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防静电可调恒温焊台

Soldering Station
ESD Safe & Temperature-Adjustable

操作指引

OPERATION INSTRUCTION

中文/English



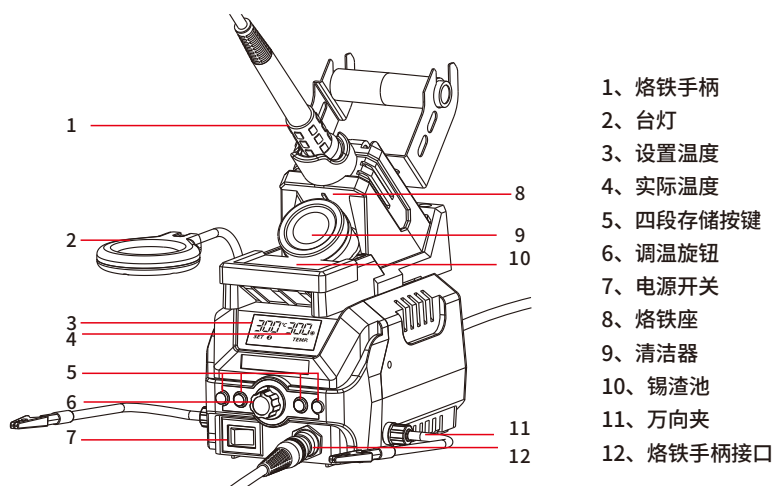
中国制造 Made in China

感谢您购买此产品，使用前请仔细阅读本手册，阅读后请妥善保管，以便日后查阅。
Thank you for purchasing this product. Please read the manual carefully before operating and keep this manual for future reference.

一、用途

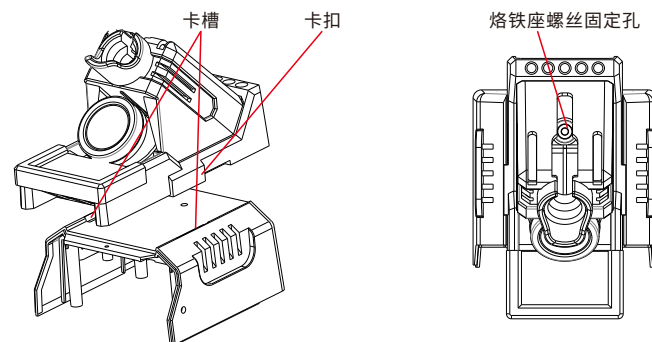
适合多种贴片、直插元件的拆焊及焊接，如：SOP、DIP、SOIC等。

二、产品示意图



三、操作说明

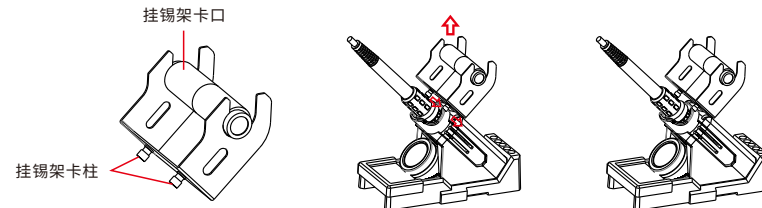
1、根据习惯爱好，可把烙铁座放在主机侧面或主机机盖上，安装方法如下图：



将烙铁座上的卡扣装入卡槽，→在烙铁座螺丝固定孔上装上螺丝，锁紧烙铁座。

2、连接好烙铁手柄，将手柄放在烙铁座中。

3、挂锡架卡口朝上→将挂锡架卡柱装入烙铁座卡槽→平推挂锡架到底。



4、参看面板示意图，将二根万向夹分别拧入主机左右二侧的螺丝孔，并拧紧。

警告：烙铁座、挂锡架的拆装，必须在烙铁冷却状态下进行。

5、接上电源线，打开电源开关，焊台发热丝开始正常加热，

这时焊台工作指示灯（焊台显示窗右下角圆点）亮起！

升温时为常亮，恒温时有规律高速闪动，降温时熄灭。

当焊台工作指示灯有规律高速闪动进入恒温状态后，即可工作！

300.0 程序高速跟踪
温度补偿指示

注意：当烙铁头初次使用时，请把温度设置为250℃/482°F，待其温度刚刚能融化锡丝时，给烙铁头镀上一层新焊锡（含助焊剂），然后再将温度升至所需的温度。

6、作业结束后，可使用湿润清洁海绵或金属丝清理烙铁头，给烙铁头重新镀上一层新的焊锡后，再将烙铁手柄放入烙铁架中，此时关闭焊台开关。如果长时间不使用，需拔掉电源插头。

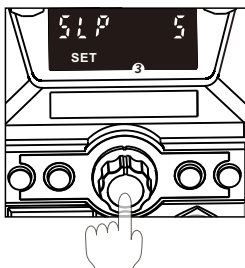
焊台休眠时间设置

- 1、打开焊台开关。
- 2、长按调温旋钮约2秒，显示屏显示“SLP 5”，表示休眠时间为5分钟。
- 3、旋转调温旋钮改变休眠时间，停止操作约5秒，退出设置状态，设置完成。

休眠时间设有0、5、10、15、20、30分钟，当选择“0”时，焊台不休眠。

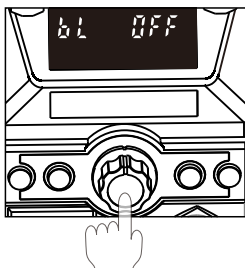
唤醒休眠方法：

a、抖动烙铁手柄几次。b、按一次任何一个键。c、关闭电源开关再打开。



提示音设置

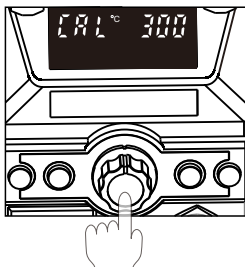
- 1、打开焊台开关。
- 2、长按调温旋钮约2秒，显示屏显示“SLP XX”，再按一次调温旋钮，显示屏显示“bL OFF”，表示关闭提示音。
- 3、旋转调温旋钮启动或关闭提示音，停止操作约5秒，退出设置状态，设置完成。



数字温度校正

由于环境变化或更换发热芯烙铁头等配件引起的温度偏差，可通过此功能校正；温度校正可有效提高作业效率及延长烙铁使用寿命。

- 1、打开焊台开关。
- 2、长按调温旋钮约2秒，显示屏显示“SLP XX”，连续按二次调温旋钮，进入温度校正状态，显示屏显示“CAL 300”。
- 3、旋转调温旋钮输入测量温度，按下调温旋钮确定，程序自动保存数据并退出温度校正状态。如果温度仍有略小偏差，可重复校正。



华氏\摄氏转换设置

此功能可让机器适应不同地区消费者的使用习惯。
点按调温旋钮转换华氏或摄氏温度显示模式。

四段储存功能设置

按CH1按钮，显示屏显示①图标，调节调温旋钮设置所需温度，系统自动储存数据。可分别按CH2、CH3、CH4按钮，设置相应的储存温度

四、保养及注意事项

- 1、如烙铁头表面出现一层氧化物，造成烙铁头低温的假象，无法熔锡和上锡，此时发热芯与烙铁头都处于高温状态。出现这种情况时，不要盲目把温度再调高。应用清洁金属丝清除氧化物，步骤：
 - A、温度设置300°C (572°F)。
 - B、恒温后把烙铁头放入清洁金属丝内轻微摩擦。
 - C、当烙铁头有部分氧化层去除后，在烙铁头上加锡后继续摩擦，重复此操作，直到烙铁头完全上锡。如烙铁头严重氧化，更换新的烙铁头。
- 2、切勿用锉刀剔除烙铁头的氧化物，如果烙铁头变形或衍生铁锈，必须更换新的烙铁头。
- 3、焊接时不要给烙铁头太大的压力，这样不会加速热量传递，反而会使烙铁头受损。
- 4、烙铁高温工作后，放回烙铁架待用时，应把温度旋钮调至250°C (482°F) 以下待用，否则烙铁头长期处于高温备用状态下，使发热芯加速老化，缩短发热芯、烙铁头的寿命。
- 5、使用后，应抹净烙铁头，镀上新锡层，以防止烙铁头氧化。

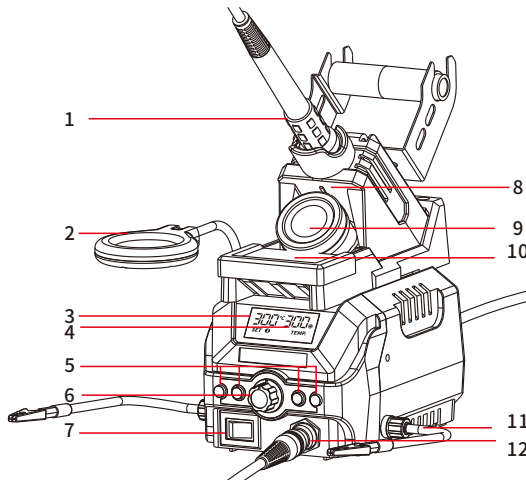
五、故障排除

- 1、显示“S-E”，表示焊台的传感器组件有问题，需要更换发热体（发热材料及传感器组件），或是未插上手柄（请关机插上手柄再重新开机）。
- 2、显示“O-E”，表示焊台升温异常，需要更换发热体（发热材料及传感器组件）或检查发热芯供电电路。

I . APPLICATION

This soldering iron is suitable for desoldering and soldering works on SMT and through-hole components such as SOP, DIP, SOIC, and more.

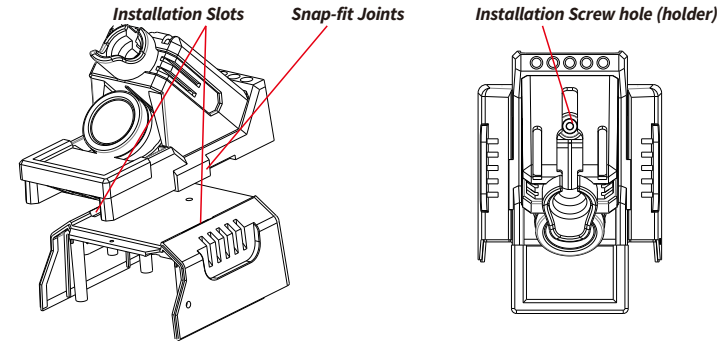
II. PART LIST



1. Soldering Iron
2. LED Lamp (with a magnifying glass)
3. Set temperature
4. Actual temperature
5. Memory Channel Buttons (4-channels)
6. Temperature Adjustment Dial
7. Power switch
8. Holder (Soldering Iron)
9. Soldering Tip Cleaner
10. Residual Tray
11. Helping Hand (Multi-purpose clip)
12. Receptacle (Soldering Iron)

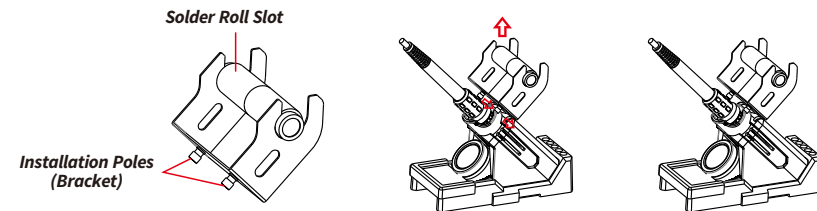
III. INSTRUCTIONS

1. Depending on the users' preferences, it is optional to install the soldering iron holder either at the side of the station or on top of the station. Install the holder as per the diagrams below:



Insert the holder's snap-fit joints into the installation slots, → Insert the screw into the holder's installation screw hole, and fasten the screw to lock the holder into place.

2. Connect the soldering iron to the station, and place the soldering iron into the iron holder.
3. Solder Roll Bracket Facing Up → Slot the solder roll bracket into the installation rails → Push the solder roll bracket all the way to the bottom.



4. Refer to the parts list; Install and tighten the screws of the two helping hands on the left and right sides of the station.

CAUTION: The installation and removal of the iron holder and the solder roll bracket MUST be carried out ONLY when the soldering iron is cooled.

5. Connect the station's power cord to an electrical outlet, and turn ON the power switch. The station's heating element will begin heating, and the station's operating indicator(the dot on the display's bottom right) will turn ON. The light will be ON constantly when heating, blinking when the temperature is stabilized, OFF when cooling. Once the station's indicator light is blinking periodically and enters temperature stabilization, begin your operation.

300

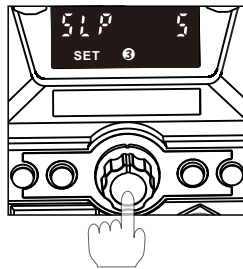
Indicator for program tracking temp. at high speed and making temp. compensation.

CAUTION: Upon the first use of the soldering iron, set the temperature to 250°C/482°F. When the iron is just hot enough to melt solder, coat the soldering iron tip with a layer of solder (the use of rosin core solder is recommended), then set the temperature to your desired temperature.

- When the operation is complete, use a damped sponge or metal wool ball to clean the soldering iron tip. Tin the tip with a new layer of solder again, then put the soldering iron back to the holder, and turn OFF the power switch. If the station is not in use for an extended period, DISCONNECT the power cord.

Sleep mode Configuration

- Turn ON the station's power switch.
- Press and hold the temperature adjustment dial for 2 seconds, and the display will show "SLP 5" to indicate the current sleep mode timer is set to 5 minutes.
- Turn the temperature adjustment dial to set the sleep mode timer. When the system detects no further inputs in 5 seconds, the system will save the settings and exit the interface.



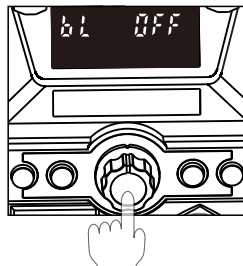
You can select timer settings of 0, 5, 10, 15, 20, or 30 minutes. When "0" is selected, sleep mode is deactivated, and the station will not sleep.

To wake the station:

- shake the soldering iron a couple of times;
 - press any button;
- Or c. Turn OFF then turn ON the power switch.

Buzzer Prompts

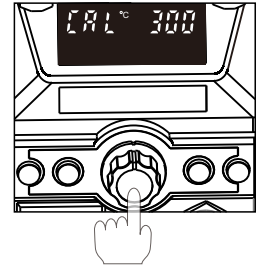
- Turn ON the station's power switch.
- Press and hold the temperature adjustment dial for 2 seconds, and the display will show "SLP XX". Press the temperature adjustment dial again, and then the display will show "bL OFF" to indicate that the buzzer prompter is disabled.
- Turn the temperature adjustment dial to activate or disable the buzzer prompter. When the system detects no further inputs in 5 seconds, the system will save the settings and exit the interface.



Digital Temperature Calibration

Temperature discrepancies may occur due to the change in the operating environment, and the replacement of the heating element, soldering tip, or other parts. This function can help improve work efficiency and extend the lifespan of the soldering iron.

- Turn ON the station's power switch.
- Press and hold the temperature adjustment dial for 2 seconds, and the display shows "SLP XX". Press the temperature adjustment dial 2 consecutive times to enter the temperature calibration interface. The display will show "CAL 300"
- Turn the temperature adjustment dial to enter the tested temperature value, and press the temperature adjustment dial again to confirm entry. The system will save the data and exit the temperature calibration interface automatically. If temperature discrepancies remain, the calibration procedures can be repeated.



Fahrenheit / Celsius Temperature Unit Display

This function complies with different user preferences for users in different regions.

Press the temperature adjustment dial to switch between the Fahrenheit and the Celsius temperature unit display modes.

User Preset Channels (4 available channels)

Press the CH1 button, and the display will show the ① icon, turn the temperature adjustment dial to set your desired temperature, the system will save the data automatically. Press CH2, CH3, and CH4 respectively to set the respective temperatures.

IV. MAINTENANCE & PRECAUTIONS

1. If a layer of oxidization forms on the surface of the soldering iron tip, a misconception can be created that the soldering tip cannot heat up properly to melt the solder and do the tinning. But the actual temperatures of both the heating element and soldering tip are high. In such an instance, please do not increase the temperature value confusedly but use a metal wool ball to remove the oxidization following the steps below:

A. Set the temperature to 300°C(572°F)

B. After the temperature has stabilized, gently rub the soldering iron tip inside the metal wool.

C. When the oxidization is partially removed, continue applying the solder on the soldering tip while rubbing until the iron tip is completely coated with a layer of solder. If the oxidization is too severe beyond cleaning, replace your soldering iron tip.

2. DO NOT use metal files to remove the oxidization on the soldering iron tip. If the soldering iron tip deforms or rusts, replace the soldering iron tip with a new tip.
3. DO NOT apply excessive forces on the soldering tip when soldering. Doing so will not only damage the iron tip but also not improve the heat transfer.
4. When returning the soldering iron to the holder after a high-temperature operation, always turn the temperature down to below 250°C (482°F) to idle. Allowing the soldering iron to idle in high-temperature will shorten the lifespan of the soldering iron and heating element. Additionally, this will also result in the premature aging of the heating element.
5. After every operation, always clean and tin the iron tip with a layer of solder to prevent oxidization.

V. TROUBLESHOOTING

1. "S-E" – This is an indication that the station's sensor module is faulty. You need to replace the heating element (the heating element and the sensor modules). Or it may be that the soldering iron has not been connected (Turn OFF the power, connect the soldering iron, then turn ON the station again.).
2. "O-E" – This is an indication that the system detects abnormalities during the heating process. In such an instance, you need to replace the heating element (the heating element and the sensor modules) or inspect the heating element's power circuitry.

烙铁头型号 (规格和尺寸) Tip style (specifications and sizes)

902系列外径 $\phi 6.5\text{mm}$

902 Series Tip Out Diam $\phi 6.5\text{mm}$

