

Pro'sKit[®]

SS-969 SMD Rework Station

CE



User's Manual


1st Edition' 2011


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SAFETY INSTRUCTIONS

WARNING

Warnings and cautions are placed at critical points in this manual to direct the operator's attention to significant items. They are defined as follows:

 **WARNING:** Failure to comply with a **WARNING** may result in serious injury or death.

 **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.

NOTE: A **NOTE** indicates a procedure or point that is important to the process being described.

EXAMPLE: AN **EXAMPLE** is given to demonstrate a particular procedure, point or process.

Be sure to comply with following **WARNINGS** and **CAUTIONS** for your safety.

WARNING

Do not change or disassemble any components related to this product, it may cause product damaged.

When you need to replace the fuse, be sure turn off the power before operating.

During working period, do not turn off the power suddenly, the heat gun should be placed on the heat gun holder until cool off after power turn off, otherwise it will damage the product °

CAUTION

When the power is ON, the temperature of the hot air and the nozzle ranges from 100 to 450°C (212 to 842°F). To avoid injury to personnel or damage to items in the work area, observe the following:

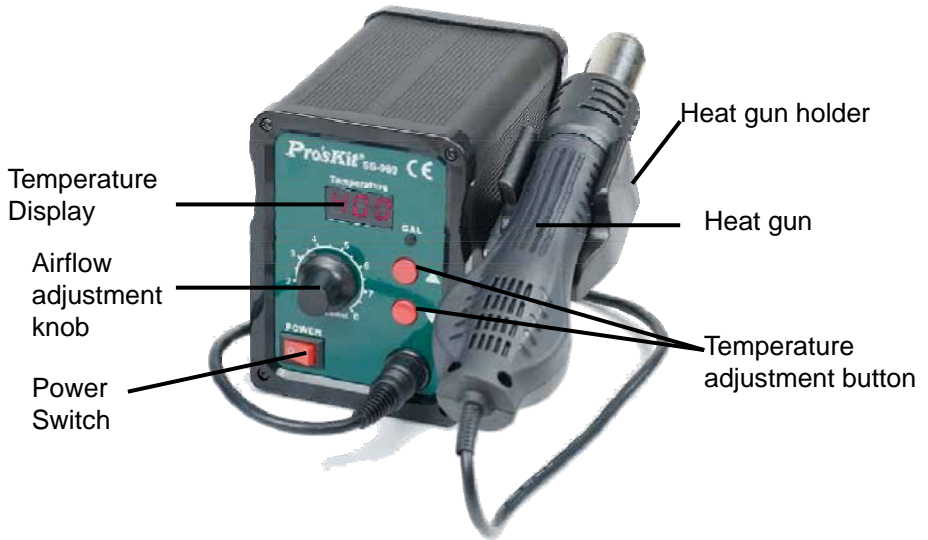
- ** Do not direct the hot air toward personnel or touch the metal parts near the nozzle.
- ** Do not use the product near combustible gases or flammable materials.
- ** Advise those in the work area that the unit can reach very high temperatures and should be considered potentially dangerous.
- ** Turn the power OFF when no longer using the Pro'sKit SS-969 or when leaving it unattended.
- ** Before replacing parts or storing the unit, allow the unit to cool and then turn the power OFF.

To prevent accidents and failures, be sure to take the following precautions:

- ** Do not strike the handpiece against hard surfaces or otherwise subject it to physical shock.
- ** Be sure the unit is grounded. Always connect power to a grounded receptacle.
- ** Do not disassemble the machine.
- ** Do not modify the unit.
- ** Use Pro'sKit provides replacement parts.
- ** Do not wet the unit or use the unit with wet hands.
- ** Remove power cord by holding the plug – not the wires.
- ** Make sure the work area is well ventilated.
- ** The Pro'sKit SS-969 is not intended for use by children or infirm persons without supervision.
- ** Children should be supervised to ensure that they do not play with the SS-969.

Packing list and name of parts

Name of Parts







Packing List :

- SS-969 SMD Rework Station (include holder) x1
- Heat Gun x1
- Air nozzle x 3
- Power cord x1
- User's manual x1


Features:

1. Microprocessor-controlled, closed circuit sensor design, high power and quick warm-up times
2. Adjustable air flow, air volume and temperature, suitable for a variety of applications.
3. Handle with sensor design switching work & sleep mode for real-time operation convenience.
4. Auto Cool-Off Process to prolong the life of heating element
5. Plastic shell, compact body, beautiful, small footprint.
6. Comes with brushless motor provides long service life, quiet in operation
7. Safe solder QFP, PLCC, BGA and other temperature-sensitive components. Also for heating shrink, viscosity removal, lacquer removal, preheating and more


Specification:

Model No.	SS-969E	SS-969E7	SS-969B	SS-969H
Power Input	110V	127V	220V	220V
Power Consumption	700W			
Temperature Range	100-450°C			
Air Volume	120L/min (Max)			
Heating Element	Metal Heating core			
Equipment noise	<45dB			
Temperature Display	LED			
Weight	1.43kgs			
Plug Type	E 	E 	B 	H 
Machine Size(mm)	170x170x140 (include holder)			
Overall package(mm)	280x182x170			
Fuse Type	250V/10A	250V/10A	250V/5A	250V/5A

**Optional replacement
Replacement Nozzle**

IC Package	Model No.	ID (mm)
	9SS-969-A1	Ø4.5
	9SS-969-A2	Ø7.5
	9SS-969-A3	Ø11.2

Replacement Heat Gun

	Model No.	Description	Dimensions
	5SS-969E-HG	Heat Gun for SS-969E (110V)	225x60x40mm (wire length 115cm)
	5SS-969B-HG	Heat Gun for SS-969B/H (220V)	
	5SS-969E7-HG	Heat Gun for SS-969E7 (127V)	

Application

- 1.Suitable for desoldering multiple components.
Such as: SOIC, CHIP, QFP, PLCC and BGA etc. (especially for flat cables and cable connectors).
- 2.Ideal for heating shrink, viscosity removal, lacquer removal, preheating and more

Operation Instruction

- 1.Put the rework station ready and place handle on the holder.
- 2.Connect the power cord to the power receptacle on the back panel of the station.
- 3.Set the blast nozzle (large caliber nozzle preferred).
- 4.Switch the power on, the screen displays “- - -“, it represents standby mode.
(Available in microcomputer with digital LED)

5. Press “▲” or “▼” button as to set up the temperature.
6. Adjust the airflow knob to set up the required air volume.
7. Hold the handle, the equipment begins to heat. Adjust the knob of airflow in order to set proper air volume, operate normally when temperature is stable.
8. Put the handle back on the holder after work, the SMD station switched from heating mode to cooling - off mode automatically. When the temperature is lower than 100°C, the station switching to standby mode.
9. Switch the power off and unplug the power cord if there has no operation for a long time.

Attention

Please set up the temperature as lower as possible in high airflow volume as to prolong heating element service life and better IC chips protection.

Setting up Temperature

1. Press “▲” or “▼” button to set up the temperature, the screen displays the setting temperature.
2. Press “▲” once the temperature degree increase 1°C, and the screen displays the setting temperature.

Press “▼” once the temperature degree decrease 1°C, and the screen displays the setting temperature.

When press the “▲” or “▼” button continuously, the temperature will increase or decrease rapidly, after the button is released, the screen displays temperature for two seconds and displays setting temperature or display “- -” for standby mode.

Note: Explanation of Symbols

- A. “- - -” represents the temperature is lower than 100°C in standby mode, and the handle put on the holder.
- B. “**S-E**” represents the switch turned on but the connector of heat gun did not connect to the station properly or the sensor of heat gun damaged, please replace a new heat gun.

Terms of use

1. The air outlet and its surrounding area may be very hot. Be cautious of scald.
2. The heating handle shall not be put on the working table or other place except its holder.
3. Please keep the air outlet unblocked.
4. Place the heating handle on its holder after the work, and keep it cool naturally and turn into standby mode, then switch the power off.
5. The distance between the air outlet and the object shall be no less than 2mm.
6. Choose suitable nozzle in accordance with working requirements. Different nozzles may have different temperatures.

Fuse replacement

When fuse is blown, replace with the same type of fuse. (see below picture)

1. Unplug the power cord from the power receptacle.
2. The fuse holder is located under the AC power receptacle, use the slotted (-) screwdriver to loosen the fuse holder
3. Replace the fuse with new one
4. Put the fuse holder back in place



Basic troubleshooting guide



WARNING

To avoid personal injury or equipment damage, disconnect power cord before making any servicing to the equipment.

Problem 1: The unit has no power / display does not light up.

1. Check if the unit is switched ON.
2. Check the fuse, replace with the same type of fuse if blown.
3. Check the power cord and make sure there is no disconnection.
4. Verify that the unit is properly connected to the power source.
5. Check if local voltage matches the product requirement.

Problem 2: The temperature of the SMD station is not rising.

Description: Display lights up but the temperature of heat gun is relative low and not heating up.

Solution: heat gun cord or heating element may be damaged, please replace a new heat gun.

Problem 3: Heat gun temperature is intermittent.

Description: Display lights up but the heat gun temperature rises and falls uncontrollably.

The temperature is less than 50°C, and no longer heating up when at the working °

Solution:

** Heat gun plug may be loose from the receptacle, unplug the heat gun and re-attach

** Heat gun cord or heating element may be damaged, please replace new heat gun.

Pro'sKit®

SS-969 柔風型 SMD 拆焊台

CE



說明書

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使用說明書

警告

本說明書之注意事項，區分為如下的“警告”及“注意”二者加以表示。請充分理解其內容後再閱讀本文。

警告：濫用將可能導致使用者發生嚴重傷害。

注意：可能導致使用者受傷或對涉及物體造成實質破壞，爲了使用者的安全著想，請嚴格遵守“注意事項”。

爲了您的安全，請務必遵守下面的“警告”及“注意”事項。

警告

建議不要變更或拆解任何與本產品相關的部件。這樣的行爲可能會損壞本產品。

當需要更換 fuse 時，請關閉電源後再作業。

正常使用時，確保不要突然關閉開關，關閉電源。應該放置于熱風槍掛架，正常冷其卻。否則會對本產品造成損壞。

注意

當電源爲開啓的狀態，熱風槍噴嘴的溫度範圍約在 100 to 450°C (212 to 842°F) 之間。爲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：

- ** 熱風不可以對著人吹，不可以碰觸接近噴嘴的金屬部份以免燙傷。
- ** 不可以有可燃氣體或可燃材料附近使用本產品。
- ** 在高溫工作區域應該注意潛在的危險性。
- ** 當長時間不使用或是附近沒人的時候，請將本產品的電源關閉。

爲預防意外的發生，請遵守下列注意事項：

- ** 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。
- ** 請確認產品接地的元件有連結電源的接地插座。
- ** 不要拆開產品。
- ** 不要任意修改任何原件。
- ** 請使用本公司所提供的替換元件。
- ** 不要弄濕產品或是用濕的手去使用產品。
- ** 拔掉電源線時請拉拔插頭，不要直接拉電線。
- ** 請確認工作的區域通風良好。
- ** 本產品請妥善放置在小孩拿取不到的地方。

一、各部件名稱及包裝清單

1. 各部件名稱



2. 包裝清單：

SS-969 柔風型 SMD 拆焊主機 (含熱風槍掛架) x1

熱風槍 x1

熱嘴配件 x 3





電源線 x1

使用說明書 x 1

二、特點

- 1.感測器閉合回路，微電腦過零觸發控溫,LED 顯示，功率大，升溫迅速，溫度精確穩定，不受出風量影響，真正實現無鉛拆焊。
- 2.氣流量可調，風量平穩且出風柔和，溫度調節方便，可以適應多種用途。
- 3.手柄裝有感應開關，只要手握手柄，系統即可迅速進入工作模式；手模放回手柄架，系統便會進入待機狀態，即時操作方便。
- 4.系統設有自動冷卻功能，可延長發熱體壽命及保護熱風槍。
- 5.採用無刷風機壽命極長，噪音極小。

三、規格

型號	SS-969E	SS-969E7	SS-969B	SS-969H
輸入電壓	110V	127V	220V	220V
電源功率	700W			
溫度範圍	100-450℃			
氣流量	120 升/分（最大）			
發熱芯	金屬發熱芯			
運作噪音	雜訊<45dB			
溫度顯示形式	LED			
重量	1.43kgs			
插頭形狀	E 	E 	B 	H 
機台尺寸(mm)	170*170*140 (含掛架)			
外包裝尺寸(mm)	280x185x170			
保險絲規格	250V/10A	250V/10A	250V/5A	250V/5A

四、選購配件：

風嘴選購

	型號	內徑 (mm)
	9SS-969-A1	Ø4.5
	9SS-969-A2	Ø7.5
	9SS-969-A3	Ø11.2

熱風槍選購

	型號	品名	尺寸(mm)
	5SS-969E-HG	SS-969E 用熱風槍 (110V)	225x60x40mm (wire length 115cm)
	5SS-969B-HG	SS-969B/H 用熱風槍 (220V)	
	5SS-969E7-HG	SS-969E7 用熱風槍 (127V)	

五、用途

- 1、適合多種組件的拆焊，如：SOIC、CHIP、QFP、PLCC、BGA 等。
- 2、用於熱收縮、烘乾、除漆、除粘、解凍、預熱、膠焊接等。

六、操作說明

- 1、將拆焊台擺放好，手柄擱置在手柄架上。
- 2、連接好電源。
- 3、裝置所需風嘴。
- 4、打開電源開關，顯示視窗顯示“- - -”，此時拆焊台為待機狀態。
- 5、按“▲”或“▼”鍵設置工作溫度。
- 6、旋轉風量調節旋鈕，設置所需工作風量。
- 7、拿起拆焊台手柄，拆焊台正常加熱工作。調節風量旋鈕使風量合適，待溫度穩定後便能正常工作。
- 8、工作完畢，必須把手柄放置手柄架，此時焊台自動切斷加熱電流，進入送冷風

冷卻發熱體模式，當溫度低於 100°C 拆焊台進入待機狀態。

9、長期不操作，須關閉電源開關。

注意：

在能完成作業的情況下，儘量使用低的溫度和大的風量，這樣有助於拆焊台發熱體的壽命及拆焊台內 IC 晶片安全。

七、設置溫度

* 在通電狀態下，按“▲”或“▼”鍵，溫度顯示視窗會顯示設定的溫度。

* 按一次“▲”鍵，則設定溫度上升 1°C，顯示視窗顯示設定溫度；按一次“▼”鍵，則設定溫度下降 1°C；若按住“▲”或“▼”鍵不放，則溫度迅速上升或下降。釋放按鍵後，顯示視窗顯示設定溫度兩秒鐘後，顯示實際溫度或顯示“- - -”進入待機狀態。

顯示符號說明：

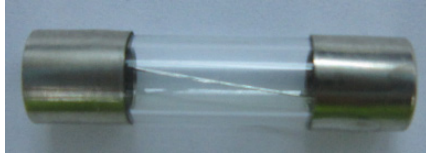
- A. 顯示：“- - -”，表示出風口溫度低於 100°C，拆焊台進入待機狀態，手柄擱置在手柄架上。
- B. 顯示：“S—E”，表示開機後熱風槍尚未連接至拆焊台或熱風槍的感測器有問題，若為感測器問題則需要更換新熱風槍。

八、拆焊台使用須知

1. 熱風拆焊台出風口及周邊可能有極高溫度，應小心謹慎，謹防燙傷。
2. 加熱手柄必須放置在手柄架上，決不能放置工作臺面或其他地方。
3. 請保持出風口通暢，不能有阻塞物。
4. 工作完畢，必須把加熱手柄防止在手柄架上，讓機器自動冷卻至 100°C 以下（進入待機狀態）才能關閉電源開關。
5. 使用時出風口與物件之距離最少是 2 毫米，以出風口計算。
6. 根據工作需求，選用合適的風嘴，不同的風嘴，溫度可能略有差別。

九、更換保險絲

當有誤用的狀況而造成保險絲燒斷時，可以自行更換新的保險絲，以一字起子拆下電源座下方保險絲座後，裝上新的保險絲再裝回保險絲座即可。



基本故障排除說明

警告

為避免使用者受傷及產品損壞，在進行檢查前請先移除插頭。

問題 1: 產品沒有電源或溫度顯示器無法顯示

1. 請檢查產品是否有打開電源。
2. 請檢查保險絲，若保險絲燒壞請更換新保險絲。
3. 請檢查電源線連接是否正常。
4. 確定產品電源線是正確的插在插座。
5. 請檢查當地電壓是否符合產品指標。

問題 2: 熱風槍溫度無法上升

現象：溫度顯示器有顯示溫度，但熱風槍溫度未達設定相對溫度或並未加熱。

解決方法：熱風槍電線或發熱芯可能毀損，請更換新熱風槍。

問題 3: 熱風槍溫度顯示不正常

現象：無法控制溫度上升或下降。

當工作時，顯示溫度小於 50°C，並不再升溫。

解決方法：

- ** 熱風槍插座可能鬆脫，請拔下熱風槍插座再重新插上。
- ** 熱風槍電線或發熱芯可能毀損，請更換新熱風槍。

Pro'sKit[®]

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