# 无刷风机柔和风SMD热风拆焊台

## SMD Hot Air Rework Station with Brushless Blower and Gentle Wind

# 使 用 手 册

## User's Manual

感谢您购买此款热风拆焊台，本产品是专为无铅拆焊和普通焊接而设计的，使用前请仔细阅读说明书，阅读后请妥为保管，以便日后查阅。

Thank you for purchasing this rework station which is specially designed for lead-free desoldering and ordinary soldering. Read the instruction carefully before using. After reading, keep it well for future reference.

# ⚠ 注意：

当电源接通时，风咀温度处于高温状态。
鉴于滥用可能导致灼伤或火患，请严格遵守以下事项：
- 请避免本风枪的滥用，应按照操作说明使用产品。
- 切勿触及风咀附近的金属部分。
- 切勿在易燃物体附近使用风枪。
- 通知工场其他人士，风咀极易灼伤，可能引起危险事故。休息时或完工后应关掉电源。
- 更换部件或装置风咀时，应关掉电源，并待风咀冷却至室温。

为免损坏风枪，及保持作业环境之安全，应遵守下列事项：
- 本品使用额定电压和频率。（请参照机器背面的商标）
- 本品损坏时严禁使用，特别是电源线损坏时。
- 本产品使用三线接地插头，必须插入三孔接地插座内。不要更改插头或使用未接地三头适配器而使接地不良。如需加长电线，请使用接地的三线电源线。
- 切勿擅自改动风枪。
- 更换部件时，应采用原厂原件。
- 切勿弄湿风枪，手湿时不能使用和拆开风枪，也不能拉扯电源线。
- 使用风枪时，不可作任何可能伤害身体或损坏物体的妄动。
- 儿童不知道电器产品的危险，因此本品应在儿童不易触接或有成人监督的场所使用和存放。

# 一、特点

1. 传感器闭合回路，微电脑过零触发控温，LED显示，功率大，升温迅速，温度精确稳定，不受出风量影响，真正实现无铅拆焊。
2. 气流量可调，风量大且出风柔和，温度调节方便，可以适应多种用途。
3. 手柄装有感应开关，只要手握手柄，系统即可迅速进入工作模式；手柄放归手柄架，系统便会进入待机状态，实时 操作方便。
4. 系统设有自动冷风功能，可延长发热体寿命及保护热风枪。
5. 采用无刷风机寿命极长，噪音极小。

# 二、规格

| 型号 | 858/868 | 858D/868D/8858D |
|---|---|---|
| 类别 | 发光管指示 | LED微电脑数码显示 |
| 功率消耗 | 700W | |
| 气泵气流类型 | 无刷风机柔和风 | |
| 气流量 | 120升/分钟（最大） | |
| 温度调节范围 | 100℃~450℃ | |
| 显示形式 | LED发光管 | LED数码(分辨率1℃) |
| 噪音 | 小于45dB | |

# 三、用途

1. 适合多种元件的拆焊,如：SOIC、CHIP、QFP、PLCC、BGA等。
2. 用于热收缩、烘干、除漆、除粘、解冻、预热、胶焊接等。

# 四、操作说明

1. 将拆焊台摆放好，手柄搁置在手柄架上。
2. 连接好电源。
3. 装置所需风咀(尽量使用大口径喷咀)。
4. 打开电源开关，显示窗口显示"－－－"，此时拆焊台为待机状态。（LED微电脑数码显示型）。
5. 按"▲"或"▼"键设置工作温度。(LED微电脑数码显示型)。

6、旋转温度控制旋钮，设置所需工作温度。（发光管指示型）。

7、拿起拆焊台手柄，拆焊台正常加热工作。调节风量旋钮使风量合适，待温度稳定后便能正常作业。

8、工作完毕，必须把手柄放置手柄架，此时拆焊台自动切断加热电流，进入送冷风冷却发热体模式，当温度低于100℃拆焊台进入待机状态。

9、长期不操作，须关闭电源开关。

⚠注意：

在能完成作业的情况下，尽量使用低的温度及大的风量，这样有助于拆焊台发热体的寿命及所拆焊IC芯片的安全。

## 五、设置温度、风量

1、发光管指示热风拆焊台：

★ 旋转温度控制旋钮至所需温度刻线。

2、LED微电脑数码显示型热风拆焊台：

★ 在通电状态下，按"▲"或"▼"键，温度显示窗口会显示设定的温度。

★ 按一次"▲"键，则设定温度上升1℃，显示窗口显示设定温度；按一次"▼"键，则设定温度下降1℃；若按住"▲"或"▼"键不放，则温度迅速上升或下降。释放按键后，显示窗口显示设定温度两秒钟后，显示实际温度或显示"－－－"进入待机状态。

3、风量调节：(8858D系列适用)

按一次SETUP键，显示FAN，再按上下键调所需风量可调节范围为20-100档，设置完毕自动恢复显示温度。

附注：符号说明

A.显示"－－－"，表示出风口温度低于100℃，拆焊台进入待机状态，手柄搁置在手柄架上。

B.显示"S—E"，表示拆焊台的传感器有问题，需要更换发热体（发热材料及传感器组件）。

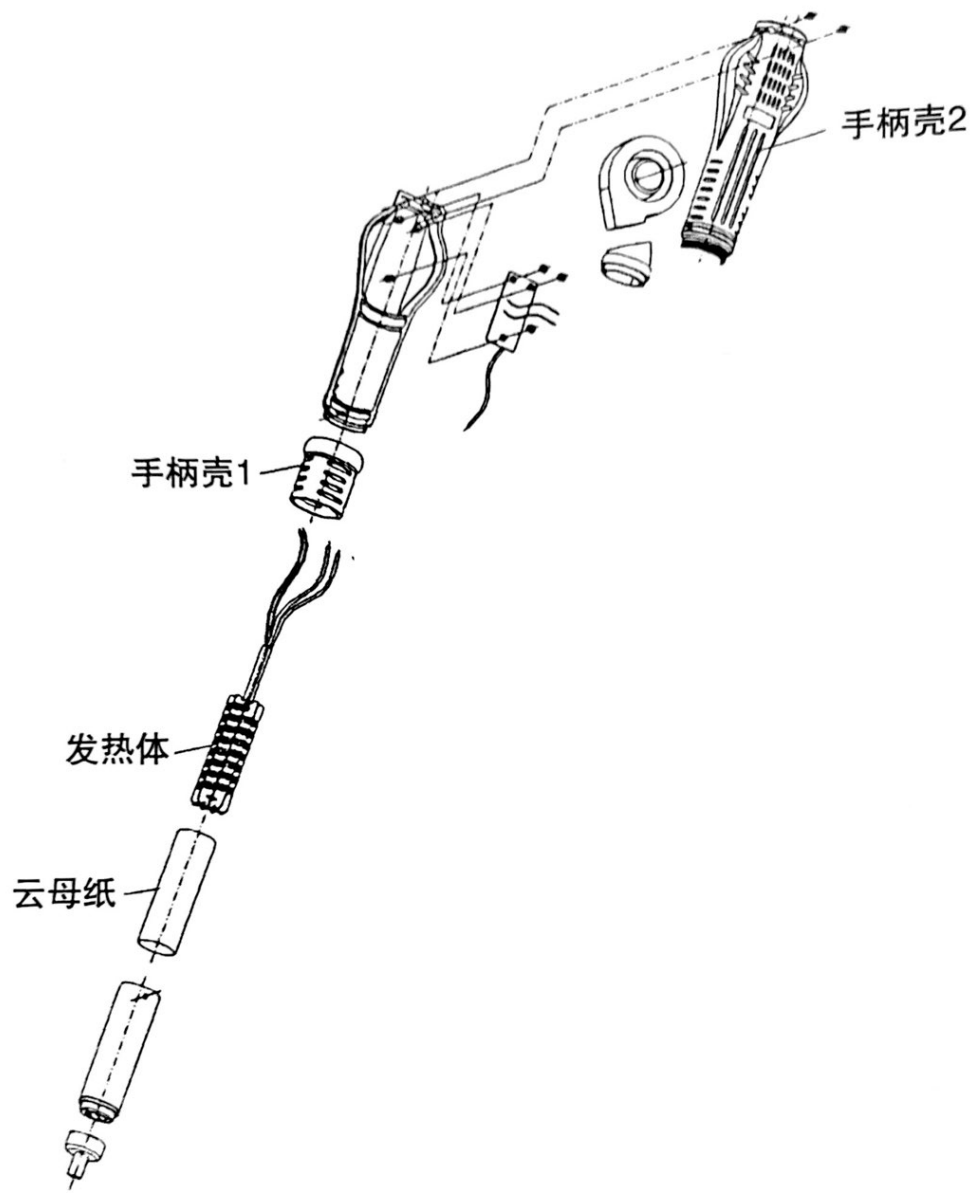C.当工作时，显示温度小于50℃，并不再升温，表示拆焊台的发热体可能损坏，需要更换发热体（发热材料及传感器组件）。

## 六、拆焊台使用须知

1、热风拆焊台出风口及周边可能有极高温度，应小心谨慎，谨防烫伤。

2、加热手柄必须放置在手柄架上，决不能放置工作台面或其它地方。

3、请保持出风口畅通，不能有阻塞物。

4、工作完毕，必须把加热手柄必须放置在手柄架上，让机器自动冷却至100℃以下（进入待机状态）才能关闭电源开关。

5、使用时出风口与物件之距离最少是2毫米，以出风口计算。

6、根据工作需求，选用合适的风咀，不同的风咀，温度可能略有差别。

## 七、更换发热体

1、更换发热体应在其冷却时进行更换。

2、如图，松开手柄上的两只固定螺丝。

3、旋出手柄壳1，再将手柄壳2取出。

4、轻轻移出风机，取出固定接线板的3只螺丝。

5、将接线板反过来，从接线板上拆开发热体的连接线，注意其连接位置。

6、从钢管中取出发热体与包住发热体的云母纸，注意不要弄断钢管上的接地线。

7、用云母纸包好新发热体，将其插入钢管中，注意发热体要安装到位。

8、按照原先的位置连接发热体的各连接线。

9、按拆开时的相反程序回装好手柄。

⚠注意：

1、更换发热体时，小心不要损坏钢管上的接地线。

2、更换时注意风机的连接线，不要损坏。

3、回装手柄壳1时，手柄壳上的固定柱要在钢管的固定孔内。

4、如果电源软线损坏，为了避免危险，必须由制造商其维修部或类似部门的专业人员更换。

5、如果使用热风枪时不小心可能引起着火，所以在有易燃材料的地方使用热风枪时要小心；不要长时间在同一地方使用热风枪；不要在易爆性环境中使用热风枪；要意识到热可能传递到远处的易燃材料；使用后把热风枪放在支架上使之冷却，然后再保存；机器接通时需有人照看。

手柄壳2

手柄壳1

发热体

云母纸

## Features:

1. Closed loop sensor, temperature controlled by microcomputer and LED display which lead to steady and accurate temperature. It makes the non-lead desoldering come true.
2. The air flow rate is adjustable; the air volume is large and gentle; the temperature can be adjusted easily; widely applicable.
3. There is a sensor switch in the handle, the system enters the work-mode as long as you hold the handle, and it enters the standby mode when the handle is put back to the holder.
4. The system has the automatic cooling function, which can protect the heat gun and extend the life of heating element.
5. The long life brushless air blower is used in the station, and the noisiness is in a low level.

## Specifications:

| Model | 858/868 | 858D/868D/8858D |
|---|---|---|
| Type | Luminotron indication | LED microcomputer digital display |
| Power Consumption | 700W | |
| Pump | Brushless air blower with soft wind | |
| Air flow volume | 120L/min. | |
| Temperature adjusting range | 100℃—450℃ | |
| Display form | LED | LEDdigital(resolution 1℃) |
| Noise | < 45dB | |

## Applications:

1. Suitable for the desoldering of various elements, like SOIC、CHIP、QFP、PLCC、GAG. etc.

2.Applicable to thermal shrinkage, drying, painting removal, adhesive removal, thawing, preheating and plastic soldering.

## Operation Instructions:

1.Put the disordering station in position, and put the handle on the holder.

2.Connect the power supply.

3.Install the required nozzle(try to use big bore nozzle).

4.Turn on the power switch, and the screen displays " — — —", and the soldering station is in standby mode(LED microcomputer digital display).

5.Set the required working temperature by pressing "▲"or"▼".

6.Rotate the temperature knob to set required working temperature(luminotron indication type).

7.Hold the handle of disordering station, and it starts to heat normally. Adjust the air volume adjusting knob to get proper air volume. It starts to work normally after the temperature is stable.

8.Put the handle on the holder after work, and then the desoldering station will cut off the current automatically and enter into heating element cooling mode. The desoldering station will enter into standby mode when the temperature is less than 100℃.

9.Turn off the power switch in case of long time stop of operation.

⚠Caution:

Before the finish of work, try to use low temperature and big air volume, which is good for the lifetime of heating element and safety of desoldering station IC core.

## Set temperature And Air Regulation

1. Hot Air Rework Station with LED indicator light
   Rotate the temperature control knob to the required

temperature line.

2. LED Microcomputer Digital Display Hot Air Rework Station:

* Press "▲" or "▼" with power on, the temperature display screen will display setting temperature.

* Press "▲" one time, the setting temperature will rise 1℃ and the screen displays setting temperature. Press"▼"one time, the setting temperature will drop 1℃. If keep pressing "▲" or "▼", the temperature will rise or drop rapidly. Release the button, the screen will display the setting temperature for two seconds, and then enter into standby mode displaying actual temperature or "— — —".

3. Air Regulation (This series of 8858D are suoted to use) Push the setup button. On screen display fan. Press the UP/DOWN button, air regulation 20 to 100。 when completes tl set up. The screen restores the temperature display。

Annotation: symbol meanings

A: When "— — —"is showed, it means the temperature is lower than 100℃. The desoldering station enters into standby mode, and the handle is on the holder.

B: When "S—E" is showed, it means the sensor of desoldering station goes wrong, the heater(heating material and sensor components) needs to be replaced.

C: If the temperature is lower the 50℃ and stops rising during work, it means that the heater is possibly damaged and the heater(heating material and sensor components) needs to be replaced.

# Usage Tips for Desoldering Station:

1.Beware of burning which may cause by the possible high temperature at air outlet and neighbor area of hot air desoldering station.

2.Heating handle must be put on the holder. It's prohibited to put the handle on the desk or somewhere else.

3.Keep the outlet clear without blocks.

4.Heating handle must be put on the holder after work.. Do not turn off he power switch until the machine cooling under 100 ℃(enter into standby mode).

5.The distance between air outlet and object shall be at least 2mm during working.

6.Choose proper nozzle according to work requirement. The temperature differs slightly from different nozzles.

## Heater Replacement

1.Replace the heater when it cools down.

2.Loose the two fixing screw on the handle as shown in the picture.

3.Switch out handle case 1 and then take handle case 2 out.

4.Move the air blower out gently, and take out the 3 screws which fix the wiring board.

5.Turn over the wiring board, and remove the wire of the heater from the wiring board. Pay attention to the connecting place.

6.Take the heater and the mica paper out of the steel tube; Do not break the grounding wire on the steel tube.

7.Wrap the new heater with mica paper and insert it into the steel tube; Pay attention so that it is installed in position.

8.Connect all the wires of the heater to their previous position.

9.Installed the handle back in inverse order of removing it.

⚠Caution:

1.Do not damage the grounding wire while replacing the heater.

2.Do not damage the connecting wire of the air blower during the replacement.

3.The fixing pin on the handle case shall be in the fixing hole of the steel tube when installing handle case1 back.

handle case 2

handle case 1

heating element

mica paper