



BK90

HIGH-EFFICIENCY SOLDERING STATION



Caution:

- This product is electrical products, please follow the precautions.
- Please follow the instructions to avoid accidents.
- Please keep the manual for reference after read.

Catalogue

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Cautions

Solder tip is about 180-480°C while using, please follow below points in case any injury or accident:

- No using while flammable and explosive substance.
- Please make sure the parts fits to the machine before replacement.
- Power off and make the machine cool before replacing spare parts or adding nozzle.

Please follow below points to keep the working environment safe and extend life time of the machine:

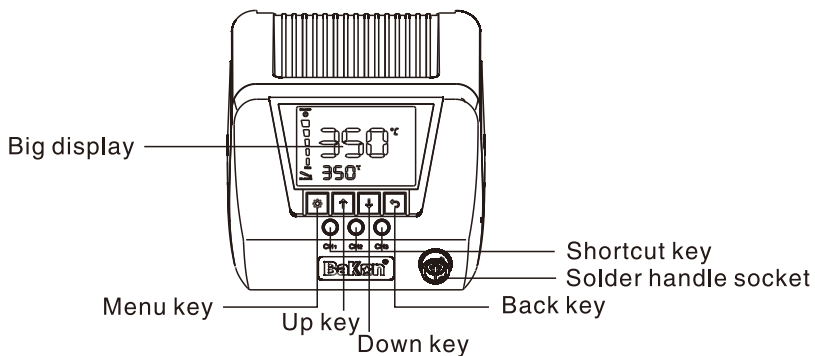
- Do not strike or hit the machine.
- Make sure the machine ground well before using.
- Do not open the machine or rework gun except professional staff.
- Do not change the parts of the machine.
- Please use original parts.
- Do not get the machine wet or touch the machine with wet hands.
- Please provide good ventilation environment before using.
- Please follow operation rules in case any damage to any person or parts.

Caution:

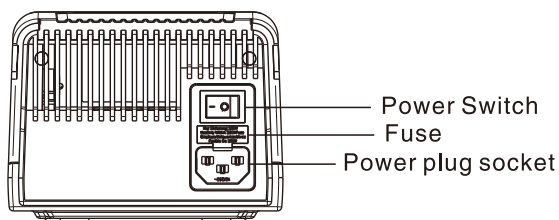
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Product Figure

Front Side:



Back side:



Packing List

Machine	1PCS
Solder Handle	1PCS
Solder stand(with sponge and clean ball)	1PCS
Manual	1PCS

Products Specifications

Machine

Output power	90W (Max)	Dimensions	150×130×99mm
Input voltage	AC 230V 50Hz	N.W/G.W	≈2.2Kg/≈2.5Kg

Solder handle

Output power	90W (Max)	Input voltage	AC 28V 50Hz
Temperature Range	180°C~480°C	Resistance (tip to ground)	≤2 Ω
Voltage (tip to ground)	≤2mV		

Product Features

1. Large LED Display with beautiful interface.
2. Fast heating speed with new-updating PCB circuit design.
3. Stable Temperature with micro-computer control.
4. 3 shortcut keys for temperature fast adjustment.
5. Saving life time with auto-sleep function.
6. Heater with short circuit protection, Sensor faulty warning function.
7. Easy replacement of spare parts with plug type heater and plug type solder tip.
8. Password protection function.

Menu Setting

1. Temperature setting for solder handle

Press menu key for entering menu, then press up or down key to choose the right option(-1-), then press menu key for setting the temperature of solder handle, then press up or down to set the temperature(range: 180-480°C, 356-896°F), then press menu key for saving.

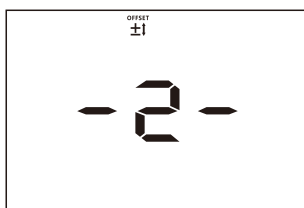


2. Temperature compensation setting for solder handle

Temperature compensation setting for solder handle

Press menu key for entering menu, then press up or down key to choose the right option(-2-), then press menu key for setting the temperature compensation of solder handle, then press up or down to set the right value(range: $\pm 50^{\circ}\text{C}$, $\pm 90^{\circ}\text{F}$), then press menu key for saving.

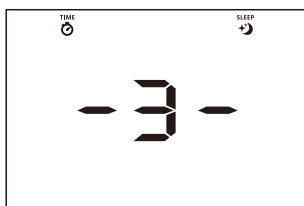
Example: Set temperature 350°C , actual temperature 345°C , same as above steps add 5°C ; Set temperature 350°C , actual temperature 355°C , same as above steps reduce 5°C



3. Auto-sleep function setting for solder handle

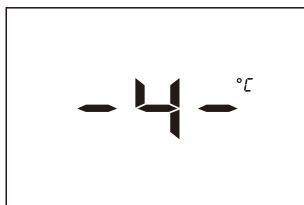
Press menu key for entering menu, then press up or down key to choose the right option(-3-), then press menu key for setting the auto-sleep function of solder handle, then press up or down to turn auto-sleep off or set auto-sleep time (range: OFF, 10-60 mins), then press menu key for saving.

When sleep mode is on, the handle is not shake on the soldering iron rack, automatic system time keeping, will automatic sleep until the set time. the screen would display " --- " when sleep temperature is 180°C , "  " sleep symbol is light on. If want to awake the sleep mode, take out the handle from soldering iron rack and need to slight shake, the system enter to working status immediately.



4. Switch over of °C & °F

Press menu key for entering menu, then press up or down key to choose the right option(-4-), then press menu key for switch over of °C & °F, then press up or down to set temperature unit (range: °C or °F), then press menu key for saving.

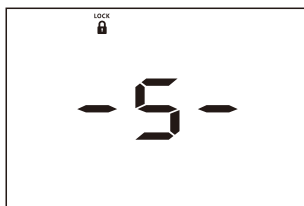


5. Password setting

Setting password for the first time: Press the "*" key to enter the menu setting option, press the "↑" and "↓" keys to select the menu "- 5-", and then press the "*" key to enter the setting mode, press the "↑" and "↓" key to set the password, and press "*" to confirm. Input the new password twice for the first time. Confirm to save and the password setting is completed. (setting range: 000 ~ 999)Change Password: you need to input the old password once and then the new password twice.

How to delete when you forgot password?

When the host is in the shutdown state, press and hold the "*" ↓ "And" ↓ "keys at the same time, turn on the main power switch and display" 000 ", and then release the hand to delete the password.



Auxiliary Function

1. Temperature fast adjustment(the machine without password): press up or down key to adjust the temperature (the fast adjustment would not be saved after power off.)
2. Shortcut key: Press CH1/CH2/CH3 for a fast adjustment to default temperature, long press CH1/CH2/CH3 1 second for revising default temperature(please enter right password while you had set password for the machine), then press up or down key to set the default temperature, then press menu key to save the data.

Maintenance & Replacement of Solder Tip

Please follow below steps in case any faulty with solder working.(please contact local agent or distributor if any uncertain faulty with the machine)

1.Usual cleaning

- Wipe the solder handle and machine with some cleanser with a cloth.
- Do not allow any fluid into the machine.
- Do not wipe the machine with organic solvent.

2.New solder tip

- Please use original 600 Series solder tips.
- Please follow below steps to save life time of solder tip.
 - 1)Power on, set the solder temperature to 200°C, touch the solder wire contained solder flux with tin surface of solder tip head.
 - 2)Keep the solder temperature to 200°C for 2 minutes, then set the temperature to working temperature.

 Caution: do regular cleaning to the solder tip every day.

3.Maintenance of Solder Tip

Please follow below issues to save life time of solder tip.

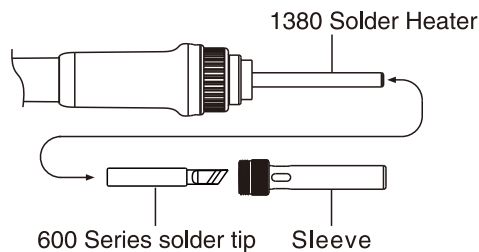
- Do tinning to the solder tip before finishing solder working.
- Do not use the solder handle in high temperature for too long time, or it would reduce life time of solder tip much.
- Do not rub or hit the solder point while soldering or it would reduce life time of solder tip.
- Do not rub the solder tip with rough materials or file.
- Do cleaning with emery cloth then wipe the tip with some benzophenone fluid. Then do tinning to the solder tip with 200 °C Temperature in case any oxidization.
- Do not use solder flux that contains sour or chlorine.

⚠ Caution: do regular cleaning to the solder tip every week.

4.Replacement of Solder Tip

Loose the sleeve and pull the solder tip out after power off the machine and the solder tip cool down.

Picture as below:



⚠ Caution: Tightening the sleeve without undue force in case any damage to the solder heater.

5.After-sale Service

Please contact the local distributor or agent if there is uncertain faulty with the machine.

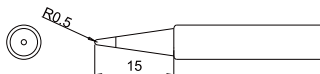
6.Temperature calibration

6.1 The machine should be to do regular temperature calibration to the solder handle. Please do temperature calibration to the solder handle after replacement of solder tips.

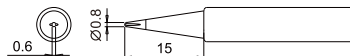
6.2 Follow the temperature compensation setting for solder handle.

600 Series Solder Tip Model

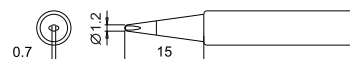
600-B



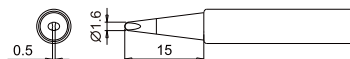
600-0.8D



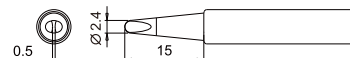
600-1.2D



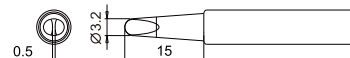
600-1.6D



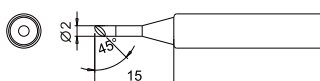
600-2.4D



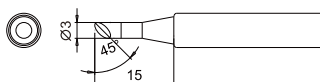
600-3.2D



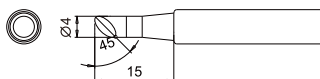
600-2C



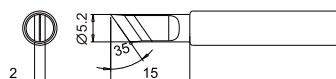
600-3C



600-4C



600-K



Attention:

This soldering station adopts ceramic heating core. The quality of the heating core and soldering iron head directly affect the temperature return 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 head. 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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