Pro'sKit®

**SS-952B**

# SMD Rework Station with Vacuum Pickup

CE


**User's Manual**

1st Edition, 2015

**SS-952B Instruction Manual**

Thanks for buying PRO'SKIT SS-952B SMD Rework Station with vacuum pickup. Please read the user's manual carefully before using the product.

## Specifications

| | |
|---|---|
| Power supply | 210V~240V/50Hz |
| Power | 600W(MAX) |
| Air pump | Diaphragm special-purpose lathe pump |
| Capability | 23L / min (MAX) |
| Temperature | 100℃-480℃ |

## Features

1. Closed-loop temperature control. Digital display for easy adjustment. High power, quick warm up.
2. Switchable temperature readout between Fahrenheit and Centigrade
3. Microprocessor-controlled equipment.
4. ESD safe design prevents static and electric leakage to damage the PCB.
5. Built-in temperature sensor that provides stable (temperature) measurements.
6. Non-contact soldering to avoid components movement or thermal impact to PCB.
7. Adjustable temperature and air flow easily rework SMD or DIP components.
8. High Quality heating element and nozzles.
9. After power off, the automatic cool air flow will prevent accidental burns and prolong the lifetime of heating element.
10. The sleep mode design provides additional device protection and power saving.

## Application

Applicable for removing the most type of surface sticking parts such as SOIC.QFP. PLCC and so on

**Packing**

| | |
|---|---|
| 1 unit | Main Station with Hot Air Gun |
| 4 pcs | Air Nozzles |
| 1 pcs | Hot Air Gun Holder |
| 1 pcs | Vacuum Suction Pen Holder |
| 1 pcs | Vacuum Suction Pen |
| 1 pcs | IC Popper |
| 1 pcs | Power Cord |
| 1 pcs | Instruction Manual |

**SAFETY INSTRUCTIONS**

**CAUTION:** Failure to comply with a CAUTION may result in injury to the operator, or damage to the items involved. Two examples are given below.

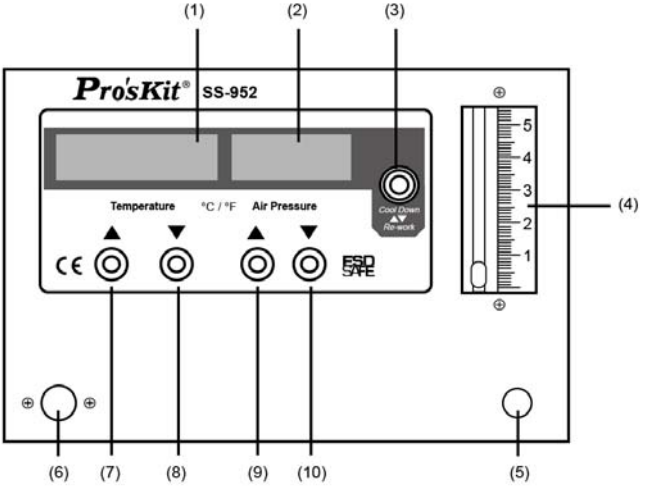
**When the power is ON, the temperature range of the hot air and the nozzle from indoor temperature to 480°C ( 896°F). To avoid injury to personnel or damage the item in the work area, observe the following:**

1. Do not direct the hot air toward personnel or touch the metal parts near the nozzle.
2. Do not use the product near combustible gases or flammable materials.
3. Please be noted that in the work area, the unit can reach very high temperature and should be considered potential dangerous.
4. Turn the power OFF when no longer using the Pro'sKit SS-952 or when leaving it unattended.
5. Before replacing parts or storing the unit, make sure the unit is cool down and then turn the power off.

**To prevent accidents and failures, please be sure to follow the precautions as below:**

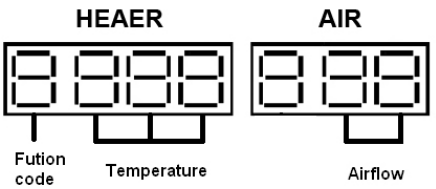
1. Do not strike the hand piece against hard surfaces or otherwise subject it to physical shock.
2. Make sure the unit is grounded. Always connect power to a grounded receptacle.
3. Do not disassemble the pump.
4. Do not modify the unit.
5. Use Pro'sKit replacement parts only.
6. Do not wet the unit or use the unit with wet hands.
7. Remove power cord by holding the plug – not the wires.
8. Make sure the work area is well ventilated.
9. The Pro'sKit SS-952 is not intended for use by children or infirm persons without supervision.

**1. Panel description**



(1). Temperature display
(2). Airflow Level display
(3). Function switch
(4). Airflow gauge
(5). Suction pen receptacle
(6). Hot air output
(7). Temperature control (Up)
(8). Temperature control (Down)
(9). Airflow control (Up)
(10). Airflow control (Down)

**2. Display function description**

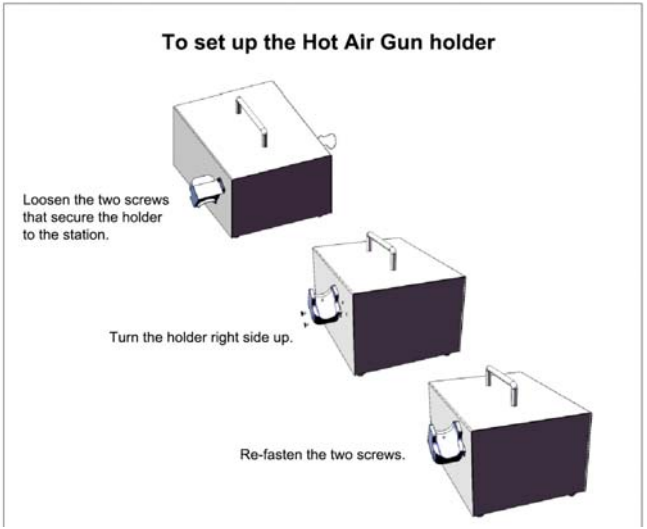


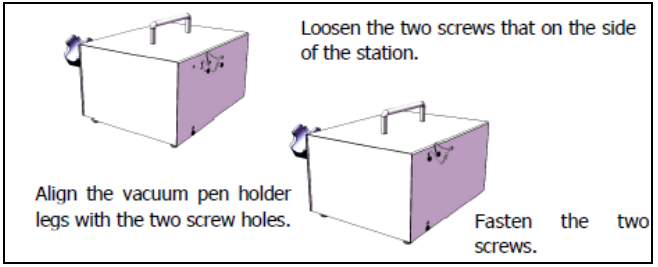

“OFF”— Hot air gun turn off.
“SEL 1”— Sleep mode setting.
“SEL 2”— Centigrade scale and Fahrenheit scale setting.
“SEL 3”— Frequency setting.
“SEL 4”— Hot air gun temperature setting.
“t 060”— Sleep time setting in six minutes.
“- - - - - - -”— Hot air gun in the sleep mode.
“t OFF” — Sleep mode turn off.
“Add 000” or “SUb 001” — Hot Air Gun Temperature Calibration.
“Err 1”— Replacement the heating element.
“ -50 ”— Normal setting is 50Hz.
“ SET C ”— Setting in Centigrade scale.
“ SET F ”— Setting in Fahrenheit scale.
“UAC”— Switch to vacuum function.

**3. Assembly and Preparations**

Hot Air Gun holder was installed on the station upside down for hanging purpose.
To set up the Hot Air Gun holder:

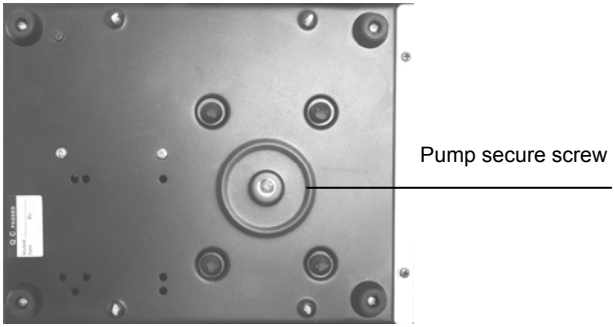
3-1. Loosen the two screws that secure the holder to the station.
3-2. Turn the holder right side up.
3-3. Re-fasten the two screws.
3-4. Place the hot air gun onto the holder in preparation for usage.



3-5. Pump securing screw

Loosen the pump securing screw which on the bottom of control station. (See below pictures)




⚠ **WARNING:**

Failure to remove the screw before using the equipment will cause damage to the system.

**4. Operation**

When connected the power, turn on the power switch, and then the unit starts to work, temperature panel displays ”100C” and air flow displays “035”. After adjusting temperature and air flow, then start to use.

**4-1 Adjust Temperature (Up)**

- Press temperature control “Up” button to adjust temperature, after release the button, “100C” will be indicated on the temperature display and then start to heat up after 2 seconds. When temperature reaches to setting temperature, the heater will stop heating and keep the temperature.

**4-2 Adjust Temperature (Down)**

- Press Temperature control “Down” button, temperature begin to drop until reach setting temperature.

- When finish the rework job, put the hot air gun to its holder, press the function switch to off the hot air gun, temperature panel will display ”OFF” and actual temperature, auto-cooling system will start automatically to cool down the hot air gun, when temperature down to the 80 ℃, cooling system will stop, it is safe at then, and it is right time to turn off the power.

**4-3 Airflow Setting**

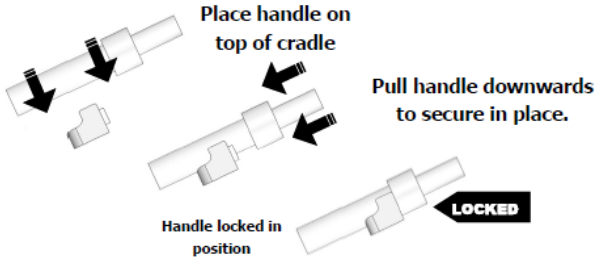
- Press Airflow control “Up” button, airflow will start to increase until displays “099”, release the button, and the glass ball in the airflow meter will rise to the top, indicating the max airflow.
- Press Airflow control “Down” button, airflow will decrease until displays “015”, release the button, it will indicate the minimum airflow for no airflow.

**4-4 Activating Hot Air Gun Auto-Sleep Mode**

- Turn off the power, and then press the “Function switch”.
- Turn on the power, the display will indicate “ESD SAF”, press the Temperature control “Up” button and Temperature control “Down” button in the meantime, panel will display “SEL 1”.
- Press the Airflow control “Up” button, panel will display “t 030”, press Airflow control “Up” button or Airflow control “down” button to adjust sleep timer setting, sleep timer is adjustable from 1 to 60 minutes.
- After setting sleep timer, press “Function switch” to save the setting.
- If the sleep mode is activated, the sleep timer will start to countdown when the hot air gun is placed securely on the hot air gun holder.
- When the sleep timer expired, the system will start cooling down the hot air gun at maximum intensity, and is preparing to go into sleep mode now. When the temperature of the hot air gun below 90 degrees, the display will show “ --- ----“ to indicate hot air gun is in sleep mode now.
- It will awake the hot air gun when you lift the hot air gun from its holder or press any control button.

**Hot air gun proper placement**

To ensure sleep mode activation handle should be properly placed and locked into position.




**4-5 Temperature Calibration of the Hot Air Gun**

When the unit was shipped out, the system is already properly calibrated. When temperature calibration of the hot air gun is required, please follow the procedure as below:

- Turn off the power, and then press the “Function switch”.
- Turn on the power, the panel will display “ESD SAF”, and then press the temperature control “Up” button and Temperature control “Down” button in the meantime, panel will show “SEL 1”.
- Press the Airflow control “down” button, display will show “SEL 4”, press Airflow control “Up” button , display will show “ADD 000”.
- Adjust the offset value with the airflow control “up” or “down” button, the ”Add” means positive (+) calibration value; the “Sub” means negative (-) calibration value. Value is adjustable from -50 to 90 degrees.
- Save the selected calibration settings and exit from the calibration menu by pressing “Function switch”.

**4-6 Frequency Selection**

- Frequency has been programmed from the factory is 50Hz.
- Turn off the power, press the “Function switch”.

- Turn on the power, the display will indicate “ESD SAF”, press the temperature control “Up” button and Temperature control “Down” button in the meantime, display will show “SEL 1”.
- Press the Airflow control “down” button, display will indicate “SEL 3”, press Airflow control “Up” button , display will indicate “-50”.
- Adjust the Airflow control “up” or “down” button to choose frequency you need, and then press “Function switch” to save the setting.

**4-7 Fahrenheit and Centigrade Selection**

- Temperature unit has been programmed from the factory is Centigrade.
- Turn off the power, press the “Function switch”.
- Turn on the power, the display will indicate “ESD SAF”, press the temperature control “Up” button and Temperature control “Down” button in the meantime, display will indicate “SEL 1”.
- Press the Airflow control “down” button, display will indicate “SEL 2”, press Airflow control “Up” button , display will indicate “F”.
- Adjust the Airflow control “up” or “down” button, choose the Temperature unit you want, and then press “Function switch” to save the setting.

4-8 **Vacuum Pickup Pen**

- Turn on the power, turn off the “Function switch”
- Press the Airflow control “up” and Airflow control “down” button in the meantime, display will indicate “VAC”.

**CAUTION:**

Before use vacuum pickup pen, turn off the hot air gun.

## 5. Heating Element Replacement

### 5.1 Replacement Parts

| Item | Specification |
|---|---|
| 5SS-952B-H | Heating element (210V-240V ) |

### 5.2 Replace the Heating Element

- Loosen 3 screws of the handle, and then move out the power cord.
- Disassemble the handle and disconnect the ground wire sleeve, then remove the pipe which contents the quartz glass and heat

insulation inside. Keep it carefully, never miss it.

- Loosen the heating element with PCB, and take out the heating element.
- Replace with new heating element carefully. Never rub the heating element wire.
- After replacing a new heating element, connect it with PCB. Assemble the handle.

**6. Preparation before operation**

- Select the proper size of FP pick-up popper to match IC size. FP Pick-up has a small size (15mm) and big size (20mm).
- Please select the proper size of nozzle, the set contents 4pcs air nozzles.
- Loosen the screw of nozzle.
- Set up the nozzle and screw it properly

**7. Remove solder**

- Turn on the power, setting the temperature and the heater start to heat up, the indicator is glimmering.
- Choose a proper FP pick-up popper to fit IC size.
- Replace a proper size nozzle with hot air gun.
- Aim at the object and melt the solder.

NOTE: Don't touch the IC pin with the nozzle.

- When the solder is melted, use the FP pick-up removes the IC.
- After turn off the power switch, the cooling system automatically started to cool down the heating part and handle. During this period, don't unplug the power supply, when the temperature of nozzle is below 100℃, the machine will automatically power down.
- Clean the remained solder after removing IC by solder absorber or absorber pump.

**8. Soldering**

- Apply some solder paste, and then place SMD on PCB.
  - Pre-heating the SMD.
  - Soldering, blow the hot air to leads.
  - Cleaning the remained solder after finishing soldering work.

NOTE: Use hot air to solder is feasible, but it could be caused the problem of solder link or solder ball, we highly recommend you to check it carefully.

NOTE:

- Don’t overexert while fixing nozzle, or use pliers to pull the nozzle, or screw breech block too tightly.
- Be careful, when working with high temperature.
  - Don’t use this product near flammable gas, paper, or other flammable things.
  - The temperature of nozzle and hot air is very high and could injury user, don’t touch the heating part or blow the hot air to body.
  - For the new machine, it might occur smoke in a short time when it starts to work in the first time due to heating insulation material inside the handle, this situation is normal, don’t worry.
  - After turning off the power, the cooling system will be started, don’t’ disconnect power cord with power source during this period, please keep it power on.

- Never drop or sharply jolt the unit. The pipe contains quartz glass which can be broken if the unit dropped or jolted sharply.
- Do not disassemble the pump.
- Disconnect the plug when you don’s use the unit for a long time.
- When the temperature is over 350℃, the temperature setting had better set between level 3 to 8 while turning on the machine.

**9. How to use suction pen**

1) Accord the weight (less than 100g) and size of object to choose a proper suction cap. Install the cap with the suction pen.
2) Put the suction cap horizontally with the surface of the adsorbed object. Cover the hole on the suction pen, the object will be absorbed.
3) Move out the absorbed object, and then open the hole on the suction pen, object will be released.

NOTE:

- Pay attention that tube can not be bent, it may influence of gas flow
- Absorbed item surface should be smooth, in order to be sucked.
- Pay attention to prevention of ESD, so as not to damage the device
- Before use vacuum pickup pen, turn off the hot air gun.

**10. Replacement fuse**

- Make sure the equipment is power off, and the power cord is disconnected with power source before replacing the fuse.
- The fuse is located in the back of the equipment, next to the power socket.
- Unscrewing the fuse holder.
- Replace the blown fuse.
  Note: only replace with the same fuse spec, size, and rating as below table:

| Location | Rating | Size |
|---|---|---|
| Rear Panel | 3A, 250V | 5x20mm |

Please keep a spare fuse of the same rating for emergency purpose.

**SS-952B 二合一熱拆吸筆焊台**

感謝您使用寶工 SS-952B 二合一熱拆吸筆焊台。
為了您更好的使用本機，請您在使用產品前詳細閱讀本使用手冊，以發揮本機的最佳效能。閱讀後請 妥為收存，以備日後查閱。

## 1. 產品概述

### 1-1 規格

| | |
|---|---|
| 電源電壓 | 210V ~240V / 50Hz |
| 功率消耗 | 600W |
| 空氣泵 | 膜片式專用泵 |
| 容量 | 23L/min (最高) |
| 熱空氣溫度 | 100℃- 480℃ |

### 1-2 功能

- ◆ 感測器閉合回路,數顯控溫,調溫方便,開機功率大,升溫迅速,溫度精確,不受出風量影響.
- ◆ 防靜電設計,防止因靜電及漏電而損壞 PCB 板.
- ◆ 不需接觸焊點的焊錫方式,可免除零件位移及熱充擊.
- ◆ 能大幅度調節空氣量及溫度,可焊接 QFP, PLCC 及 SOP 型 IC。
- ◆ 焊接及除錫可根據要求選用不同噴咀。
- ◆ 採用優質發熱絲，噴咀與國際品牌共同。
- ◆ 拔焊工作完畢後，送風延時工作，延長發熱體與手柄壽命。
- ◆ 風量溫度數碼顯示，調節風量溫度更顯而易見。

**包裝內容**

| 數量 | 物件說明 |
|---|---|
| 1 台 | 主機及熱風槍 |
| 4 個 | 風嘴 |
| 1 個 | 熱風槍放置架 |

| | |
|---|---|
| 1 個 | 吸筆支架 |
| 1 支 | 真空吸筆 |
| 1 支 | IC 拿取器 |
| 1 條 | 電源線 |
| 1 本 | 說明書 |

## 注意事項

本使用說明書"注意"的定義如下：

注 意：

濫用可能導致使用者受傷或對涉及物體造成實質破壞。為了安全著想，請嚴格遵守"注意事項"

當電源是"開"的狀況，熱風槍噴嘴的溫度範圍約在室溫到 480°C ( 896°F) 之間。為了避免傷害使用者或是損壞使用區域物件，請注意下列事項:

1. 熱風不可以對著人吹，不可以碰觸接近噴嘴的金屬部份。
2. 不可以在可燃氣體或可燃材料附近使用本產品。
3. 在高溫工作區域應該注意潛在的危險性
4. 當長時間不使用或是附近沒人的時候請將電源關閉。

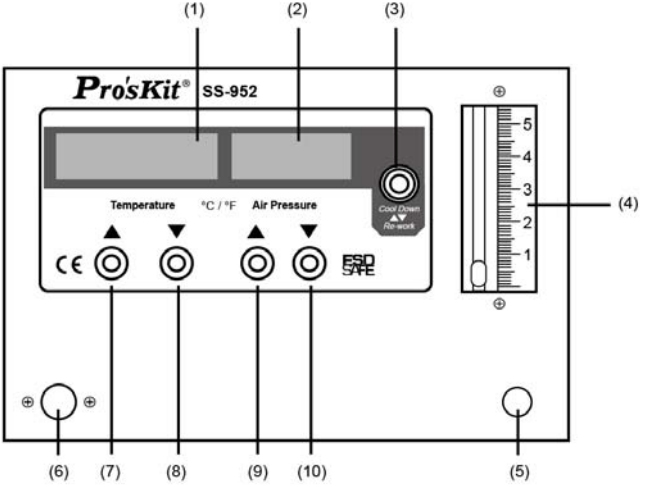
**為了預防意外的發生，請遵從下列的注意事項**:

1.手握持的裝置不要敲打堅硬的地方否則會造成主體的震動而損壞。
2.請確認產品接地的元件有連結到電源的接地插座。
3.不要拆開氣泵。
4.不要任意修改任何原件。
5.請使用正牌寶工的替換元件。
6.不要弄濕產品或是用濕的手去使用產品。
7.拔掉插頭時請拉插頭不要拉電線。
8.請確認工作的區域通風良好。
9.不熟悉產品的人員使用時, 旁邊必須有熟悉操作的人指導使用。
10.兒童必須被監督以確保他們不會玩弄機台。

**1-3 用途**

- 適用於大多數表面貼裝零件的拆焊，如 SOIC、QFP、PLCC 等。
- 可用于收縮管。

## 面板說明




(1).熱風槍溫度顯示器　(6).熱風槍插座

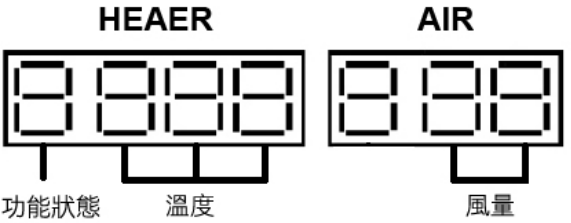
(2).風量顯示器　(7).溫度上調鍵

(3).功能切換鍵　(8).溫度下調鍵

(4).風量計　(9).風量上調鍵

(5).吸風嘴　(10)風量下調鍵

**2-1 顯示器功能狀態說明**




“OFF”— 熱風槍功能是關閉狀態。
“SEL 1”— 睡眠功能設定界面
“SEL 2”— 華氏/攝氏設定界面
“SEL 3”— 頻率設定界面
“SEL 4”— 熱風槍溫度補償設定界面
“t 060”— 設置的睡眠時間為 60 分鐘。
“- - - - - - -”— 熱風槍處於睡眠狀態。
“t OFF” — 關閉睡眠功能。
“Add 000” or “SUb 001” — 溫度補償微調校正功能。
“Err 1”— 熱風槍發熱體壞。
“-50”一 整機設定為 50HZ 工作狀態
“ SET C ”一 整機設定溫度顯示為攝氏度
“ SET F ”一 整機設定溫度顯示為華氏度
“UAC”一 吸筆功能

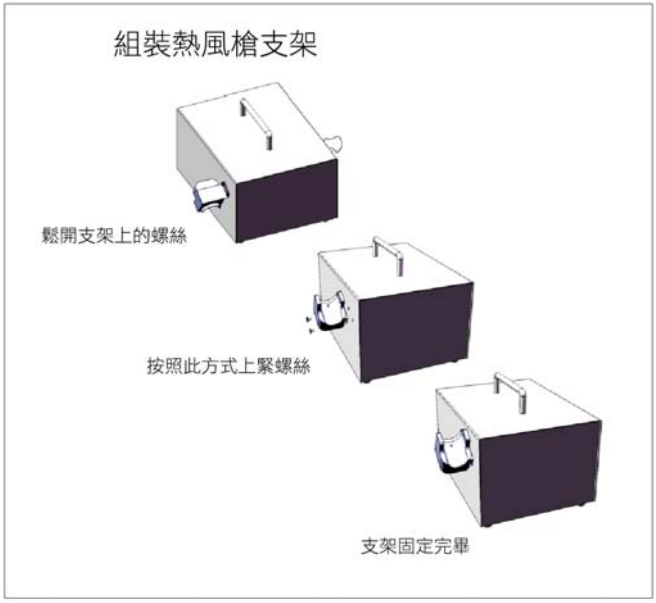
**2. 準備及組裝**

A. 電源部分: 將電源線插在機台的後端。

B. 熱風槍: 熱風槍支架是倒立裝置的，使用前需要把熱風槍支架裝好後再使用：

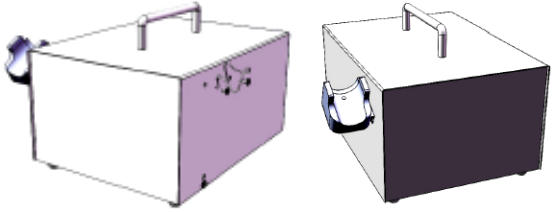
1. 鬆開熱風槍支架上的 2 粒螺絲。
2. 轉動熱風槍支架向上。
3. 重新鎖上 2 粒螺絲。

做好以上 3 點，熱風槍支架已經裝好可以使用。

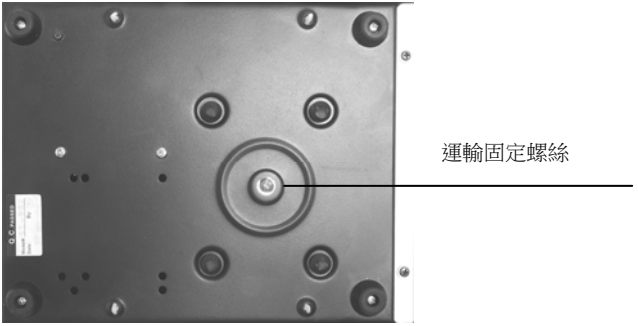



C. 吸筆

1. 用 2 粒螺絲釘鎖定吸筆支架。



D. 拆下運輸固定螺絲
使用前將底板運輸固定螺絲拆下。




**3. 操作使用方法**

插上電源，打開電源開關，按下功能切換鍵，整機開始工作，溫度顯示為“ 100C”，風量顯示為“035”。
依照以下溫度及風量設定後，便可以開始使用.

**3-1 熱風槍溫度設定**

1.按住溫度上調鍵，選擇好所需要的溫度檔後鬆開按鍵，溫度顯示會在此時停頓 2 秒鐘後轉變為“100C”即開始升溫，升至所選擇的溫度時，發熱體即停止升溫，並進入恒溫。
2.按住溫度下調鍵，實際溫度和顯示器上的溫度即開始下降，直至降到所需要的溫度檔後，鬆開按鍵鈕即可。例：當溫度在 380 度恒溫時，而您所需溫度要降至 180 度。
3. 熱風槍使用完畢後，按下功能切換鍵關閉熱風槍，此時顯示器會出現”OFF”字樣並與溫度交換顯示，當熱風槍降溫到 80℃以下，氣壓系統便會停止工作，此時才算關閉。

**3-2. 熱風槍風量設定**

1.按住風量上調鍵，風量會開始上升直至顯示為“099”，鬆開按鍵後，風量計玻珠升到頂端，此時風量達到最高。
2.按住風量下調鍵，風量會開始下降直至顯示器出現“015”，此時風量最低。

**3-3. 熱風槍睡眠設置**

1.關閉總機，按下功能切換鍵。

2.開機，在顯示“ESD SAF”時同時按下熱風槍溫度上調鍵與下調鍵，當顯示”SEL 1”時已進入功能介面。

3.此時按下風量上調鍵進入睡眠設置介面，進入介面會顯示“t 030”，睡眠時間可調整範圍為 1~60 分鐘。

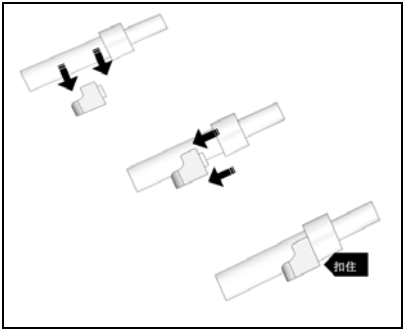
4.按壓通過風量上調、下調鍵調節好睡眠時間後，再按下功能切換鍵自動保存。

5.熱風槍在設定時間內若一直放在熱風槍支架上，就會進入睡眠並關閉發熱體，在冷卻發熱體後，最後會關閉熱風槍。顯示器顯示為“- - - - - - -”。

熱風槍需依照以下方式正確放入支架內，才能啟動睡眠模式功能。

6.喚醒熱風槍只需從熱風槍支架上拿起熱風槍。

7.關閉睡眠功能只需在睡眠設置介面設定為“t OFF”即可。




**3-4. 熱風槍溫度數位微調**

1.關閉總機，按下功能切換鍵

2.開機，在顯示“ESD SAF”時同時按下熱風槍溫度上調鍵與下調鍵，當顯示”SEL 1”時，已進入功能介面。

3.按風量下調鍵，調整到顯示“SEL 4”，再按風量上調鍵進入數字微調介面，此時顯示“Add 000”。

4.通過風量上調、下調鍵設定好溫度補償值後，再按下功能切換鍵自動保存。

5.熱風槍在使用時，實際吹出的溫度會按設定的溫度補償值實際加或減。例如數字微調若設定“004”，當熱風槍設定 350℃,實際溫度會是 354℃。

**3-5. 50HZ/60HZ 頻率切換**

1.系統預設為 50HZ
2.關機，按下功能切換鍵。
3.開機，當顯示“ESD SAF”時同時按下熱風槍溫度上調鍵與下調鍵，當顯示”SEL 1”時，已進入功能介面。
4.按風量下調鍵，調整到顯示“SEL 3”，再按風量上調鍵進入數位微調介面，此時顯示“-50”。
5.通過風量上調、下調鍵選好頻率後，再按功能切換鍵自動保存。

**3-6. 華氏度/攝氏度顯示切換**

1. 系統預設為攝氏度顯示
2. 關機，按下功能切換鍵。
3. 開機，當顯示“ESD SAF”時同時按下熱風槍溫度上調鍵與下調鍵，當顯示”SEL 1”時，已進入功能介面
4. 按風量下調鍵，調節到顯示 “SEL 2”，再按風量上調鍵進入數位微調介面，此時顯示“ SET F”。
5. 通過風量上調、下調鍵選好攝氏度/華氏度後，再按功能切換鍵自動保存

**3-7. 吸筆功能**

1. 開機，關閉功能切換鍵。
2. 同時按下風量上調與下調鍵，風量顯示介面會顯示“VAC”，吸筆此時吸力最大狀態。

注意: 在我們單獨使用吸筆功能時，熱風槍須處於關閉狀態。

**4. 簡單的故障維修指南**

問題 1: 不開機,沒顯示
解答：1.檢查本機是否有接通電源。
2.檢查電源線有沒有接好，有沒有破損或斷開。(請更換電源線)
3.檢查保險絲是否被燒壞，(換上同一款 3A, 250V 保險絲)。

問題 2: 熱風槍的溫度顯示 500℃或者更高
異常現象: 熱風槍的溫度 顯示 500 ℃，過幾秒顯示 OFF。
解答: 熱風槍的感測器可能燒壞，(換上同一款發熱芯)。

問題 3: 熱風槍沒有溫度

異常現象:熱風槍達不到所設定的溫度。
解答 ： 發熱芯有可能被燒壞，或者是超出了發熱芯的使用壽命，
（換上同一款發熱芯）。

問題 4：沒有氣壓或者氣壓不夠
解答：1.檢查氣泵上的氣管是否破裂或者折角。
2.檢查氣泵本身是否有氣壓輸出。
3.實際頻率是否與設定頻率對應。

**5.替換零件**

| 編號 | 名稱/規格 |
|---|---|
| 5SS-952B-H | SS-952B 熱風槍用發熱芯/(210V-240V) |

**5-1 替換發熱材料**

- 鬆開拴緊手柄的 3 枚螺絲,移出電線管。
- 拆開手柄，鬆開接地電線護套，取出管件，管同內裝置有石英玻璃和熱絕緣體。
- 勿掉落或遺失
- 取出發熱材料鬆開終端板，取出發熱材料。
- 插入新發熱材料小心處理，切勿磨擦發熱材料電線，插入新發熱材料，重接終端。感測器線有極性，應注意區別。
- 依拆開時的相反程序，裝回手柄。

**6. 使用前準備工作**

- 選擇與積體電路尺寸相配合的起拔鋼絲.FP 起拔器配有小鋼絲(15 毫米)但可能需要大起拔鋼絲(20 毫米).請依照集成電路塊尺寸,選擇適合的起拔鋼絲.
- 選擇積體電路尺寸相配合的噴咀.
- 鬆開噴咀螺絲.
- 裝置噴咀.
- 適當緊固螺絲

**7. 除錫過程**

- 適當緊固螺絲
- 將起拔器置於積體電路塊之下,將起拔器插入積體電路塊底下,如果積體電路塊寬度不適合起拔鋼絲尺寸,可擠壓鋼絲寬度以適應之。
- 熔化焊劑
- 持著焊鐵,使噴咀對準所要熔化焊劑部分,讓噴出熱氣熔化
- 焊劑。噴咀不可觸及積體電路塊引線。

**8. 焊接**

- 適當緊固螺絲
- 塗抹適量錫膏。
- 塗抹適量錫膏,將 SMD 放在電路板上。
- 預熱 SMD。
- 焊接,向引線部份平均噴出熱氣。
- 清理,焊接完畢，清除熔料殘餘。

**注意：**用熱氣焊接是有效的,但也可能導致焊劑球、焊劑搭連等問題。我們建議您仔細檢查焊接元件。

**注意事項：**

* 安裝噴咀時勿用力過大，或用鉗子拉動邊緣，勿過度擰緊螺絲。
* 必須在發熱管與噴咀冷卻時安裝噴咀。
* 小心高溫操作

  切勿在易燃氣體、紙質、或其他易燃物品附近，使用本拆焊台，噴咀十分灸熱，為免灼傷身體，切勿觸摸發熱管，或以熱氣直噴身體部位.

  對於新機，因手柄內有隔熱材料—雲母管，開機後 短時間內冒白煙，這屬正常現象。

**9. 吸筆使用**

1) 依據需要提取的物品重量(不大於 100g)及表面大小，選擇使用的吸盤規格，安裝在吸筆的頭部.
2) 將吸盤水平放置在被吸物的表面，用手按住吸筆上的孔位，使吸筆吸住物品.
3) 將被吸物移動到放置的位置，松開堵住吸筆上的小孔，物品會脫離吸盤.

**注意事項：**

* 使用吸筆時注意皮管不可彎折，影響氣體流動.
* 被吸物表面需要光潔，以利被吸取.
* 注意防靜電措施，以免損壞器件.
* 使用吸錫筆前，請先關閉熱風槍電源.

**10. 故障維修更換保險絲**

1) 確保電源已經移除.
2) 保險絲管在設備背面位置
3) 使用螺絲刀旋開保險絲座
4) 更換相同規格的保險絲，如下表所示.

| 位置 | 規格 | 尺寸 |
|---|---|---|
| 設備背面 | 3A, 250V | Φ5x20mm |

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