



BK850D

Intelligent hot air soldering rework station Instruction Manual

NOTE:

- Please follow the instructions to avoid accidents.
- For your own safety, please read the instruction carefully. Fully understand how to use the product, to prevent any accidents due to improper use.
- Please keep it for your reference after reading.

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Attention points

When in use, the temperature of the nozzle is between 100°C and 500°C.

Considering that it may cause burns or fire, please strictly observe the following:

When installing the nozzle, do not install it hardly, or use pliers to pull the edge of the nozzle, and do not tighten the screws tightly.

When installing the nozzle, it must be installed after the heating element is cooled. Do not touch the heating tube, or spray hot air directly on your face, as there is a risk of burns. At the beginning of the start. White smoke may be emitted, this is normal, and this phenomenon will disappear later.

When replacing the heating element, be careful not to damage the grounding wire.

When replacing, pay attention to the order and color of the connecting wires!

Please replace the heating element of the same model.

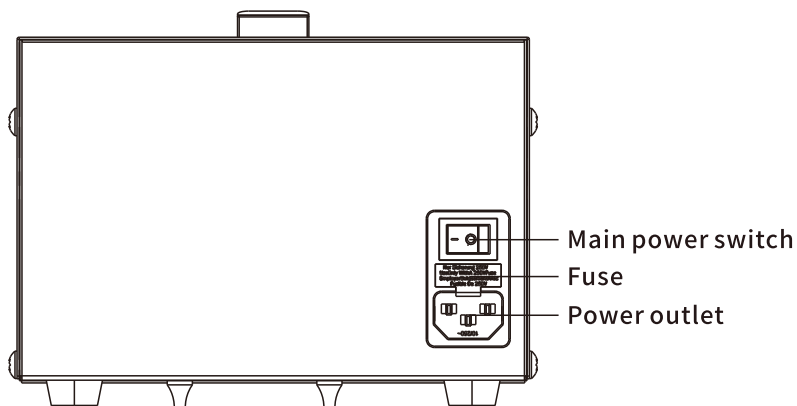
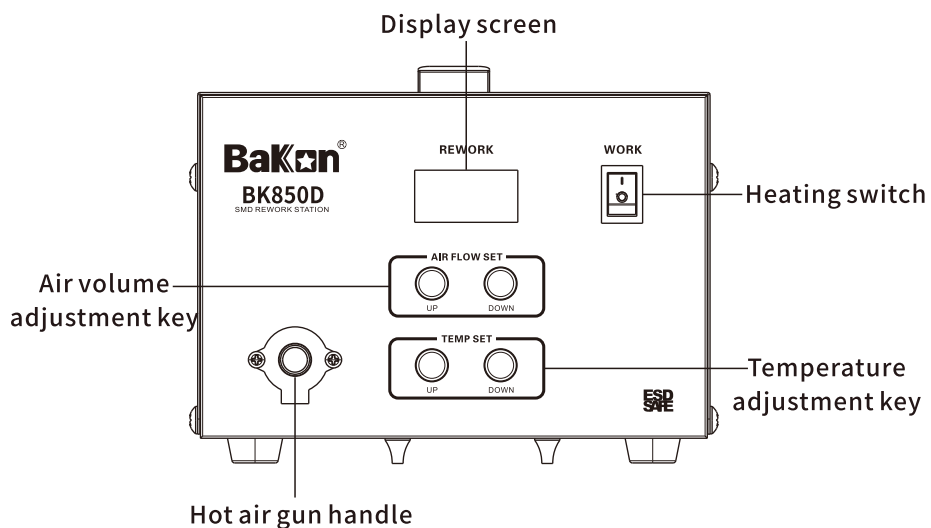
*After the machine has passed various standard inspections, the actual temperature aging test will be carried out. The air outlet of some air gun steel cylinders is slightly dark yellow, which is a normal phenomenon, hereby explain!

In order to avoid damaging the product and keep the working environment safe, the following items should be observed:

- Do not knock the host or strong impact.
- Be sure to ground before use.
- Do not disassemble the host or hot gun.
- Do not modify this product.
- When replacing parts, please use our original parts.
- Do not wet the machine, do not use when hands are wet.
- Please ventilate when working.
- When using, do not make any actions that may harm the human body or damage objects.

The company reserves the right of design changes and final interpretation of the product. The pictures in the manual are for reference only, and the product is subject to the actual product.

Panel diagram



Packing list

Host	1PCS
Soldering handle	1PCS
Soldering stand	1PCS
Power cable	2PCS
Manual	1PCS

Product specifications

Name	Intelligent hot air soldering rework station
Input voltage	AC 230V/50Hz
Output Power	550W
Airflow type	Air pump
Air flow volume	28L/Min
Temperature adjustment range	100~500°C
Display form	LED digital tube
Temperature stable form	±3°C
Noise	<45dB
Working environment	-5~45°C
Handle length	120cm
Dimension	L253xW187xH143mm
Net Weight / Gross Weight	≈3.2kg/3.6kg

Product features

- 1.Air pump-style air supply for rapid temperature rise and convenient temperature setting;
- 2.Adjustable airflow and temperature, suitable for removing various types of chips such as QFP, SOP, PLCC, or SOJ;
- 3.Utilizes high-quality heating elements for stable performance and long lifespan;
- 4.Features both Fahrenheit and Celsius display functions;
- 5.The hot air gun is equipped with an automatic cooling and standby function.

Product Usage

1. Suitable for the desoldering of a variety of components, such as: SOIC, CHIP, QEP, PLCC, BGA, SMD, etc. (especially suitable for the desoldering of mobile phone cables and cable holders).
2. It can be used for heat shrinkage, drying, paint removal, debonding, thawing, preheating, glue welding, etc.

Operating instructions

Attention

Place the soldering rework station, and remove the air pump transportation fixing screws at the bottom of the chassis at this time, otherwise the machine will vibrate strongly, which will affect the performance of the whole machine. For example, the fixing screws must be installed during transportation! Prevent damage to the air pump due to falls or vibrations during transportation!

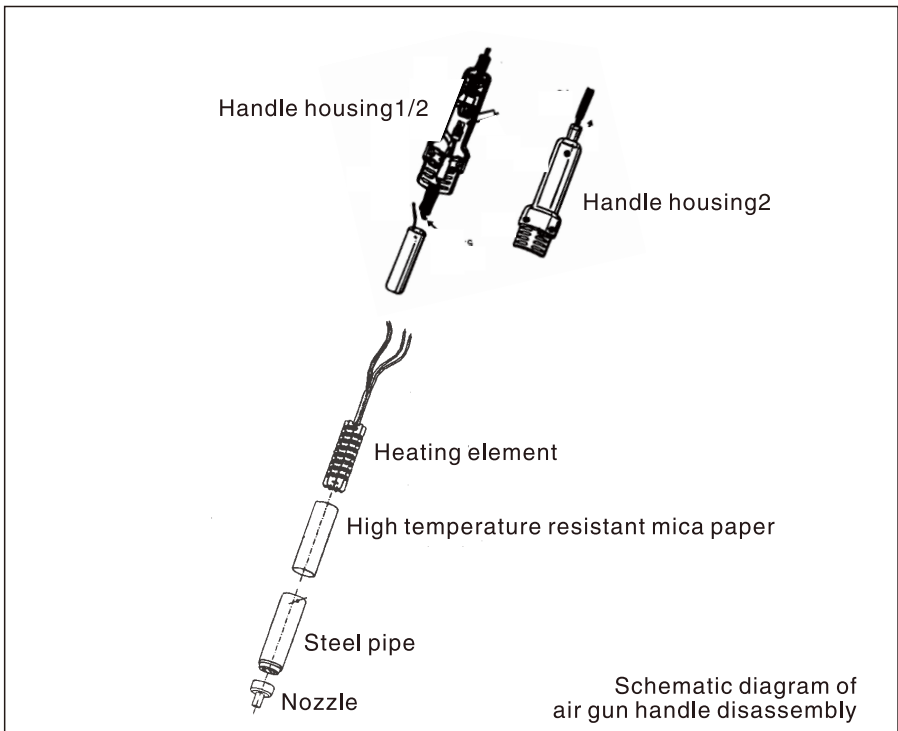
1. Connect the power supply and install the required nozzle.
2. Turn on the main power switch located on the rear panel of the machine. When the "WORK" heating switch on the front panel is not turned on, the digital screen will display the standby status "---". After turning on the heating switch "WORK", the digital screen will display the heating status.
3. When the hot air gun is not in use for a short period, place the handle of the hot air gun on the holder, and the hot air gun will automatically enter standby mode with the digital screen displaying "---". To wake it up, simply pick up the hot air gun again to enter working mode. If the work is completed and the hot air gun will not be used for a long time, turn the "WORK" control switch to the "OFF" position.
4. After completing the work, please place the handle on the handle rack, turn off the "WORK" heating switch, and let the digital screen display "---" to enter standby mode. Turn off the main power switch located on the rear panel of the machine if the entire machine is not in use.
5. Airflow setting: Adjust the airflow by directly pressing the "UP" or "DOWN" button in the "AIR" area.
Airflow adjustment range: 16 levels (F01~F16)
6. Temperature setting: Adjust the temperature by directly pressing the "UP" or "DOWN" button in the "TEMP" area.
7. Temperature calibration: With the "WORK" switch turned on, simultaneously press the temperature adjustment buttons "UP" and "DOWN" in the "TEMP" area to select "-01". After the temperature is displayed, press the "UP" or "DOWN" button to calibrate. After setting, "EP" will be displayed to save the temperature.
Temperature calibration compensation: (+80°C-80°C; +144°F-144°F)
8. Celsius/Fahrenheit switching (°C/°F): With the "WORK" switch turned on, simultaneously press the temperature adjustment buttons "UP" and "DOWN" in the "TEMP" area to select "-02". After "C" or "F" is displayed, press the "UP" or "DOWN" button to switch.
Temperature range: (100°C500°C) (212°F932°F)
9. Displaying "---" indicates standby mode with the heating switch off.
9. Displaying "H-E" indicates an abnormal heating core alert. Displaying "S-E" indicates an abnormal sensor alert.

Usage notice

1. There may be extremely high temperatures at the air outlet and surrounding areas of the hot-air soldering rework station, so be careful not to burn
2. The heating handle must be placed on the handle rack, and must not be placed on the work surface or other places
3. Please keep the air outlet unobstructed without obstruction.
4. After the work is completed, the heating handle must be placed on the handle frame, and the soldering rework station will automatically cool down and display "---" before turning off the power switch.
5. When in use, the distance between the air outlet and the object is at least 2mm, calculated as the air outlet.
6. According to the work requirements, select the appropriate nozzle. The temperature of different nozzles may be slightly different.

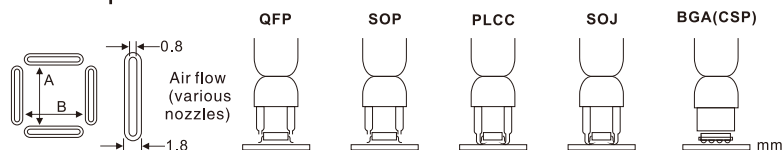
Heating core replacement

1. When replacing the heating element, it should be replaced when it is cooling.
2. As shown in the figure, loosen the two fixing screws on the handle.
3. Unscrew the handle assembly, and then take out the handle housing.
4. Gently remove the fan and take out the 3 screws on the fixed wiring board.
5. Turn the wiring board upside down, remove the connecting wire of the hot body from the wiring board, and pay attention to its connection position.
6. Take out the heating element and the mica paper covering the heating element from the steel pipe, being careful not to break the connecting wire on the steel pipe.
7. Wrap the new heating element with mica paper, insert it into the steel pipe, and pay attention to the installation of the heating element in place.
8. Connect the connecting wire of the heating element according to the original position.
9. Reinstall the handle according to the reverse procedure when disassembling.

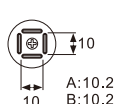


Nozzle selection

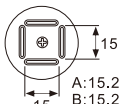
Nozzle specifications and dimensions indicate the size of the IC



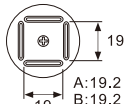
A1125B QFP 10□10



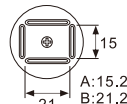
A1126B QFP 14□14



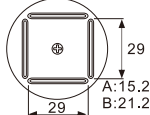
A1127B QFP 17.5□17.5



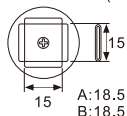
A1128B QFP 14□20



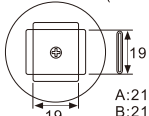
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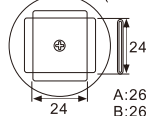
A1135B PLCC 17.5□17.5
(44Needle)



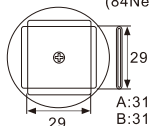
A1136B PLCC 20□20
(52Needle)



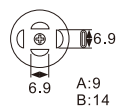
A1137B PLCC 25□25
(68Needle)



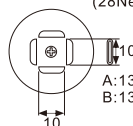
A1138B PLCC 30□30
(84Needle)



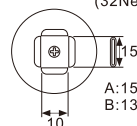
A1139B PLCC 12.5□7.3
(18Needle)



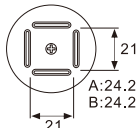
A1140B PLCC 11.5□11.5
(28Needle)



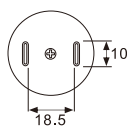
A1141B PLCC 11.5□14
(32Needle)



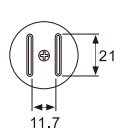
A1182B BQFP 24□24



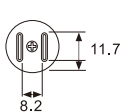
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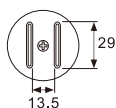
A1257B SOP 11□21



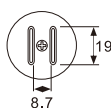
A1258B SOP 7.6□12.7



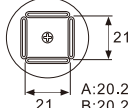
A1259B SOP 13□28



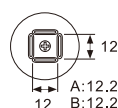
A1260B SOP 8.6□18



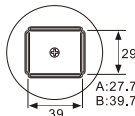
A1261B QFP 20□20



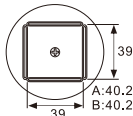
A1262B QFP 12□12



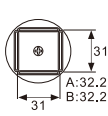
A1263B QFP 28□40



A1264B QFP 40□40



A1265B QFP 32□32



Attention:

This soldering station adopts the heating principle to realize the extremely fast heating of the soldering station. The quality of the heating core and the soldering iron tip directly affects the reheating performance and reliability of the soldering station. In order to ensure the good performance of the soldering station, please select the original heating core and Soldering iron tip, thank you!

Repair Warranty (Principle)

Model: _____ Date of Production: _____
Customer: _____ Date of Purchase: _____
Product No: _____ Issued by: _____

From the date of purchasing, we provide ____months repair warranty

After Sale Suggestion (Subordinate)

Customer: _____
Delivery Date: _____ Tel: _____
Address: _____

Distributor: _____
Invoice NO: _____ Invoice Date: _____
Product Model: _____ Product NO: _____

Warranty Terms:

- 1.The table for feedback from customers should be returned to our company within a month after the date of purchase.In this way,customers may enjoy one-month repair warranty.
- 2.Repair Warranty and Purchase Certificate should be presented.The warranty only applies when all the required documents are available.
- 3.The warranty does not apply when the equipment has received damage through abuse, carelessness,improper installation,accident or mishandling during shipment,connecting to improper line voltage,or has been serviced by anyone other than an authorized factory representative.
- 4.After the warranty period,we are ready to provide charged repair service,perfect as always.

Dear Sir / Madam :

Thank you for purchasing our products.To improve our service and ensure the proper use of our products,please kindly write down your suggestions.

Name of Product: _____

Date of Purchase: _____

Your Suggestions: _____

Package: _____

Functions: _____

Others: _____

Date: _____

Bakon®

GUARANTEE CARD

The product conforms to the technical standards

Q C .



SHENZHEN BAKON ELECTRONIC TECHNOLOGY CO.,LTD.

Warranty card

The warranty is valid in one year since the purchase of this ,any quality problem found,please send back to us with courier fee to be collected,upon receipt of the returning unit,we will repair it and send back to customer within two working days.

Notice:Please enclose the warranty card along with the returning product, or else we have the right to reject the repairing,thanks for your corporation.



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