

# 防靜電扁平IC熱風拆焊臺

## Anti-static flat IC Rework Station

### 使用說明書 INSTRUCTION MANUAL

850/8508

中文(繁)/English

聲明：本公司保留改進升級產品的權利，產品規格及設計如有變更，恕不另行告知。

**Statement:** The company reserves the right to improve and upgrade products, product specifications and design are subject to change without notice.



感謝您購買此款熱風拆焊臺,本產品是專門為無鉛拆焊而設計的,使用前請仔細閱讀本說明書，閱讀后請妥善保管,以供日后參考。

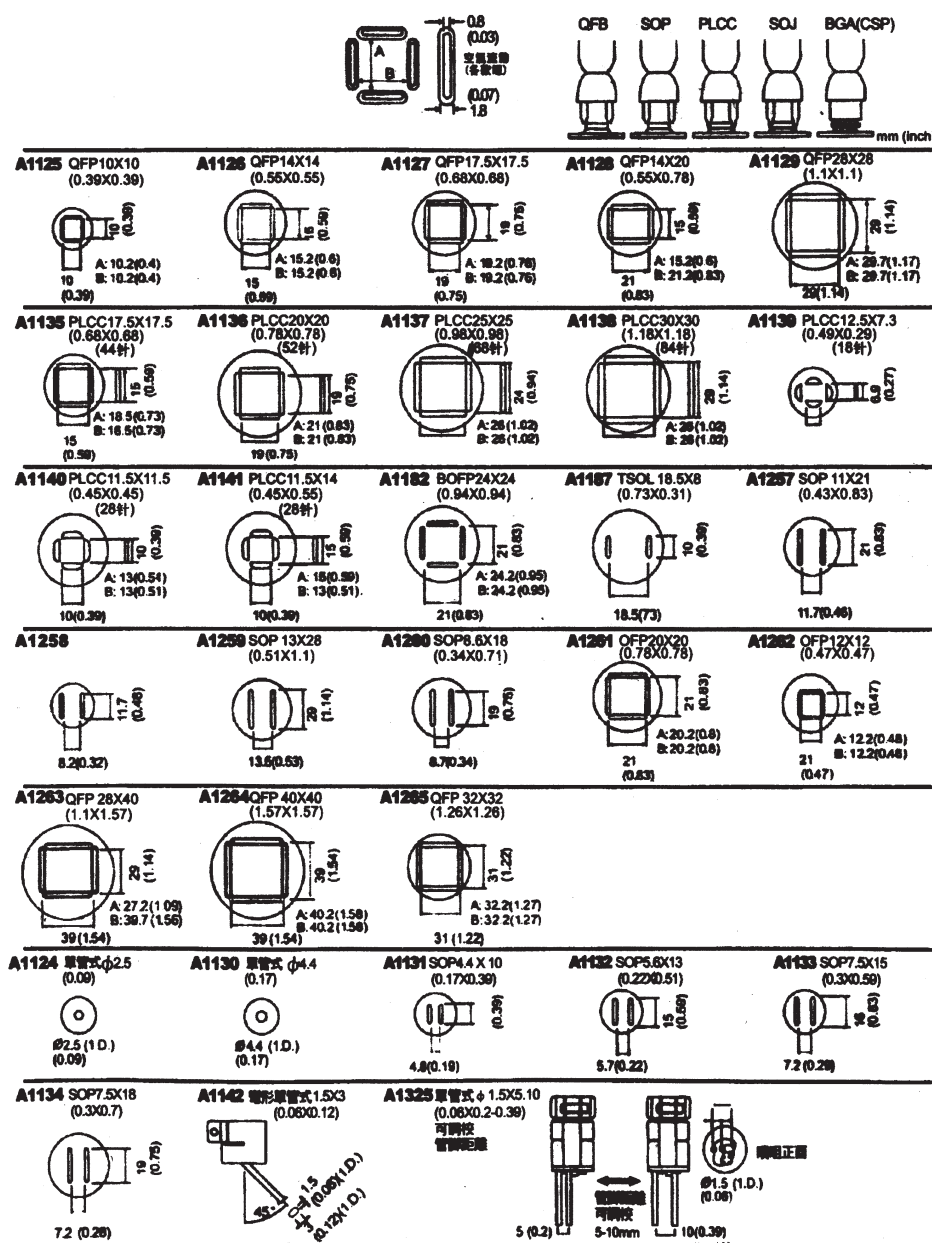
Thank you for choosing this type of Unsoldering Equipment with Hot Air. The product is designed for soldering and unsoldering without lead. Please read the User Guide thoroughly before use, and keep it in a safe place for future reference.

## 通用部件

\*噴嘴的規格及尺寸  
表示該IC的尺寸

## Common parts

Nozzles specification and size  
indicate the IC size



## 安全守則

使用本機器，下列基本措施要遵守，以免觸電或對人體造成傷害，避免火災  
□等現象的傷害。

- 1、為了確保人身安全，該機器工作完畢后，請拔掉電源線!!!
- 2、必須使用原廠認可或推薦的零件，否則將導致嚴重後果。
- 3、機器故障必須由專業人士或本公司指定人員進行維修。
- 4、本產品使用三機接地插頭，必須插入三孔接地插座內，不要更改插頭或使用未接地三頭適配器而使接地不良。
- 5、熱風槍開啓後，其溫度都有可能達到400度以上。切勿在易燃、易爆氣體、物體附近使用。噴管及噴出的熱氣都十分炎熱，能灼傷人體，切勿觸摸發熱管及熱氣直接噴向人體。
- 6、熱風槍開啓前請確保熱風槍處於安全狀態，熱風槍開啓後切勿離開工作崗位。
- 7、安裝噴嘴時不可在熱風槍開啓時，必須在發熱管與噴嘴冷卻後才可安裝。
- 8、請保持進/出風口暢通，不能有堵塞物。
- 9、使用後，切記要冷卻機身，應將手柄放回手柄架，機器進入休眠後再開機。
- 10、焊接時會冒煙霧，請做好應有的通風設施。

## 一、產品特點

### 850系列特點

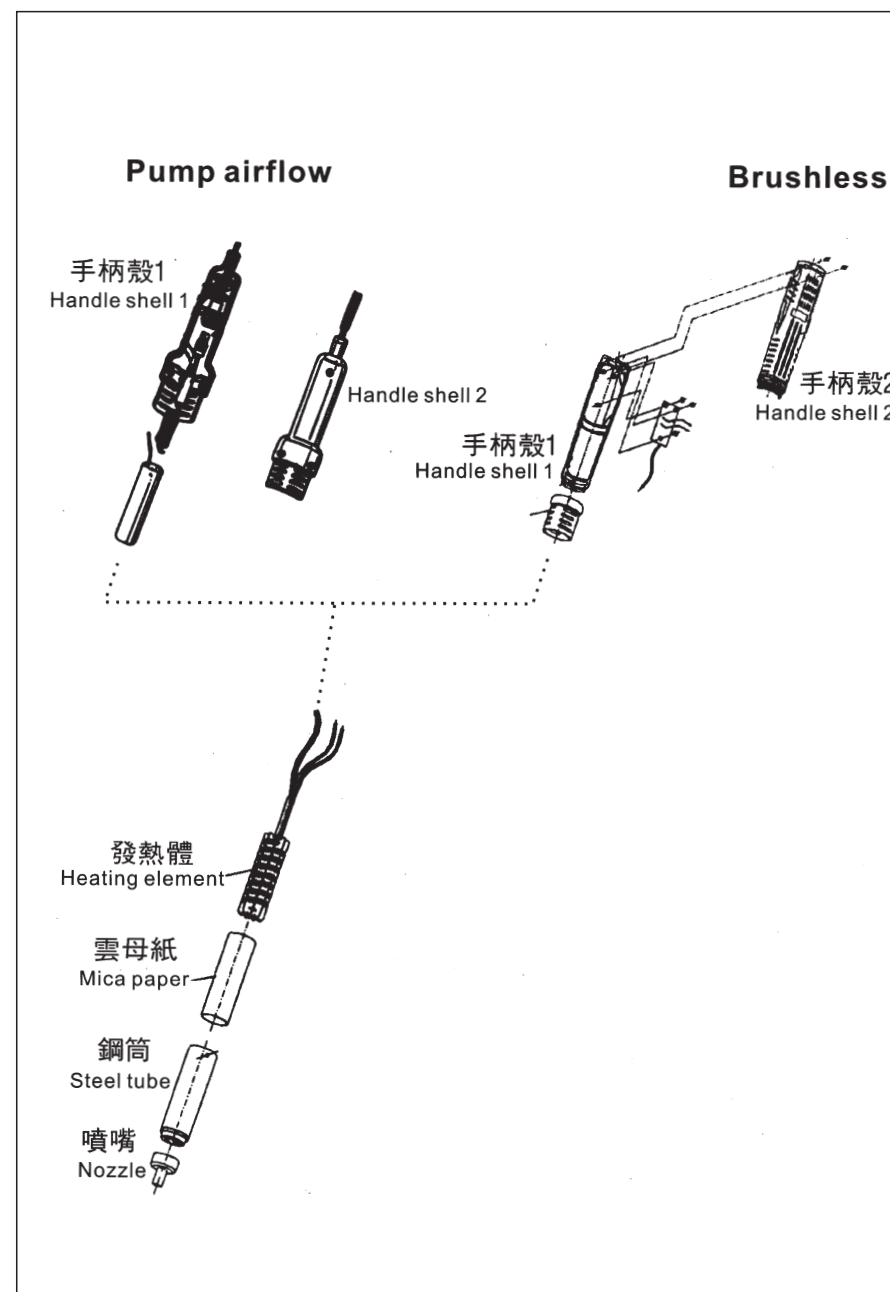
- 1、採用高精度熱電偶測溫恆溫，雙運算放大器邏輯控制，確保工作穩定性，特有的防靜電設計，避免靜電損壞拆焊元器件。
- 2、採用最 工藝(骨架型)制作發熱體，大大的提高了穩定度和可靠性能，非常大的提高避震和抗擊打性能(傳統工藝採用石英玻璃，經不起掉落和重震)，升溫迅速且工作壽命比傳統型的長很多。
- 3、發熱體採用 工藝，使風槍的出風方式將氣泵和風機兩種出風方式完美結合，當使用大噴嘴，出風氣流為柔和螺旋風。當使用小噴嘴，出風氣流為強勁螺旋風，并氣流量均勻可調，可以適應多種用途。
- 4、採用出風量大壓力強勁的氣泵，使用壽命長，噪音小!另採用高品質發熱體，在相同功率下效率可提高一倍、可有效的延長發熱體工作壽命及節省電源，實現真正的無鉛拆焊。

## 8508系列特點

- 1、8508系列是850系列的增強改進型，繼承850系列所有優點的同時，採用了微電腦處理器PID程控技術，精確的數碼顯示風槍溫度，程序隨時跟踪出風實際溫度，神奇的溫度補償進一步的加強了溫度穩定度。□
- 2、8508D還設置人性化手動和自動轉換，手柄裝有感應開關，在自動模式時，祇要手握手柄，系統即可迅速進入工作模式，手柄放歸手柄架，系統便會進入待機狀態。在手動模式時，風槍一直處於工作狀態。適用於各種工作環境，實時操作方便。
- 3、系統設有自動冷風功能，可延長發熱體壽命及保護熱幾槍和氣泵。

## 二、規格

型號	850系列	8508系列
電源電壓	AC220V/AC110V	AC220V/AC110V
功率消耗	≤550W	
發熱體形式	骨架式	骨架式
氣流類型	氣泵送幾/無刷風機柔各風	氣泵送風
風流量	≤24L/min	≤24L/min
溫度範圍	100℃~450℃	100℃~450℃
溫度穩定度	2℃	1℃
顯示形式	發光管/數碼顯示	發光管/數碼顯示
手柄綫長	≥100cm	≥100cm
噪音	≤45db	≤45db
工作環境	0~40℃	
儲存環境	-20℃~80℃	
儲存濕度	35%~45%	



### VIII. Terms of Use

1. Hot air rework station and surrounding thg outlet may have a very high temperature, should be careful to guard against burns.
2. Heating, the handle must be on the holder, not be placed on work surfaces or other places.
3. Please keep the air gun not have obstruction.
4. After work, you must turn off the power, 8508D-type gun handle must be placed on the holder, the machine automatically cooled to below 70°C (into standby), and them to turn off the power switch.
5. When used outlet should be distance with the goods at least 2mm, as per outlet to calculated.
6. As work requirements, choose the appropriate nozzle, different nozzle, different temperature.

### IX. Replacement the heating element

1. When replace the heater ensure the gun cooled.
2. As picture, loosen the two screws on the handle.
3. Turns the handle shell lock wise until it comes off. And then remove the handle shell 2.
4. Remove the screws that fixed wiring board.
5. The wiring board in turn, apart from the heater wiring board connection cable, pay attention to the connection location.
6. Remove the heat pipe heat body wrap of mica paper, careful not broken ground wire of the steel.
7. Using mica paper wraps well the new heater, inserted into the tube, the attention heater to install in place.
8. According to the original location of the connection to connect heater.
9. When the reverse process by open bottles and handle back.

#### Notice:

1. Replacement heater, be careful heater and thermocouple cable, don't damaged.
2. Back to the loading handle shell 1, the handle shell fixed column fixed holes in steel.

\* Machine through the standard tested, then the actual temperature of the aging test, part of the air gun steel barrel outlet slightly yellowing, are normal, hereby instruction!

### 三、性能對照表

性能\機型		850系列			8508系列		
	型號	850	850AD	850A/850B	850D/850BD	8508	8508D
顯示形式	發熱管	數碼顯示	發光管	數碼顯示	發光管	數碼顯示	
送風類型	氣泵	氣泵	風機	風機	氣泵		
冷風功能	有	有	有	有	有	有	
手動/自動功能	無	無	無	無	無	有	

### 四、用途

- 1、適合多種元件的拆焊如：SOIC、CHIP、QFP、PLCC、BGA等（特別適用於手機排綫及排綫座的拆焊）。
- 2、用于熱收縮、烘幹、除漆、除粘、解凍、預熱、膠焊接等。

### 五、操作說明

- 1、將焊臺擺放好，手柄擱置在手柄架上。
- 2、連接好電源。
- 3、裝置所需風咀（盡量使用大口徑風咀）。
- 4、打開電源開關（850型進入工作狀態），顯示窗口顯示“---”，此時拆焊臺為待機狀態（數碼顯示型）。
- 5、旋轉溫度控制旋鈕設置工作溫度。
- 6、拿起拆焊臺手柄，拆焊臺正常加熱工作。調節風量旋鈕使風量合適，待溫度穩定後便能正常作業。
- 7、8508D工作完畢，把手柄放置手柄架，此時拆焊臺自動切斷加熱電流，進入送冷風冷卻發熱體模式，當溫度低于100℃，拆焊臺顯示“---”，表示機器即將進入待機狀態。
- 8、長期不使用，需關閉電源。

注意：在能完成作業的情況下，盡量使用低的溫度及大的風量，這樣有助于延長拆焊臺發熱體壽命及拆焊臺IC芯片的安全。

## 六、溫度/風量設置

- 1、發光管熱風拆焊臺：  
\*旋轉溫度控制旋鈕至所需溫度刻綫。
- 2、LED微電腦數碼顯示型熱風拆焊臺：  
\*在通電狀態下，選擇溫度控制旋鈕，溫度顯示窗口會顯示設定的溫度。2秒後顯示實時溫度，或顯示“---”進入待機狀態（手柄在手柄架上）。
- 3、調好溫度後調節風量旋鈕至合適風量即可正常工作。

## 七、符號說明

- 1、顯示“---”，表示出風口溫度低於100℃拆焊臺進入待機狀態，手柄擱置在手柄架上。
- 2、顯示“S-E”，表示拆焊臺的傳感器有問題，需要更換發熱體（發熱材料及傳感器組件）
- 3、當工作時，顯示溫度小於50℃，並不再升溫，表示拆焊臺的發熱體可能損壞，需要更換發熱體（發熱材料及傳感器組件）。

## 八、使用須知

- 1、熱風拆焊臺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，絕不能放置在工作臺面或其他地方。
- 3、請保持通風口暢通，不能有阻塞物。
- 4、工作完畢後，必須把加熱手柄放置在手柄架上，讓機器自動冷卻至70℃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2mm，以出風口計算。
- 6、根據工作需求，先選用合適的風咀。不同的風嘴溫度可能略有差別。

6. Picked up the handle, the station will enter normal heat welding work station. Air volume adjustment knob to the right airflow, after waiting for temperature stability it can normal operation.
7. 8508B type of work is completed, the handle must be placed on the holder. And then the station will cut off the hot air automatically to send cold air cooling heating mode. When the temperature less 100, LED display “---” that machine will enter standby mode.
8. Long time no use must be cut off the power.

### Note:

If possible make use of low temperatures and large volume, that good for save heating element of the and safety disoldering IC chip.

## VI. Ser up the temperature and airflow

1. LED indication of hot air rework station:  
\* Rotate the temperature control knob to the desired temperature of engraved lines.
2. LED digital display microcomputer-based hot air rework station:  
\* In the energized, rotating the temperature control knob temperature. The LED will display set temperature. After two seconds, real-time temperature display shows “---” into standby (The handle should be on the holder).
3. After set up the temperature, adjust the air flow to the right to working.

## VII. Explanation of symbols

1. Shows “---” mean the air temperature less 100°C, the station enter standby and the gun should be on the holder.
2. Shows “S-E” mean the station sensor have problem should be replaced the heater (Heating material and sensor components).
3. When working, the display temperature less than 50°C, and no longer to heat up, that the heater may be damaged and need to replace the heating element (heating material and sensor components).

Storage Environment	-20~80℃
Storage humidity	35%~45%

### III. Performance Table

Models Performance	850Series				8508 Series	
Model	850	850AD	850A/850B	850D/850BD	8508	8508D
Shows type	LED	LCD	LED	LCD	LED	LCD
Airflow type	Pump airflow		Brushless fan		Pump airflow	
Cold wind function	Yes	Yes	Yes	Yes	Yes	Yes
Manual/ automatic function	No	No	No	No	No	Yes

### IV. Usage

1. Rework for a variety of components such as: SOIC, CHIP, QFP, PLCC, BGA, etc. (Especially for phone cable and welding cable split seat)
2. For shrink, drying, paint, adhesive removal, thawing, warm, plastic welding.

### V. Operating Instructions

1. Put the gun handle on the holder.
2. Connect the power.
3. Equipment required nozzle (try to using bigger nozzle).
4. On ture (850 enter work state, LED shows "---", rework station as standby (8508D shows).
5. Rotate the temperature control knob to set the working temperature.

### 九、更換發熱體

- 1、更換發熱體應在其冷卻時進行更換。
- 2、如圖，鬆開手柄上的兩祇固定螺絲。
- 3、旋出手柄組件1，再將手柄殼2取出。
- 4、取出固定連接 的螺絲。
- 5、連接綫 過來，從接綫 上拆開發熱體的連接綫，注意其連接位置。
- 6、從光管中取出發熱體與包住發熱體的雲母紙，注意不要弄斷鋼管上的接地綫。
- 7、用雲母紙包好 發熱體，將其插入鋼管中，注意發熱體要安裝到位。
- 8、按照原先的位置連接發熱體的各連接綫。
- 9、按拆開時的相 程序回裝好手柄。

#### 注意：

- 1、更換時注意發熱芯和熱電偶的連接綫，不要損壞。
- 2、回裝手柄組件1時，手柄殼上的固定柱要在鋼管的固定孔內。

\*該機通過各項標準檢驗後，再進行實際溫度老化檢測，部分風槍鋼筒出風口處稍有暗黃，均屬正常現象，特此說明。



### Warning!!!

Use the machine, the following basic measures should abide, avoid electric shock or cause injury or damage caused by fires.

1. In order to ensure the personal safety, the machine work is completed, please unplug the power cord.

2. To ensure personal safety, you must use the original approval or recommendation of the parts, otherwise it will lead to serious consequences.
3. Machine failure must be by professionals or the company designated personnel for repair.
4. This product is grounded three-wire plug, must be inserted within the three-hole grounded outlet, do not change the plugs or use ungrounded three adapter made it bad grounded.
5. Hot air gun or soldering station is open, its temperature are likely to reach 400 degrees. Do not use it near flammable gas, objects. Tube and the heat emitted very hot, can burn the body, do not touch the hot pipe and direct injection to heat the human body.
6. Hot air gun is turned on, do not leave the jobs site.
7. When the hot air gun opening do not install nozzle, the heat pipe and the nozzle must be cooling, Then installed the other nozzle.
8. Please keep inlet and outlet air flow, don't have obstruction.
9. After used, remember that the cooling body, the handle should be released into the handle frame, then shut down the machine to sleep.
10. The machine welding will take smoke, please do proper ventilation.

## I. Characteristics

### 850 Series Features

1. High-precision thermocouple testing the temperature and keep the temperature. Dual operational amplifier logic control to ensure work stability. Design of anti-static de-soldering components to avoid static damage.
2. Using the latest technology (skeleton type) produced fever, good for improve work stability and reliability. And good for improve shocking proof and resist fighting performance ( the traditional process use quartz glass, when falling and shock will damage), heating up quickly and working life are longer than the traditional type.
3. At the same time, the introduction of new technology for gun airflow. Airflow of pump type or brushless fan type. Brushless fan type good for using big nozzle size, the air are soft. Pump type are using small nozzle size, the air are focus. This two of type are good for difference customer request.

4. Using pump type that life are long and noise are small. High - quality heating element in the same power efficiency can be doubled effect, good for extend the heating element working life and power savings. It is the real lead - free soldering.

### 8508D Series Features

1. 8508D series is improved from 850 series, it inherits all the advantages of 850 series. Using microcomputer PID program control processor technology, precise digital to show the gun temperature. Program to keep track the air of actual temperature, the magic temperature compensation rate good for enhanced temperature stability.
2. Air gun also set humanized manually and automatic conversion. Automatic, handle is equipped with automatic sensor switch. When take the gun handle that system can quickly enter the working mode. When put the handle on the holder that System will enter standby mode. Manually, when the air gun has been in working condition, the working environment for all kinds of real - time operating convenience.
3. System with automatic cold function, extend life and protect the hot air gun and pump.

## II. Specification

Models	850 Series	8508D Series
Input voltage	AC220V/AC110V	AC220V/AC110V
power	≤550W	
Heater type	Skeleton	Skeleton
Airflow type	Brushless fan	Diaphragm pump
Airflow value	≤24L/min	≤24L/min
Temperature range	100℃~450℃	100℃~450℃
Temperature stability	2℃	1℃
Shows type	LED/display	LED/display
Handle line	≥100cm	≥100cm
Noise	≤45dB	≤45dB
Work Environment	0~40℃	

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