chassis stop working.

**Attention:** This time can't close the power switch, after the machine full cooling then close the power source.

③General preheating temperature establishment suggestion: when PCB board has lead ,may adjust the infrared preheating chassis temperature to 100-120°C ; When PCB board has non-lead, may adjust to 120-140 °C ; Also may set the different preheating temperature voluntarily according to user's use craft and experience.

### 3. Machine installation and adjustment:

This infrared preheating chassis heating way includes: The total pressure flow-through heating way and the PID percentage adjustment way, you may adjust voluntarily according to the PCB board's preheating allowance. preheating temperature is lower than 250°C, selects the PID percentage adjustment method; The preheating temperature is higher than 250°C, use the total pressure flow-through heating way.

#### **Caution!**

1. After finishing, don't turn off the power immediately; make the infrared preheating chassis full cooling.
2. Keep the ventilation free-flowing, the infrared preheating chassis pure; use the dehydrated alcohol to be clean regularly!
3. Careful, the high temperature operation, pay attention, avoids scalding.

4. Long-time doesn't use, should cramp out the power source plug!

### **Guarantee acceptance**

The complete machine maintains for one year and lifelong service.  
Long-term factory price supply .Provides the immediate network online  
Q/A and the technical advisory work service.

### **Statement**

Between user operating manual and actual product different place, take  
actual product as !