

防静电二合一拆焊台

Rework Station
ESD-Safe & 2-in-1

声明：本公司保留改进升级产品的权利，产品规格及设计如有变更，恕不另行告知。
Statement: The company reserves the right to improve & upgrade products, product specifications and design are subject to change without notice.

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.

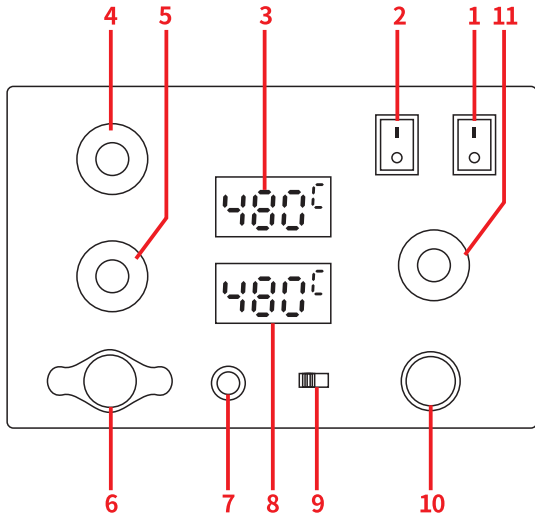
一、用途

- 1、适合多种元件的拆焊及焊接，如：SOIC、CHIP、QFP、PLCC、BGA、SMD等，特别适合排线座的拆焊。
- 2、用于热收缩、烘干、除漆、除粘、解冻、预热、胶焊接等。

二、操作说明

运输之前请务必在机身底部把固定鼓风机的螺丝安装好，否则会引起严重问题。使用前请务必卸下在机身底部固定鼓风机的螺丝，否则会引起严重问题。

面板示意图 (706 II / 706/706+)



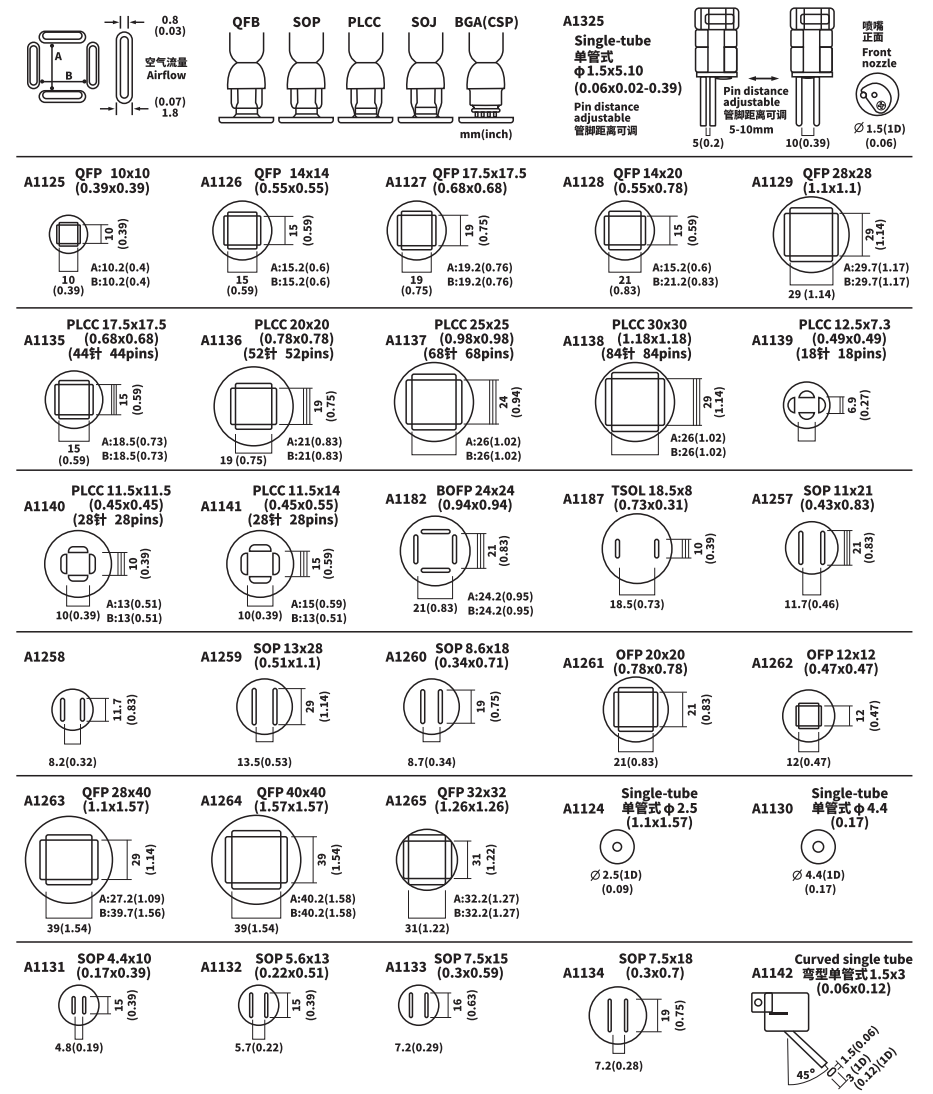
- 1、焊台开关
- 2、风枪开关
- 3、风枪温度显示窗
- 4、风枪调温旋钮
- 5、风量调节旋钮
- 6、风枪手柄
- 7、风枪手动/自动转换开关
- 8、焊台温度显示窗
- 9、华氏度/摄氏度显示转换开关
- 10、烙铁手柄接口
- 11、焊台调温旋钮

适配部件参考

For reference: compatible parts

风嘴型号 (规格和尺寸) Nozzle style (specifications and sizes)

风嘴的尺寸表示对应IC的尺寸 The nozzles sizes match with their corresponding IC sizes.



C. When the oxidization is partially removed, continue applying solder while rubbing until the soldering tip is completely coated with solder. If the soldering iron tip is too severely oxidized beyond cleaning, replace the iron tip with a new one.

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 force on the soldering iron tip when soldering. This will NOT IMPROVE the heat transfer but damage the soldering iron tip instead.
4. When placing the soldering iron back in the holder to idle after a high-temperature operation, adjust the temperature to 250°C (482°F) or below for idling. Failure to do so, and leaving the soldering iron tip to idle on a high-temperature setting will cause the accelerated aging of the heating element and shorten the lifespan of the heating element and soldering iron tip.
5. After every operation, always wipe off the soldering tip, then tin the tip with a layer of solder to prevent oxidization.

V. TROUBLESHOOTING GUIDE

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, the soldering iron is not connected.
2. When replacing the heating element, take note of the original connecting order and colors of the wires which MUST NOT be connected incorrectly.
3. “SLP”–This is an indication that the soldering station is in sleep mode.

风枪部分

- 1、将热风焊台摆放好，把手柄架装在机箱左侧，把手柄搁置在手柄架上。
- 2、装置所需的风嘴（尽量使用大口径风嘴），连接好电源。
- 3、打开机箱后面的总开关，再打开风枪开关，风枪温度显示窗显示“---”，风枪为待机状态，按温度增加减小按键设置所需的温度，拿起手柄，风枪进入正常状态，这时风枪工作指示灯（风枪显示窗右下角圆点）亮起！升温时为常亮，恒温时有规律高速闪动，降温时熄灭。调节调风旋钮设置合适风量，待温度稳定后便能作业。恒温后可以直观看风枪工作指示灯高速闪动，这时高精度PID程序以毫秒为单位高速跟踪补偿风枪实际温度，风枪进入温度高稳定高精度的恒温状态！
- 4、作业结束后，将风枪手柄放回手柄架，此后风枪加热电源会自动切断，风枪工作指示灯将熄灭，风枪只送风不发热，风枪发热体开始降温，当温度降至100°C（212°F）以下时，风枪温度显示屏显示“---”，此时可关闭风枪开关。如长时间不使用须关掉机器开关并拔掉电源插头。

300. ← 程序高速跟踪
温度补偿指示

焊台部分

- 1、连接好烙铁手柄，将手柄放在烙铁座中。
- 2、打开机箱后面的总开关，再打开焊台开关，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. ← 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°C/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。

- 3、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，需关闭电源开关并拔掉电源插头。

三、功能设置

风枪自动/手动设置 (706 II/706/706+)

按下面板上的手动/自动切换开关，转换风枪工作模式。

AUTO自动状态：

风枪手柄放回手柄架时机器自动切断发热体降温，风枪温度显示“---”时进入待机状态。

MAN.手动状态：

风枪手柄放回手柄架时，风枪保持温度继续加热。

华氏/摄氏显示转换设置 (706 II/706/706+)

此功能可让机器适应不同地区消费者的使用习惯。

拨动华氏度/摄氏度显示转换开关转换华氏度或摄氏度模式。

10分钟固定休眠功能 (706 II/706+)

机器自动检测自身工作状态，在无人使用，处于静止状态时，到达10分钟左右，电烙铁温度自动降温到200°C/392°F进入休眠状态，可有效的防止烙铁头氧化，延长了烙铁头的使用寿命，节能环保。

唤醒休眠方法：

- 抖动烙铁手柄几次。
- 关闭电源开关再打开。

冷风/热风转换设置 (706+)

启动风枪后，点按风枪手柄开关，显示温度开始下降，当风枪温度低于70°C (158°F)，显示屏显示“COL”，机器将进入冷风模式。再点按风枪手柄开关，风枪开始加热，机器进入热风模式。

四、保养及注意事项

风枪部分

- 请保持出风口畅通，不能有阻塞物。
- 装置喷嘴时必须在钢管与喷嘴都冷却时才可操作，并且装到位，勿使劲装置喷嘴，或用钳子拉动喷嘴边缘，勿使劲拧紧螺丝。

COOL / HOT Air Mode (706+)

When the hot air gun is started up, press the hot air gun's switch, and the displayed temperature begins decreasing. When the hot air gun's temperature is cooled to below 70°C(158°F), the display shows value "COL" to indicate that the station is entering COOL Air mode. To enter hot air mode again, press the hot air gun's switch again. The hot air gun will then enter hot air mode, and begins heating again.

IV. FUNCTION CONFIGURATION

Hot Air Rework Station

1. Keep the air outlet clear and free of blockages at all times.
2. The installation of the hot air nozzles MUST be carried out ONLY when the steel pipe and nozzle have cooled. Install the nozzle correctly, DO NOT install the nozzle with brute force, pull the edge of the nozzle with tweezers, or over-tighten the screws.
3. Select the appropriate nozzle based on your operation requirement (temperatures may vary when you use nozzles in different diameters). When using nozzles smaller than the stock nozzles, you MUST use the maximum air volume with a relatively lower temperature setting. Complete this operation in the shortest possible duration to prevent damaging the hot air gun.
4. Keep a minimum distance of 2mm between the subject and the hot air gun's air outlet.
5. DO NOT allow the hot air to come in direct contact with facial parts: Risk of burn injuries. Upon the first use, the hot air gun may emit white fumes, and the white fume will dissipate in a short while.

NOTE:

The station's hot air gun and soldering iron handles use high-strength stainless steel tubes. The station goes through 4 times or more testing, inspection, and calibration procedures before rolling off the assembly line. The steel tube may exhibit light bronze color as a result of our quality control efforts. It is normal to have a slightly bronzed steel tube when you use a brand-new station; rest assured for normal usage.

Soldering Station

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. Once the temperature has stabilized, gently rub the soldering iron tip inside the metal wool ball.

300

Indicator for the program making real-time temperature tracking and compensations.

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

IV. FUNCTION CONFIGURATION

● Automatic/Manual Hot Air Modes(For 706II/706/706+)

Press the Manual/Automatic Mode Switch Button to switch between the work modes.

Automatic Mode:

When the hot air gun is returned to the holder, the stations turns OFF the heating element's power. The hot air gun goes into standby mode when the temperature display shows "---".

Manual Mode:

When the hot air gun is returned to the holder, the station continues to heat and operate.

● Fahrenheit/Celsius Display Mode(For 706II/706/706+)

This function adapts the station to user preferences in different regions.

Toggle the °F/°C display toggle switch to select either the Fahrenheit or Celsius display mode.

● 10-Minute Sleep Mode (For 706 II/706+)

The station automatically detects its operating status, and enters sleep mode when the station is static and unused for longer than 10 minutes. In sleep mode, the soldering iron's idling temperature will be at 200°C/392°F to effectively prevent the iron tip's oxidization, extend the lifespan and protect the environment.

To start-up the soldering iron from sleep mode:

- shake the soldering iron a few times or,
- turn OFF the power, then, turn ON the power.

- 根据工作要求, 选用合适的风嘴 (不同的风嘴, 温度可能略有差别), 在使用机器标配的喷嘴以外更小喷嘴时, 必须要将风量调为最大, 使用较低的温度并在短时间内使用, 避免长时间使用损坏风枪。
- 出风口与元件之间距离最少是2mm。
- 切勿以热气直喷脸部, 有灼伤人体的危险。启动初时, 可能会冒出白烟, 之后白烟消失。

特此说明:

尊敬的用户您好! 因机器风枪和烙铁手柄采用的是高强度不锈钢钢筒, 在生产过程中机器必须在正常工作状态通过四次检验或校准, 钢筒因高温会出现轻微变黄! 当新机拆开使用时发现钢筒处有轻微的变黄, 此为正常现象, 请放心使用!

● 焊台部分

- 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:
 - 温度设置300°C (572°F)。
 - 恒温后把烙铁头放入清洁金属丝内轻微摩擦。
 - 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。
- 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。
- 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。
- 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。
- 作业结束后, 应抹净烙铁头, 镀上新锡层, 以防止烙铁头氧化。

五、故障排除

- 显示“S-E”, 表示焊台/风枪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), 或是未插上烙铁手柄。
- 更换发热芯时应注意连接线的顺序及颜色, 不能接错!!
- 显示“SLP”表示处于休眠状态。

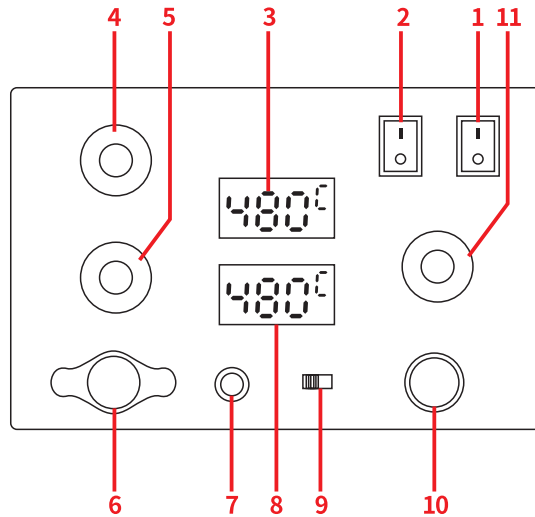
I. APPLICATIONS

1. This station is great for soldering and rework applications on SOIC, CHIP, QFP, PLCC, BGA, SMD, and many other types of components. This station is also an excellent choice for rework applications on FFC, FPC.
2. The station's applications include heat shrinking, drying, paint removal, adhesive removal, defrosting, pre-heating, soldering wire glues, and more.

II. OPERATION

Before the station can be transported, the compressor motor **MUST** be secured with the locking bolt (installation hole located at the bottom of the station). Failure to install the locking bolt before transportation will result in serious consequences. REMOVE the locking bolt at the bottom of the station before use, failure to REMOVE the bolt before use will result in serious consequences.

Control Panel Guide(706 II / 706/706+)



1. Power Switch (Soldering Station)
2. Power Switch (Hot Air Rework Station)
3. Temperature Display (Hot Air Rework Station)
4. Temperature Adjustment Knob (Hot Air Rework Station)
5. Air Volume Adjustment Knob
6. Hot Air Gun
7. Hot Air Gun Manual/Automatic Mode Switch Button
8. Temperature Display (Soldering Station)
9. °F/°C Temperature Display Switch
10. Receptacle (Soldering Iron)
11. Temperature Adjustment Knob (Soldering Station)

Hot Air Rework Station

1. Set the rework station correctly, and install the hot air gun holder on the left side of the station, and then place the hot air gun onto the holder.
2. Install the selected nozzle (Use of nozzles in larger diameters is recommended). Connect the station's power cord to an electrical outlet.
3. Turn ON the master switch located at the rear of the station, then turn ON the hot air rework station's power switch. The hot air temperature display will show "---" to indicate the gun in standby mode. Press the increase or decrease button to set the desired temperature. Pick up the hot air gun, and it will enter standard operation mode; the hot air rework station's operation indicator light (the dot located at the bottom-right of the hot air rework station's temperature display) will turn ON.

The operation indicator light will stay ON constantly when the hot air gun is heating up, blink rapidly when the temperature is stabilized, and be turned OFF when the hot air gun is cooling off. Adjust the air volume adjustment knob to set the desired air volume, and begin operation once the temperature has stabilized. Once the temperature is stabilized, its status is clearly indicated with the rapidly flashing operation indicator. The precision PID program is tracking and compensating the hot air gun's temperature every millisecond, the hot air gun's temperature is now in a stable, and precise thermostatic state.



Indicator for the program making real-time temperature tracking and compensations.

4. When the operation is complete, place the hot air gun back to its holder. The hot air gun will cut its power to the heating element automatically and turn OFF the operation indicator light. The hot air gun will only put out air without heating to cool the heating element. When the temperature drops below 100°C (212°F), the hot air rework station's temperature display will show "---". Turn OFF the hot air rework station's power switch at this point. If the station is not in use for an extended period, the master switch **MUST BE** turned OFF (located at the rear of the station), and the power cord must be DISCONNECTED from the electrical outlet.

Soldering Station

1. Connect the soldering iron to the station, and place the soldering iron into its holder.
2. Turn ON the station's master switch located at the rear of the station, and then turn ON the soldering station's power switch. The soldering station's heating element will begin heating, and its operation indicator light (the dot located at the bottom-right corner of the soldering station display) will turn ON. The operation indicator light will stay constantly ON when the soldering iron is heating up, blink rapidly when the temperature is stabilized, and be turned OFF when the soldering iron is cooling. Begin your operation once the soldering station's indicator is blinking rapidly to indicate the temperature's stabilization.

CAUTION: Upon the first use of the soldering iron tip, 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.