

## Packing List:



FR-810B Rework Station with British Power Lead, Temperature Distribution Chart + Instruction manual



Handpiece with Φ4mm Nozzle (N51-02)



Handpiece Holder (B5048)



Hot Air Control Knob with screw (B3023)



Vacuum Suction Pads ø7.6 mm (A1438)



Vacuum Suction Pads ø5 mm (A1439)



Vacuum Suction Pads ø3 mm (A1520)



Heat Resistant Pad (B2300)









Hot Air Convection

Vacuum Pick Up

# Specifications:

#### FR-810B

Power consumption	AC 230V: 1,200W
Temperature range	50 to 600°C

#### FR-810B Station

Power consumption	30W
Temperature range	50 to 600°C
Air flow	1-9 (5 to 115L/min)
Dimensions	160(W)×145(H)×220(D)mm
Weight	1.5kg
Vacuum pressure	81kPa (610mmHg)

(内径)

N51-01 Single

Vacuum function inoperative

#### Handpiece

Power consumption	AC230V: 1,170W
Standard nozzle	Ф4mm (No.N51-02)
Total length	250mm
Weight	180g
Vacuum generator	Diaphragm pump

- \* Total length and weight for handpiece (w/o cord, standard nozzle)
- \* Airflow capacity is rated as free flowing. Restrictions created by various nozzles may reduce the maximum airflow capacity.

## Nozzles:

The FR-810B requires the quick change N51 Series hot air nozzles which are available in a range of sizes. The FR-810B comes supplied with the N51-02 standard 4mm nozzle, other sizes are available to purchase separately.

#### **N51 Series**

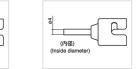
#### **Singles**



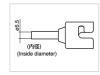
N51-50 Nozzle Set Contains N51-01, N51-03, N51-04,and N51-05.



N51-05 Bent Single Vacuum function inoperative



N51-02 Single Standard nozzle for FR-810/FR-810B



N51-03 Single



N51-04 Single

# Nozzles (continued):

# **BGA Type**



N51-10 BGA Size 4×4



N51-15 BGA Size 14×14



N51-17 BGA Size 17×17



N51-22 BGA



N51-11 BGA Size 6×6



N51-16 BGA



N51-18 BGA Size 18×18



N51-23 BGA



N51-12 BGA Size 8×8



N51-17 BGA Size 17×17



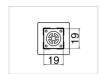
N51-19 BGA



N51-24 BGA



N51-13 BGA Size 10×10



N51-18 BGA



N51-20 BGA



N51-25 BGA Size 38×38



N51-14 BGA Size 12×12



N51-16 BGA



N51-21 BGA Size 24×24



N51-26 BGA Size 40×40

## **QFP Conventional Type**



A:20.2 B:20.2

A:40.2 B:40.2

A1125B QFP Size 10 x 10

A1261B QFP

Size 20 x 20

39 A1264B QFP



Size 12 x 12



A1262B QFP



A1129B QFP Size 28 x 28



A1215B QFP



A1126B QFP Size 14 x 14



A1263B QFP Size 28 x 40



A1180B BQFP Size17 x 17



A1128B QFP Size 14 x 20



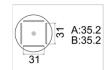
A1265B QFP Size 32 x 32



A1181B BQFP



A1127B QFP Size 17.5 x 17.5



A1203B QFP Size 35 x 35



A1182B BQFP Size 24 x 24

# **SOP Conventional Type**



A1131 SOP Size 4.4 x 10 Vacuum function inoperative



A1260B SOP Size 8.6 x 18



A1132 SOP Size 5.6 x 13 Vacuum function inoperative



A1257B SOP Size 11 x 21



A1133 SOP Size 7.5 x 15 Vacuum function inoperative



A1259B SOP Size 13 x 28



A1134 SOP Size 7.5 x 18 Vacuum function inoperative



A1258B SOP Size 7.6 x 12.7

## Nozzles (continued):

### **TSOL Conventional Type**



A1185B TSOL



A1186B TSOL Size18 x 10



A1187B TSOL Size 18.5 x 8

### **PLCC Conventional Type**



A1188B PLCC Size 9 x 9(20pin)



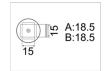
A1140B PLCC Size 11.5 x 11.5(28pin)



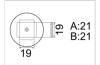
A1141B PLCC Size 11.5 x 14(32pin)



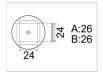
A1139B PLCC Size 12.5 x 7.3(18pin)



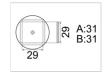
A1135B PLCC Size 17.5 x 17.5(44pin)



A1136B PLCC Size 20 x 20(52pin)



A1137B PLCC Size 25 x 25(68pin)

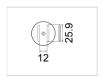


A1138B PLCC Size 30 x 30(84pin)

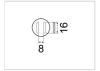


A1189B PLCC Size 34 x 34(100pin)

#### **SOJ Conventional Type**



A1214B SOJ Size 10 x 26

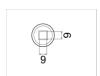


A1183 SOJ Size 15 x 8 Vacuum function inoperative



A1184B SOJ Size 18 x 8

# BGA Conventional Type



A1470 BGA Size 8 x 8



A1471 BGA Size 12 x 12



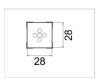
A1472 BGA Size 13 x 13



A1473 BGA Size 15 x 15



A1474 BGA Size 18 x 18



A1475 BGA Size 27 x 27



A1476 BGA Size 35 x 35



A1477 BGA



A1478 BGA Size 40 x 40

# **Single Conventional Type**



A1124B Single Size Φ2.5 Vacuum function inoperative



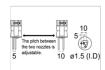
A1130 Single Size Φ4.4 Vacuum function inoperative nozzle



A1142B Bent Single Size Φ1.5 x 3 Vacuum function inoperative nozzle



A1190 Dual Single Size  $\Phi$ 2.5 x 9.5 Vacuum function inoperative nozzle



A1325 Dual Single Size Φ1.5 x 5 to 10 Vacuum function inoperative nozzle

#### **SIP Conventional Type**



A1191 25L Vacuum function inoperative nozzle



A1192 50L Vacuum function inoperative

## Recommended Extras:

Available to purchase separately



B5126 Hot Air Guard



C1390C Omniverse PCB Holder



FR830 PCB Underboard Heater



C5027 PCB Board Holder



C5028 Rework Fixture



C5029 Large Rework Fixture



C1391B Nozzle Tray for Conventional Nozzles



WICK
Desolder Braid
Available in different sizes



FT640 / FT641 Tweezers



FS210 Flux Pen



FG100B + C1541 Thermometer + Hot Air Station Probe

