



User's Manual

SMD REWORK STATION

ASE-4509



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1. Product information

1.1 Specifications

- Rated power input 300W
- Rated voltage range AC 220-240V, 50Hz // 110V-130V 60Hz
- Hot Air Temperature 100-500°C
- Display LED Segment Displays

1.2 Features

- The integrated tool offers an excellent solution to desoldering work. No need extra station to generate the work, it can save big working space while largely convenient your work.
- With a wide range adjustments for the air flow rate and temperature and various nozzles for your selection, this tool can be used on most SMD rework job, like SOIC, CHIP, QFP, PLCC, BGA etc.
- Prevent PCB from the damage of electric static and electric leakage.
- No need touch the PCB, no heating impact to the user.
- Hand held compact design, easy for operation.
- Dual color handle with anti-slip rubber hand grip.
- With LED Segment Displays

4. WARNING:

- Warning: this tool must be placed on its stand when not in use.
- Soldering tools not in use should be stored in a dry location which is out of the reach of children.
- Return to professional for cord replacement or service.
- A fire may result if the appliance is not used with care, therefore
 - be careful when using the appliance in places where there are combustible material;
 - do not apply to the same place for a long time;
 - do not use in presence of an explosive atmosphere;
 - be aware heat may be conducted to combustible materials that out of sight;
 - place the appliance on its stand after use and allow it to cool down before storage;
 - do not leave the appliance unattended when it is switched on.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

3. Precautions

- Attaching the Nozzle

Do not press the Nozzle or pull on the edge of the Nozzle by pliers. Also, do not retighten the screw too tightly

- Thermal Protector

Power will automatically be off when the unit exceeds a certain temperature. Once the temperature has dropped to a safety level, power will automatically turn on.

Caution - High Temperature Operation

Do not use the SMD unit near ignitable gases, paper, or other inflammable materials.

The nozzle air is extremely hot and can cause painful burns. Never touch the heater pipe or allow the heated air to blow against your skin.

Do not disassemble the Product.

Disconnect the plug when you don't use the unit for a long time.

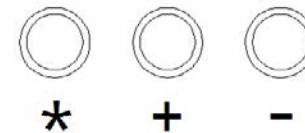
When the power cord is connected into the power supply, the unit has a little flow of electricity, even the Power Switch is in off position. So then you don't use the unit for a long time, disconnect the plug.

2. Operating Instructions

2.1 Before Operation

- Select the appropriate FP Pick-up Wire that matches the size of the IC. The Fp Pick-up has an S wire (14mm) attached to it, an L wire (30mm) may also be needed, depending on the size of the IC.
- Select the appropriate Nozzle that matches the size of the IC.
- Loosen the screw on the nozzle, insert the Nozzle into the top, then fasten the screw properly.

2.2 The display and temperature setting



1. Press the button “+” or “-” to adjust the temperature. In short press, the set-point will change $\pm 1^{\circ}\text{C}$ In long press, the set-point will change quickly and reach your target temperature.
2. “*” is the transfer button between $^{\circ}\text{C}/^{\circ}\text{F}$. The default unit is $^{\circ}\text{C}$, press the “*” button to make change between $^{\circ}\text{C}$ and $^{\circ}\text{F}$.

3. This item has sleep function. When you put the air pump on the racket, the item will stop heating, And the display shows“SLP”(means SLEEP) , when you pick up the air pump , the Item will get back to the set temperature.

2.3 How to use

- Before use, please check if the product voltage conforms with the local voltage.
- Connect the mains plug to a socket.
- Assemble the nozzles into the position(try to use nozzles with bigger diameter).
- Turn on the power switch, set the air flow rate and temperature, and put the unit on the racket.
- Put the nozzle on the pins of the IC(do not touch directly), so that the hot air can melt the Solder tin on the IC pin, and then use the tweezers to remove the IC.

After operation, turn off the power switch, then pull out the power plug and put the unit in a safe place out the reach of children.

2.4 QFP Soldering

- Apply the solder paste

Apply the proper quantity of solder paste and install the SMD on the PWB.

- Preheat SMD

Refer to the photo to preheat SMD. (Fig. I)

- Soldering

Heat the lead frame evenly. (Fig. II)

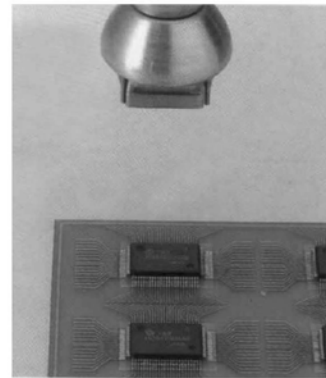


Fig. I

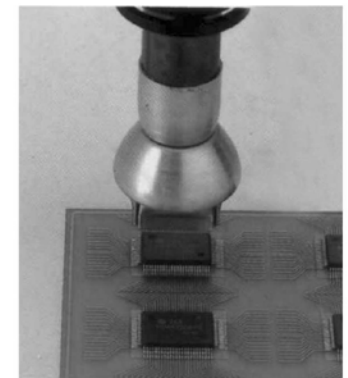


Fig. II

- Washing

When soldering is completed, Wash away the flux.

Note: The machine may cause the defects such as solder balls, solder bridges.

Please examine the conditions of soldering sufficiently.