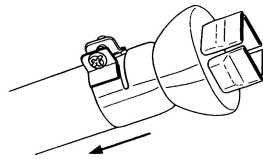


- If not using for long time, please turn off the power switch and pull out the socket.

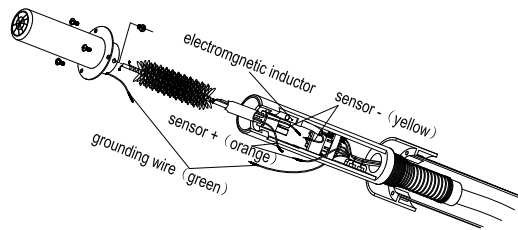
⚠NOTE: If the system can fulfill the soldering or de-soldering, using as low temperature as possible and as big airflow as possible for prolonging the heater's life and protecting the element.

## VI. Change and Fix the Nozzle

- Select the appropriate nozzle that matches the size of the IC. Attach the nozzle when both the pipe and the nozzle are cool.
- Loose the screw on the nozzle.
- Attach the nozzle on the steel pipe as shown in the drawing.
- Fasten the screw properly.



## VII. Replace the heating element



- Remove the spring on the tube of the handle.
- Loose the screws and slide out the steel tube. Remove the three screws that securely fasten the handle and then slide the cord tube.
- Disassembly the handle. Disconnect the ground wire sleeve and remove the pipe. In the pipe, the quartz glass and heat insulation is installed. Do not drop or miss it.
- Remove out the heating element. Disconnect the terminal and remove out the heating element.
- Insert a new heating element.  
Handle it with care. Never rub the heating element wire. Insert a new heating element and reconnect the terminal. Reconnect the ground wire after replacing the element.
- Assemble the handle in the reverse order of disassembly. Insert the handle's protection into the hole in the pipe.

# SMD REWORK STATION

## INSTRUCTION MANUAL

**Thank you for purchasing the SMD Rework Station.**  
**Please read this manual before operating the unit. Store this manual in a safe, easily accessible place for future reference.**

### I. Safety Instruction

- Keep the air outlet at least 2mm from the object.
- Select the appropriate nozzle according to demands. Differences in temperature may exist when different nozzle is used.
- The air outlet and its surrounding area maybe very hot. Please take great care and not to be burned.
- Please keep the air outlet clear and not be blocked.
- After work, the handle must be placed on the holder and never place the handle on the workbench or other places. The unit can be turned off only after it cools below 100 °C (sleeping mode) automatically.
- Handle with care not to shock the unit sharply.
- Turn off the power switch if not using in a period of time. Disconnect the power cord when not in use for a long time.
- Don't operate the unit with wet hand or when the power cord is damp to avoid short circuit or electric shock.
- Never use this unit in flammable gases or near other flammable materials. After using, don't put it near the flammable gases or materials.
- WARNING: Some areas such as behind walls, ceilings, floors, and other panels may contain flammable materials which may not be found. The ignition of these materials could result in property damage and injury to persons. When working in these locations, move the handle back and forth and not pause at one point for protecting the flammable materials from ignition and other things from damage.
- Children cannot recognize the danger of the electrical appliance and keep it out from children.

## II. Characteristics

1. Closed loop sensor, temperature can be controlled by zero voltage triggering mode. Large power and rapid heating. Temperature can be conveniently adjusted and the temperature is accurate and stable, and not affected by airflow.
2. Stepless airflow adjusting with a wide range. Temperature can be conveniently adjusted.
3. Sensitive electromagnetic inductor in handle ensures the unit beginning working immediately so long as the handle is held. When handle is put on the holder, the system will return back to standby mode. Easy to use.
4. Automatic cooling system can increase the life of heating element and protect the unit.
5. Compact unit takes up little space on the workbench.

## III. Specifications

Type	Analog	Digital
Display type	LED (light)	LED number (resolving capability is 1°C)
Power Consumption	580W	
Airflow type	Soft revolving airflow	
Airflow Capacity	50Level (max)	
Temperature Range	100°C~450°C	
Weight	About 1.6 Kg	

## IV. Use & Purpose

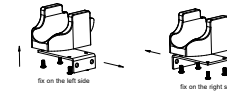
- Fits most of SMD, Such as SOIC, CHIP, QFP, PLCC, BGA etc.
- It is suitable to hot shrink, drying, remove lacquer and mucosity, thaw, preheating, disinfect and so on.

## V. Installation and Operation

### 5.1 Installation of the Handle Holder

If you use the unit for the first time, please assemble the handle holder as follows.

1. Tighten four screws as shown in the diagram as per your personal habits.
2. According to your choice, remove two screws that fix the handle holder on the left or right side of the unit.
3. Direct two holes of handle holder to two corresponding holes on the unit, then turn and tighten the removed two screws.
4. Put handle assembly on the handle holder and check the condition carefully.



### 5.2 Operation

1. Put the unit on the workbench and put the handle on the holder. Connect well the power supply.
2. Install the nozzle on the handle. Select bigger caliber nozzle that fit with the IC.
3. Turn on the power switch. At the time, if the handle is on the holder, the unit will be in the sleeping state.

#### Analog Type:

- (1) On the waiting (sleeping) state, the heating light is not bright.
- (2) Setting the temperature by circumvolving the temperature-controlling knob.
- (3) Take up the handle on the holder, and then the unit begins work and the heating light is bright.
- (4) Adjusting the airflow by circumvolving the airflow-controlling knob.
- (5) After finishing the work, take down the handle on the holder. After that, the unit cuts off the current to the heater and then the unit begins to blow cooling airflow. When the temperature is less than 100°C, the unit comes into the sleeping state.

#### Digital Type:

- (1) On the waiting (sleeping) state, the LED shows “---”.
- (2) Setting the temperature by circumvolving the temperature-controlling knob.
- (3) Take up the handle on the holder, and then the unit begins work and the heating light is bright.
- (4) Adjusting the airflow by circumvolving the airflow-controlling knob.
- (5) After finishing the work, take down the handle on the holder. After that, the unit cuts off the current to the heater and then the unit begins to blow cooling airflow. When the temperature is less than 100°C, the unit comes into the sleeping state and the display shows “---”.
- (6) Sign explain
  - ※ “---”: Implies temperature at air outlet is below 100°C. When the handle is on the holder, the unit is in standby mode.
  - ※ “S-E”: Implies there is something wrong with the sensor. The sensor needs to be replaced. (Heating material and sensor assembly)
  - ※ “H-E”: While at work, if temperature displayed is less than 50°C and not raises any more, or displaying “H-E”, this means the heating element may be damaged and replacing of it is needed. (Heating material and sensor assembly.)