



BK701D

2 in 1 rework station

Instructions for use

Notice:

- This product is an electrical product, and safety matters should be observed to avoid accidents.
- In this manual, important matters to prevent accidents and the use of the product are pointed out. Please read this manual carefully and use this product safely.
- After reading, please keep it well for easy reference.

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Attention

When in use, the nozzle temperature is between 100°C and 480°C. In view of the possibility of burns or fire caused by abuse, please strictly observe the following:

1. When installing the wind nozzle, do not push too hard or pliers to pull the edge of the nozzle, and do not tighten the screws.
2. When installing the nozzle, the nozzle must be installed after the heating element is cooled.
3. Do not touch the heating tube or spray hot air directly on your face, which may cause burns to the human body. At the beginning of the startup, white smoke may be emitted. This is a normal phenomenon and will disappear later.
4. When replacing the heating element, be careful not to damage the grounding wire!
5. Pay attention to the order and color of the connecting wires when replacing! Can't be wrong!
6. Please replace the heating element or heating element of the same model!

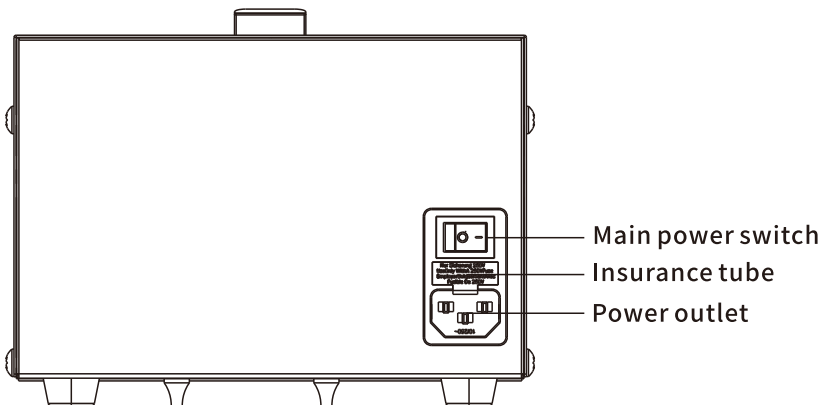
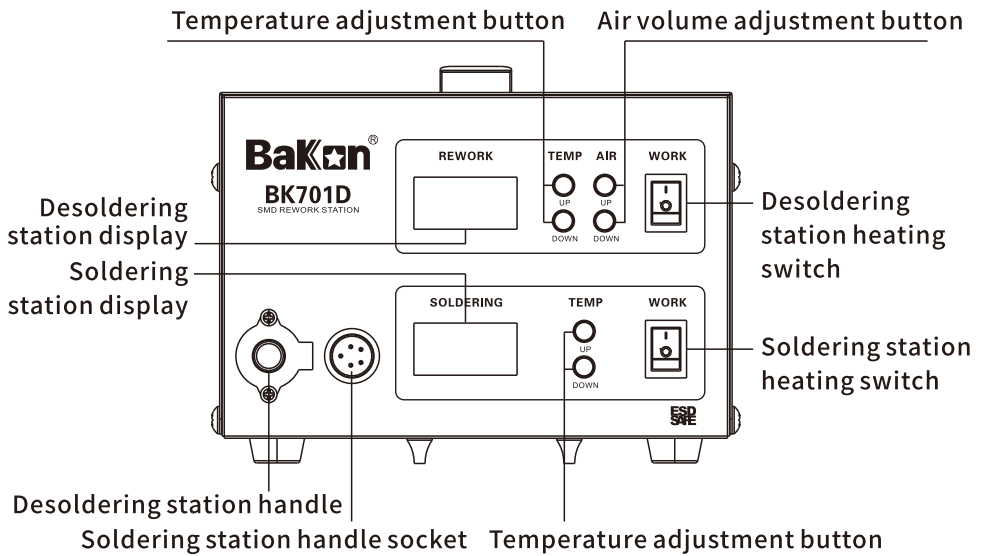
* After the machine has passed various standard inspections, the actual aging test is carried out. The air outlet of some air gun steel cylinders is slightly dark yellow, which are all normal phenomena, hereby explain!

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

- Do not knock or strong impact host.
- Be sure to ground before use.
- Do not disassemble the host or hot air gun.
- Do not modify this product.
- When replacing parts, please use our original parts.
- Do not get the machine wet, nor use it when your hands are wet.
- Please ventilate when working.
- When using this machine, do not do any behavior that may harm the human body or damage objects.

Note: The company reserves the right to design changes and final interpretation of the product. The pictures in the manual are for reference only, and the actual product shall prevail.

Panel diagram



Packing list

Host	1PCS
Soldering handle piece	1PCS
Hot air gun handle piece	1PCS
Soldering iron stand (with Cleaning sponge)	1PCS
Power cable	1PCS
Nozzle	2PCS
Manual	1PCS

Product specifications

Host

Output Power	700W	Input voltage	AC 230V 50Hz
Working environment	-5~45°C	Dimension	L253xW187xH137mm

Rework station

Airflow type	Air pump	Air flow volume	28L/min
Temperature adjustment range	100°C~500°C	Temperature stability	±3°C
Display form	LED	Handle line length	120cm

Soldering station

Temperature adjustment range	100°C~480°C	Temperature stability	±2°C
Soldering tip to ground voltage	<2mV	Resistance of soldering tip to ground	<2ohm
Display form	LED	Handle line length	100cm

Product feature

- 1.It adopts the C1321 plug-in heating core, making it convenient to replace the heating core.
- 2.The heating element is made of imported temperature-resistant materials with advanced craftsmanship, ensuring a long lifespan.
- 3.Air-pump type air delivery allows for rapid temperature rise and easy temperature setting.
- 4.Adjustable airflow and temperature settings are suitable for removing various chips such as QFP, SOP, PLCC, or SOJ.
- 5.The hot air gun features automatic sleep and cooling functions.
- 6.After turning off the heating switch, the automatic cooling system starts to work, preventing overheating of the heating elements.
- 7.It has both Fahrenheit and Celsius display functions.

6. With Fahrenheit/Celsius display function.
7. After finishing the work, turn off the heating switch and display "---" to enter the standby state.

Product Usage

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

Instructions

Notice:

Place the desoldering station, at this time, remove the air pump transportation fixing screws at the bottom of the chassis, otherwise the machine will vibrate strongly, which will affect the performance of the whole machine. If 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 air nozzle and soldering iron handle.
2. First, turn on the main power switch located on the rear panel of the machine. When both heating switches are off, the two digital displays will show a standby status "---". Turn on either heating switch, and the digital display will show the status of that circuit. Adjust the corresponding UP/DOWN buttons to set the desired temperature and airflow, Display EP, indicating successful saving, and begin normal operation.
3. When the soldering iron is not in use, turn the corresponding control switch to the OFF position to put the soldering iron into sleep mode, reducing the oxidation rate of the soldering iron tip.
4. When the hot air gun is not in use for a short period, place the hot air gun handle on the stand, and the hot air gun will automatically enter sleep mode and cool down. The station will display "---", and the hot air gun will enter sleep mode when the outlet temperature drops below approximately 100°C. To wake it up, simply pick up the hot air gun again to resume working. If the hot air gun is not to be used for an extended period after work, turn the hot air gun control switch to the "OFF" position.
5. Airflow setting: Adjust directly by pressing the "UP" or "DOWN" button in the "AIR" area; airflow adjustment range: 16 levels (F01~F16).
6. Temperature setting: Adjust directly by pressing the "UP" or "DOWN" button in the "TEMP" area;
Soldering iron temperature range: (100°C/480°F) ~ (212°F/896°F);
Hot air gun temperature range: (100°C/500°F) ~ (212°F/932°F).
7. Hot air gun temperature calibration: First, turn on the hot air gun's "WORK" switch and simultaneously press the "UP" and "DOWN" buttons to enter the function selection interface. Press "UP" or "DOWN" to select "-01", and wait for 3-4 seconds to automatically enter the compensation interface. Then, press "UP" or "DOWN" to adjust the +/- compensation based on the actual temperature (in Fahrenheit mode, "-" indicates temperature reduction). After setting, wait for 2-3 seconds, and "EP" will be displayed to automatically save and exit.
- Temperature calibration range: +80°C-80°C; +178°F-178°F.
8. Soldering iron temperature calibration: First, turn on the hot air gun's "WORK" switch (calibration method is the same as above);
Temperature calibration range: +99°C-99°C; +144°F-144°F.
9. Celsius/Fahrenheit switch (°C/°F): The method is the same for both the hot air gun and soldering iron; in the corresponding setting window, turn on the "WORK" switch and simultaneously press the "UP" and "DOWN" buttons to enter the function selection interface. Press "UP" or "DOWN" to select "-02", and wait for 3-4 seconds to automatically enter the selection interface. Then, press "UP" or "DOWN" to select the desired unit. After selecting, wait for 2-3 seconds, and "EP" will be displayed to automatically save and exit.
10. Error codes: Displaying "H-E" indicates an abnormal heating element alert; displaying "S-E" indicates an abnormal sensor alert.

Usage notice

1. Please place the handle of the air gun on the handle frame when turning on the power.
2. Please keep the air inlet and outlet unobstructed without obstruction.
3. After the work is completed, the heating handle must be placed on the handle holder, the heating switch should be turned off, and the power switch should be turned off when the whole machine is not used.
4. For the fan type, when using a smaller nozzle other than the standard nozzle of the machine, the air volume must be adjusted to the maximum, use a lower temperature, and use it in a short time to avoid long-term use of the air gun.
5. According to the work requirements, choose a suitable air nozzle. The temperature of different air nozzles may vary slightly. The distance between the air outlet and the object is at least 2mm.
6. After the soldering iron is used for the first time, pay attention to check the temperature of the soldering iron tip. When the temperature is just enough to deepen the tin wire, plate a layer of tin on the soldering iron tip, and then adjust the temperature to the desired temperature.
7. The temperature of the soldering iron tip should not be too high, too high temperature will weaken the function of the soldering iron tip. When the interval is not in use, the temperature can be lowered.
8. Use a cleaning sponge to clean the soldering iron tip regularly. After use, the soldering iron tip should be wiped clean and plated with a new tin layer to prevent oxidation of the soldering iron tip.

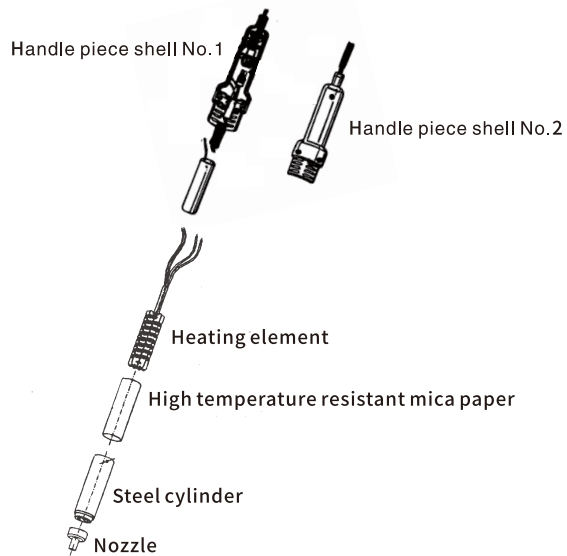
Replaceable component description

I .Replacement of the heating element of the heat gun (Picture 1)

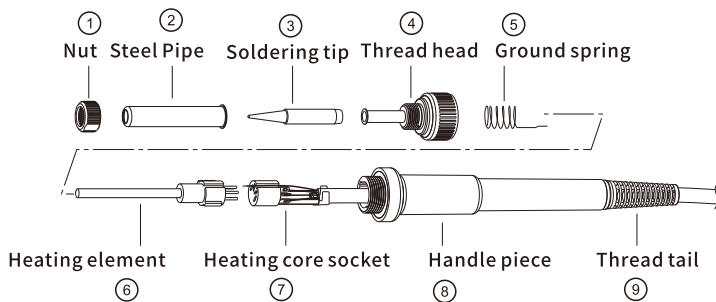
1. The heating element should be replaced when it is cooling down.
2. As shown in the figure, loosen the two fixing screws on the handle.
3. Unscrew the handle assembly, and then take out the handle housing.
4. Gently remove the fan and take out the 3 screws on the fixed wiring board.
5. Turn the wiring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

II .Replacement of soldering iron heating core and soldering iron tip (Picture 2)

1. Unscrew the nut 1, and then take out the steel pipe 2. At this time, the soldering iron tip can be removed for replacement.
2. If you need to replace the soldering iron heating core, you can continue to unscrew the threaded head 4, pull out the heating core 6 and heating core socket 7, pay attention to the connection line of the spring 5.
3. Solder the soldering iron core from the circuit board, replace with a new heating core, and install it. Pay attention to the connection sequence of the soldering iron core leads.



Schematic diagram of air gun handle removal Picture 1



Picture 2

Schematic diagram of disassembly and assembly of soldering iron

Soldering iron maintenance

To make sure the soldering station works normal, please observe below.

1. Clean up

- Clean the soldering iron and the station case with a piece of cloth and cleanser.
- Keep the away from liquid and do not drench the station in fluid.
- Do not clean the housing with solvent.

2. New tip

- Please use original tips only.
- When replacing a new tip, please follow below instructions to prolong tip life.

- 1) Turn the revolver to a low temp., turn the power on.
- 2) When the station heats up to 200°C, plate a layer of tin on the tip working area.
- 3) Temp. Keeps increasing, 5 minutes later, set the working temp. by the knob.
- 4) When it reaches working temp. it is ready to use.

△ Note: After replacing the tip, it is suggested to take out the tip and clean residue from the tip everyday.

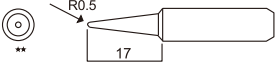
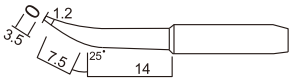
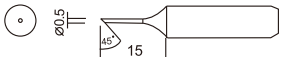
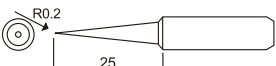
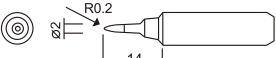
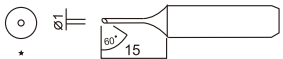
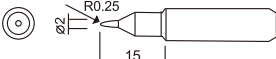
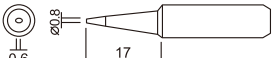
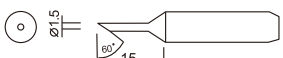
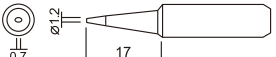
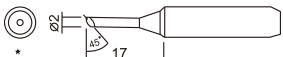
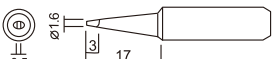
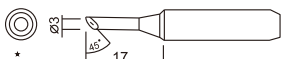
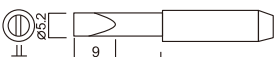
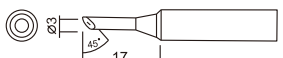
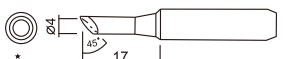
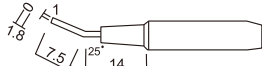
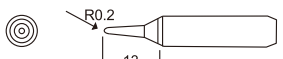
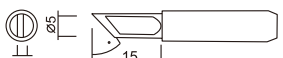
3. Maintenance of the tip

The soldering tip used are made of alloy, if used properly, it could enjoy a very long service life.

- Tinning the soldering tip when finished using the unit, wipe the tip only before soldering.
- Do not use the tip at too high a temp. it may damage the plating.
- Do not press the tip with heavy strength, it will not increase heat conductivity.
- Do not scrub the tip with rough subject like knife or grater.
- Use active flux solder as less as possible because more active flux solder will speed up the coating corrosion.

△ Note: Take the tip out the soldering iron and clean out the residue 24 hours or at least a week.

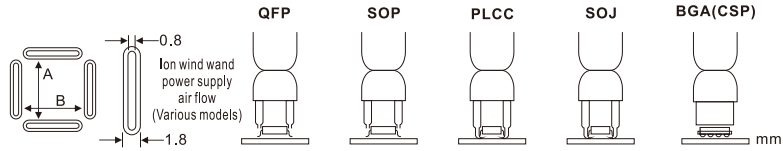
900M Series soldering tip

900M-T-B		900M-T-H	
900M-T-BF2	**	900M-T-0.5C	
900M-T-LB		900M-T-0.8C	
900M-T-SB		900M-T-1C	
900M-T-S4		900M-T-1CF	*
900M-T-0.8D		900M-T-1.5CF	
900M-T-1.2D		900M-T-2C	
900M-T-1.6D		900M-T-2CF	*
900M-T-2.4D		900M-T-3C	
900M-T-3.2D		900M-T-3CF	*
900M-T-S3		900M-T-S10	
900M-T-1.2LD		900M-T-4C	
900M-T-2LD		900M-T-4CF	*
900M-T-1.8H		900M-T-S11	
		900M-T-I	
		900M-T-SI	
		900M-T-K	

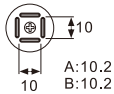
★ Only working area of the tip tinned ★ 900M tip out dia.6.5mm ★ Applicable to 936,937 soldering stations and all the resistance ceramic heating soldering stations

Nozzle selection

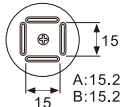
Nozzle specifications and dimensions indicate the size of the IC



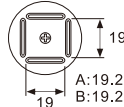
A1125B QFP 10×10



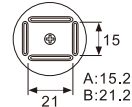
A1126B QFP 14×14



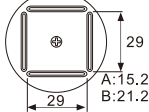
A1127B QFP 17.5×17.5



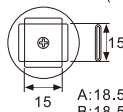
A1128B QFP 14×20



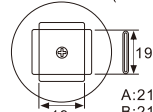
A1129B QFP 28×28



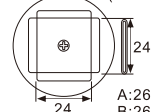
A1135B PLCC 17.5×17.5 (44Needle)



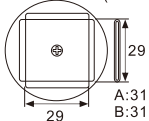
A1136B PLCC 20×20 (52Needle)



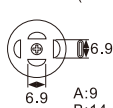
A1137B PLCC 25×25 (68Needle)



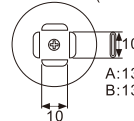
A1138B PLCC 30×30 (84Needle)



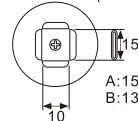
A1139B PLCC 12.5×7.3 (18Needle)



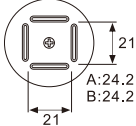
A1140B PLCC 11.5×11.5 (28Needle)



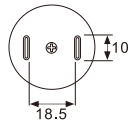
A1141B PLCC 11.5×14 (32Needle)



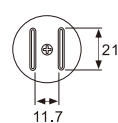
A1182B BQFP 24×24



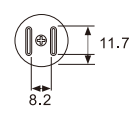
A1187B TSOL 18.5×8



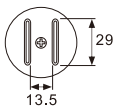
A1257B SOP 11×21



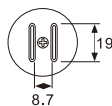
A1258B SOP 7.6×12.7



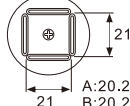
A1259B SOP 13×28



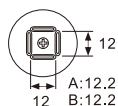
A1260B SOP 8.6×18



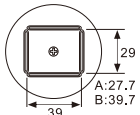
A1261B QFP 20×20



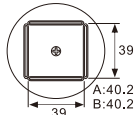
A1262B QFP 12×12



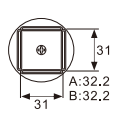
A1263B QFP 28×40



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.



SHENZHEN BAKON ELECTRONIC TECHNOLOGY CO.,LTD.

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MFR: Henan Bakon Tools Co., Ltd.

ADD: No.7 Building,Jinrong Technology Park, Airport Port Zone, Zhengzhou City, Henan Province, China

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