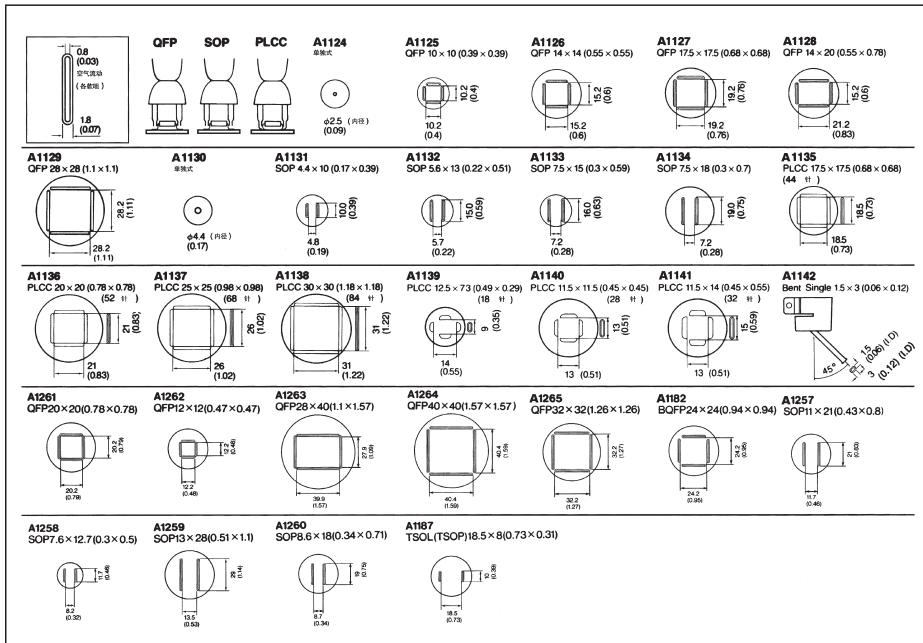


喷咀的规格及尺寸 (表示扁平IC的尺寸)

Specifications and the size of the nozzles (denote dimensions of flat IC)

可更换喷嘴/Nozzles (mm)



850 Series SMD REWORK STATION

850 系列热风拆焊台

User's Manual 中英文使用说明书

感谢您选择本公司产品，在使用本产品之前，请仔细阅读本使用说明书。

产品概要

1. 规格

电源电压	200~240V AC/50Hz
功率消耗	560W(瞬间)
空气泵	膜片式专用泵
容量	23L/min(最高)
热空气温度	100 °C~480 °C
外形尺寸	260(L) × 157(W) × 170(H)mm
重量	约 3.2Kg

2. 功能

- 使用传感器闭合回路控温，开机功率大，瞬间达到560W。升温迅速，定温方便，风口温度精确稳定，不受出风量影响。调节气流1~8档，温度维持不变，能更好保护IC和PCB板。
- 使用传感器闭合回路，当风口温度达到设定温度时，加热指示灯熄灭，发热体不再加热。当风口温度低于设定温度时，加热指示灯才闪亮，维持温度恒定，延长发热体使用寿命。
- 使用传感器闭合回路，拔焊工作完闭，关机后自动送风冷却系统工作，且此时气流可调节大小，当风口温度低于100°C时，自动关闭冷却系统，(850、850DB除外)能更好保护发热体、手柄、风头，大幅度延长机器使用寿命。
- 850D、850DB可数风口温度与实际温度可选择显示。
- 防静电设计，防止因静电及漏电而损坏PCB板。
- 不需接触焊点的焊锡方式可免除零件位移及热冲击。
- 能大幅度调节空气量及温度，可焊接QFP及SOP型IC。焊接及除锡可根据要求选用不同喷嘴。
- 采用进口发热丝，喷嘴与国际品牌共同。

3. 用途

适用于大多数表面贴装零件的拆焊，如SOIC、CHIP、PFP、PLCC、BGA等。

4. 850A+、850风口温度分布表

控温钮	1	2	3	4	5	6	7	8
温度°C	100	130	190	250	310	380	440	480

温度设定和调节气流

- 850A+、850温度设定，请参考风口温度分布表使用。
- 850D、850DB调节温度设定旋钮，显示的数值就是设定的温度，按住红色选择键 (REAL TEMP)，当前喷气口温度。
- 指示灯闪亮，表示发热体在加热，指示微亮，表示温度已达到设定温度。

我们建议：您温度一般可设定在300°C到380°C之间 (850+、850控温钮在5~6档)。当给BGA植锡时，可不用风嘴，调小风量，温度设定在180°C~250°C之间 (850A+、850控温钮在3~4档)。如果是单喷嘴，如1124头，气流控制钮可设在1~5档，其它喷嘴可设定在4~7档。

使用说明

1. 使用前准备工作

- 选择与集成电路尺寸相配合的起拔钢丝。FP起拔器配有小钢丝 (14毫米)，但可能需要大起拔钢丝 (30毫米)。请依照集成电路块尺寸，选择适当的起拔钢丝。
- 选择与集成电路块尺寸相配合的喷嘴。
- 松开喷嘴螺丝。
- 装置喷嘴。
- 适当紧固螺丝。

2. 除锡过程

- 按电源开关，850D、850DB显示屏显示为设定温度，并开始加热，指示灯闪亮。自动喷气时，可随时按开电源。
- 调节气流和设定温度钮
- 设定好温度和调节气流后，稍等一会儿，待温度稳定下来。
- 将起拔器置于集成电路块之下

将起拔器插入集成电路块底下。如果集成

电路块宽度不适合起拔器钢丝尺寸，可挤压钢丝宽度以适应之。

- 熔化焊剂

持着焊铁，使喷嘴对准所要熔化焊剂部分，让喷出热气熔化焊剂。

喷嘴不可触及集成电路块引线。

• 移开集成电路块

焊剂熔化时，提起起拔器，移开集成电路块。

• 按关电源

按关电源开关后，自动喷气功能开始操作，通过管件输送凉气，使发热材料手柄降温。因此在冷却时段，不可拔去电源插头。当风口温度低于100°C时 (850、850DB除外)，自动关机。如果您往后有一段长时间不使用本机身，应拔出电源插头。

注：850、850DB按关电源开关后约1分钟自动关机。

• 清除焊剂残余

移开集成电路块后，可用吸锡器或吸锡泵清除焊剂残余。

注：如果是SOP、PLCC，可用镊钳提起集成电路块。

3. 焊接

• 涂抹适量锡膏

涂抹适量锡膏，将SMD放在电路板上。

- 预热SMD
- 焊接。向引线框平均喷出热气。
- 清理。焊接完毕，清除熔料残余。

注：用热气焊接是有效的，但也可能导致焊剂球，焊剂搭连等问题。我们建议您仔细检查焊接原件。

注意事项

- 安装喷嘴时勿用力过大，或用钳子拉动喷嘴边缘，勿过度拧紧螺丝。

- 安装喷嘴时必须在发热管与喷嘴冷却时，才能装喷嘴。

• 小心，高温操作

切勿在近易燃气体、纸张、或其它易燃物

体附近使用本拆焊台，喷嘴和热气都十分炙热，能灼伤人体。切勿触摸发热管、或以热气直喷人体。对于新机，因手柄内有隔热材料—云母管，开机后短时间内会冒白烟，这属于正常现象。

使用后，切记冷却机身关机后，发热管会自动喷出凉气。在此冷却时段，请勿拔去电源插头。当风口温度低于100°C时，自动关机。

• 切勿掉落或重震

发热管含有石英玻璃。如果掉落或重震，会使玻璃破碎。

• 勿拆开泵。

当温度超过350°C时，开机起动时气流控制钮应尽量在3~8档。

替换发热材料

1. 替换部件

编号	名称	规格
A1144	发热材料	100~120V/250W
A1146	发热材料	220~240V/250W
A1144B	发热材料	100~120V/250W
A1146B	发热材料	220~240V/250W

2. 替换发热材料

• 松开螺丝，移出电线管

松开拴紧手柄的3枚螺丝，移出电线管。

• 拆开手柄

松开接地电线护套，取出管件，管内装置有石英玻璃和热绝缘体。勿掉落或遗失。

• 取出发热材料

松开终端，取出发热材料。

• 插入新发热材料

小心处理，切勿磨擦发热材料电线。插入新发热材料。

重接终端。传感器线有极性，应注意区别。

依拆开时的相反程序，回装手柄。

Thanks for using our products, please read this manual thoroughly before operation.

SPECIFICATION

Power Voltage	200~240V AC/50Hz
Power Consumption	560W(Max.)
Pump	Diaphragm Pump
Capacity	23L/min(Max.)
Hot Air Temperature	100°C to 480°C
Outer Dimensions	260*157*170mm (L*W*H)
Weight	3.2Kg approx

USAGE

Suit for most desoldering of SMD, such as SOIC, CHIP, QFP, PLCC, BGA etc.

CHART OF TEMPERATURE

Temp. Knob	1	2	3	4	5	6	7	8
Temp. (°C)	100	130	190	250	310	380	440	480

Indicator flickers denotes that heating element is being heated up, when it extinguishes denotes that temperature has reached the setting one.

BEFORE OPERATION

• Select the Nozzle that matches the size of the IC.

Attach the Nozzle when both the Pipe and the Nozzle are cool. Should either be warm, check to make sure that the Temperature Control Knobs set to 1.

• Loosen the screw on the Nozzle.

• Attach the Nozzle.

Do not force the nozzle or pull on the edge of the Nozzle by pliers. Also, do not re-tighten the screw too tightly.

OPERATING INSTRUCTIONS

QFP DE-SOLDERING

• Plug the power cord into the power supply.

After connection, the automatic blowing function will start sending air through the pipe, but the Heating Element remains cool.

• Turn the Power switch on.

The Power Switch may be turned on at any time while the automatic blowing function is operating. Once the Power Switch is turned on, the Heating Element will begin to warm up.

• Adjust the Air Flow and Temperature Control Knobs.

After adjusting the Air Flow and Temperature Control Knob, wait for the temperature to stabilize for a short period of time.

• Melt the solder.

Hold the iron so that the Nozzle is located directly over, but not touching the IC and allow the hot air to melt the solder. Be careful not to touch the leads of the IC with the Nozzle.

• Remove the IC.

Once the solder has melted, remove the IC by lifting the plier.

• Turn the Power Switch off.

After the Power Switch is turned off, an automatic blowing function begins sending cool air through the pipe in order to cool both the heating element and the handle. So do not disconnect the plug during this cooling process. In case you don't use the unit for a long time, disconnect the plug.

Note: After turn off the Power Switch of about 1 minute later, power is automatically shut off.

• Remove any remaining solder.

After removing the IC, remove remaining solder with a wick or de-soldering tool.

Note: In case of SOP, PLCC, desolder it by using tweezers, etc.

QFP SOLDERING

• Apply the solder paste.

Apply the proper quantity of solder paste and install the SMD on the PCB.

• Preheat SMD.

Refer to the photo to preheat SMD.

• Soldering

Heat the lead frame evenly.

• Washing

When soldering is completed, wash away the flux.

Note: While here is a merit to solder by Hot air, it's also possible to cause the defects such as solder balls, older bridges. We recommend you to examine the conditions of soldering sufficiently.

PRECAUTIONS

• Before attach the nozzle, make sure that both the heating tube and the nozzle are cool down.

• Caution High Temperature Operation

Do not use the unit near ignitable gases, paper, or other inflammable materials. Both the nozzle and the heated air are extremely hot and can cause painful burns. Never touch the heater pipe or allow the heated air to blow against your skin. Initially, the iron may emit white smoke, but this will soon disappear.

• After use, be sure to cool the unit.

After turning off the power switch, the unit will automatically blow cool air through the pipe for a short period of time. Do not disconnect the plug during this cooling process.

• Never drop or sharply joint the unit.

The pipe contains quartz glass, which can break if the unit is dropped or jolted sharply.

• Do not disassemble the pump.

• Disconnect the plug when you don't use the unit for a long time.

When the power cord is connected into the power supply, the unit has a little flow of electricity, even the Power Switch is in off position. So when you don't use the unit for a long time, disconnect the plug.

REPLACING THE HEATING ELEMENT

• Remove the screws, slide the tube.

Remove the 3 screws, which secure the Handle and slide the cord tube.

• Open the Handle.

Disconnect the ground wire sleeve and remove the pipe. In the pipe. The quartz glass and heat insulation is installed. Do not drop or miss it.

• Remove the Heating Element.

Disconnect the terminal and remove the Heating Element.

• Insert a new Heating Element.

Handle it with care. Never rub the Heating Element wire. Insert a new Heating Element and reconnect the terminal. Reconnect the ground wire after replacing the element. Assemble the Handle in the reverse order of disassembly. Insert the Handle's projection into the hole in the pipe.

Interchangeable Parts:

Number	Name	Specifications
A1144	Heating Element	100~120V/250W
A1146	Heating Element	220~240V/250W
A1144B	Heating Element	100~120V/250W
A1146B	Heating Element	220~240V/250W