

SOLDER

PEAK

Hot Air SMD Rework Station Model: ZD-8908

1.



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2. IMPORTANT SAFETY INFORMATION

- When using electrical appliances basic safety precautions should always be followed.
- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the appliance to the mains power supply.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not leave the station unattended while it is switched on.
- Do not use in an explosive atmosphere or around flammable materials.
- Do not expose to rain or moisture.
- Never place the product or part of it in water, or operate if your hands are wet.
- Never touch the heater pipe or allow for the heated air to blow against your skin.
- Do not disassemble the product.
- Make sure the power switch is in the “off” position and disconnect the plug when the unit is not in use.
- When attaching the nozzle, do not press the nozzle or pull on the edge of the nozzle using pliers and be sure not to over tighten the screw.
- The power will automatically be turned off when the unit exceeds a certain temperature.
- Once the temperature has dropped off to a safe level, the power will automatically be turned back on.

3. Features

Hot air SMD rework station
Accurate & stable control on temperature
Auto-standby function, energy saving
Quick heating up
Automatic cooling system
Soft air flow and super low noise during operation

4. Specifications

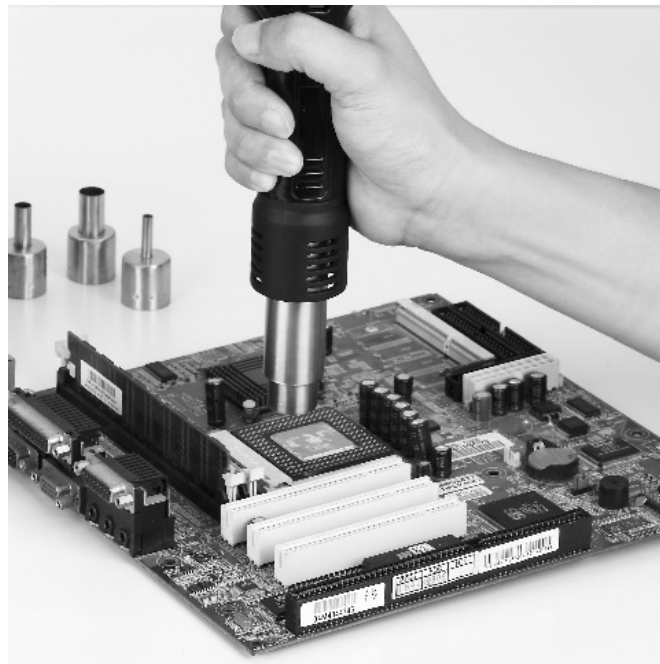
Power - 300W
Voltage - 220-240Vac 50Hz
Temperature - 100-500°C
Display - LED

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5. Operation

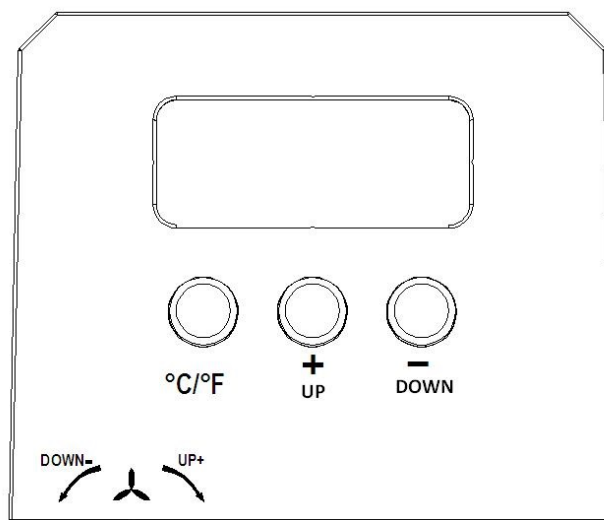
- Connect the mains plug to a socket.
- Assemble the nozzles into position. Note: Try to use nozzles with a larger diameter.
- Turn on the power switch, set the air flow rate and temperature and put the unit on the racket.
- Put the nozzle on the pins of the IC, so that the hot air can melt the solder tin on the IC pin, then use the tweezers to remove the IC.
- After use, turn off the power switch, remove the plug from the power supply and allow to cool before storing in a safe place out of children's reach.



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6. The display and temperature setting



1. Press the button “+(UP)” or “-(DOWN)”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. “°C/ °F” is the transfer button between °C/ °F

The default unit is °C, press the “°C/ °F” button to make change between °C and °F.

3. The air flow rate can be adjusted by the knob under the ↻ the fan symbol.

When you rotate the knob to the DOWN- side, the air flow slows down;

When you rotate the knob to the UP + side, the air flow goes up;

4. 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.

7. QFP Soldering:

(The nozzles for soldering are optional, and need to be purchased separately)

* **Apply the solder paste**

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

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* Preheat SMD

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

* Soldering

Heat the lead frame evenly. (Fig. II)

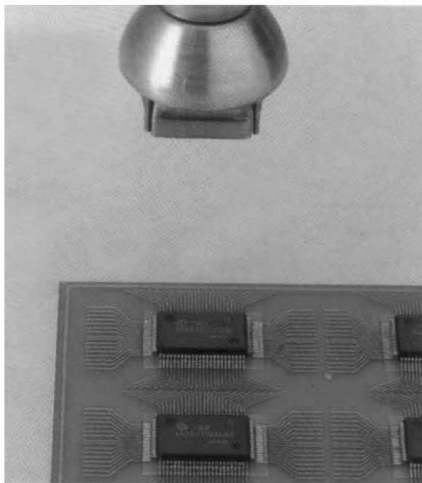


Fig. I

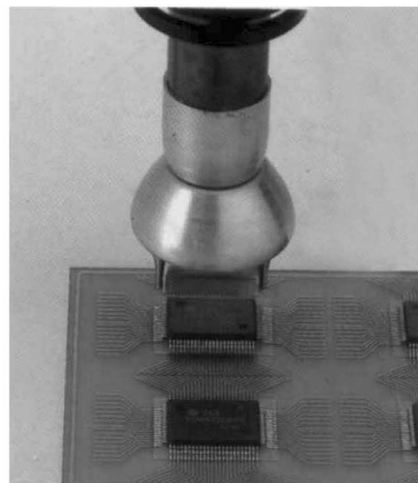


Fig. II

* Washing

When soldering is completed, please wash away the flux.

Note: While you do soldering by Hot air, the defects such as solder balls, solder bridges might occur. We recommend you to examine the conditions of soldering sufficiently.

8. Precautions:

* **This tool must be placed on its stand when not in use.**

* Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children.

* **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

* **Overheat protection**

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

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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.