

HAK(O

FR702-72



Packing List:



FR-702 Station with British Power Lead (B2425) + Instruction



Desoldering Tool (FR4103-81) with N61-02 Nozzle



Iron Stand (FH400), Cleaning Pot (FT400) and Wire (599-029)



Soldering Iron (FX8801-01) with T18-B Tip



Iron Stand (FH800), Sponge (A1559) and Wire (A1561)



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)



Color band (qty 2) (B5125)



Tool Box (C5030) Contains below components.



Ceramic paper filter (4 pcs.) (A5044)



Filter (2 pcs.) (A5020)



Nozzle wrench (B5106)



Cleaning pin for ø1.0 mm (B1087)

Cleaning pin for heater (B1215)

Cleaning drill for ø1.0 mm (B1303)

FX8801 Soldering Iron

Power consumption	65W (26V)
Tip to ground resistance	<2Ω
Tip to ground potential	<2mV
Heating element	Ceramic heater
Standard tip	Shape-B (No.T18-B)
Cord length	1.2m
Total length	217mm (with B tip)
Weight	46g (with B tip)

Hot Air Handpiece

The training received	
Power consumption	AC230V: 1,170W
Standard nozzle	Φ4mm (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.

Specifications:

Model No.	FR702
Power consumption	1,030W
Dimensions	370(W)×150(H)×220(D)mm
Weight	9kg

FR-702 Soldering

Output voltage	AC 26V
Temperature range	50 to 480°C
Temperature stability	±1°C at idle temperature (When set to 200 to 480°C)

FR-702 DeSoldering

Output voltage	AC 24V
Vacuum generator	Vacuum pump, double cylinder type
Vacuum pressure	Max. 80kPa (600mmHg)
Suction flow	15L/min.
Temperature Range	330 to 450°C
Temperature stability	±5°C at idle temperature

FR-702 Hot Air

Power Consumption	30W
Air Flow	1 to 9 (5 to 115L/min.)L/min.
Temperature Range	50 to 600°C

ED4103 DoSoldoring Gun

FR4 103 DeSoldering Guil		
Power consumption	140W (24V)	
Nozzle to ground resistance	<2Ω	
Nozzle to ground potential	<2mV	
Heating element	Composite heater	
Cord length	1.2m	
Total length	168mm (with φ1.0mm S nozzle)	
Weight	190g (with Φ1.0mm S nozzle)	

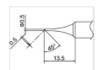
^{*} The suction flow is measured at the filter case suction port of station.

* Total length and weight (w/o cord, hose)

Soldering Tips:

The FX8801 supplied with the FR-702 soldering station requires the T18 Series Tips which are available in a variety of shapes and sizes. Note: A T18-B Standard tip is included with this soldering station. Alternate tips may be purchased separately.

Shape BC / C



T18-C05 Shape-0.5C



T18-C5 Shape-5C



T18-C08 Shape-0.8C



T18-CF1 Shape-1C



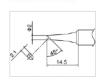
T18-C1 Shape-1C



T18-CF15 Shape-1.5C Tinned cut surface only



T18-C2 Shape-2C



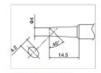
T18-CF2 Shape-2C Tinned cut surface only



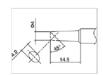
T18-C3 Shape-3C



T18-CF3 Shape-3C Tinned cut surface only



T18-C4 Shape-4C



T18-CF4 Shape-4C Tinned cut surface only

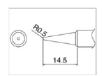


T18-CSF25 Shape-2.5CS This type has good heat transfer with short tip end design, tinned cut surface only.



T18-S6 Shape-S6

Shape B



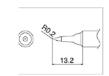
T18-B Shape-B



T18-BL Shape-BL



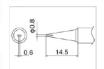
T18-S4 Shape-S4 Narrow-pitch Soldering Type (Shape S)



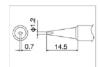
'18-SB Shape-SB larrow-pitch Soldering Type Shape S)



Shape D



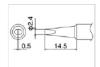
T18-D08 Shape-0.8D



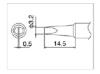
T18-D12 Shape-1.2D



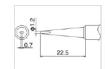
T18-D16 Shape-1.6D



T18-D24 Shape-2.4D



T18-D32 Shape-3.2D



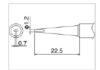
T18-DL12 Shape-1.2DL



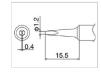
T18-D24 Shape-2.4D



T18-D32 Shape-3.2D



T18-DL12 Shape-1.2DL



T18-S9 Shape-S9 Narrow-pitch Soldering Type (Shape S)

Shape I / J / K



T18-I Shape-I



T18-BR02 Shape-0.2BR



T18-K Shape-K

DeSoldering Nozzles:

The FR4103 supplied with the FR-410 desoldering station requires the N60 Series Nozzles which are available in a variety of shapes and sizes to purchase separately. Note: A N60- 02 1mm Nozzle is included with this station.

Standard Type for Land-Patterns

Close Fitting Nozzles for standard size land pattern secure desoldering.



S Type for smal land-patterns

Close Fitting Nozzles for small size land pattern secure desoldering.



SS Type for micro land-patterns

Close fitting nozzles for micro size land pattern secure desoldering.



Oval Type for flat terminals

Slim and long nozzles to reach components in narrow spaces. Recommended for shield cases.

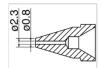


Long Type for narow space

Slim and long nozzles to reach components in narrow spaces. Recommended for header sockets.



Standard type



N61-07 Nozzle Standard type

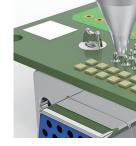
Size Φ0.8



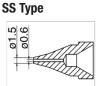
N61-08 Nozzle Standard type Size Φ1.0



N61-09 Nozzle Standard type



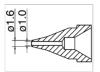




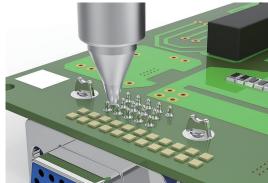
N61-01 Nozzle SS type



N61-02 Nozzle SS type Size Φ0.8



N61-03 Nozzle SS type



S type



N61-04 Nozzle S type



N61-05 Nozzle S type Size Φ1.0



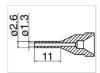
N61-06 Nozzle S type Size Φ1.3

Size Φ0.8 **Long Type**



N61-11 Nozzle Long type

N61-12 Nozzle Long type Size Φ1.0



N61-13 Nozzle Long type

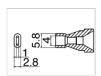


N61-14 Nozzle Long type

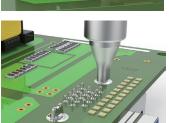




N61-15 Nozzle Oval type Size 3×1 mm



N61-16 Nozzle Oval type Size 4×1 mm



Recommended Desoldering Extra:

(Available to purchase separately)

C5046 Nozzle Quick Changer

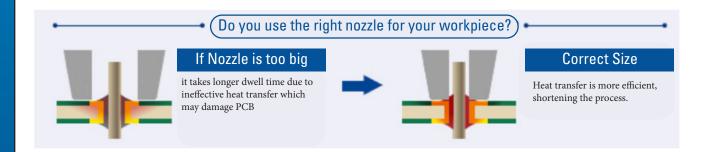






Upper Section can be used to store spare nozzles.

Quickly and safely change nozzles during use with the C5045. Three Bays to pre-load nozzles for fast change over in three easy steps; insert, twist and go.



Hot Air Nozzles:

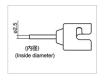
The FR-702 Hot Air Tool requires the quick change N51 Series hot air nozzles which are available in a range of sizes. The FR-702 comes supplied with the N51-02 standard 4mm nozzle, other sizes are available to purchase separately.

N51 Series

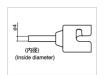
Single Type



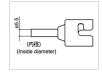
N51-50 Nozzle Set Contains N51-01, N51-03, N51-04, and N51-05.



N51-01 Single Vacuum function inoperative nozzle



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



N51-03 Single





N51-04 Single



N51-05 Bent Single Vacuum function inoperative nozzle



Hot Air 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



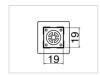
N51-19 BGA



N51-24 BGA Size 35×35



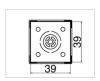
N51-13 BGA Size 10×10



N51-18 BGA Size 18×18



N51-20 BGA



N51-25 BGA Size 38×38



N51-14 BGA Size 12×12



N51-16 BGA Size 15×15



N51-21 BGA Size 24×24



N51-26 BGA Size 40×40

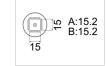
QFP Conventional Type



A1125B QFP Size 10 x 10



A1262B QFP Size 12 x 12



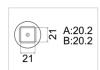
A1126B QFP Size 14 x 14



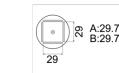
A1128B QFP Size 14 x 20



A1127B QFP Size 17.5 x 17.5



A1261B QFP Size 20 x 20



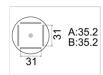
A1129B QFP Size 28 x 28



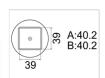
A1263B QFP Size 28 x 40



A1265B QFP Size 32 x 32



A1203B QFP Size 35 x 35



A1264B QFP



A1215B QFP Size 42.5 x 42.5



A1180B BQFP Size17 x 17



A1181B BQFP



A1182B BQFP Size 24 x 24

SOP Conventional Type



A1131 SOP Size 4.4 x 10 Vacuum function inoperative nozzle



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 nozzle



A1259B SOP Size 13 x 28



A1134 SOP Size 7.5 x 18 Vacuum function inoperative nozzle



A1258B SOP Size 7.6 x 12.7

Hot Air Nozzles (Continued)

TSOL Conventional Type



A1185B TSOL Size13 x 10



A1186B TSOL



A1187B TSOL Size 18.5 x 8

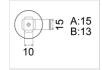
PLCC Conventional Type



A1188B PLCC Size 9 x 9(20pin)



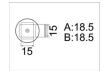
A1140B PLCC Size 11.5 x 11.5(28pin)



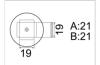
A1141B PLCC Size 11.5 x 14(32pin)



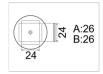
A1139B PLCC Size 12.5 x 7.3(18pin)



A1135B PLCC Size 17.5 x 17.5(44pin)



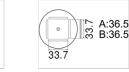
A1136B PLCC Size 20 x 20(52pin)



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

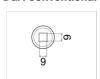


A1183 SOJ Size 15 x 8 Vacuum function inoperative



A1184B SOJ Size 18 x 8

BGA Conventional Type



A1470 BGA Size 8 x 8



A1471 BGA Size 12 x 12



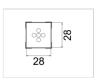
A1472 BGA Size 13 x 13



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

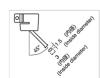
Single Conventional Type



A1124B Single Size Φ2.5 Vacuum function inoperative nozzle



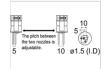
A1130 Single Size Φ4.4 Vacuum function inoperative nozzle



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



A1190 Dual Single Size Φ 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



A1192 50L Vacuum function inoperative

Recommended Extras:

Available to purchase separately



Solder Wire Holder 611-1 (Single) 611-2 (Double)



FX8803 One-Handed Solder Iron and Solder Feed



FX8804 Hot SMD Tweezers



FX8805 Heavy Duty Soldering Iron



FG100B Tip Thermometer



C1390C Omnivise PCB Holder



FR830 PCB Underboard Heater



C5027 PCB Board Holder



C5029 Large Rework Fixture



C5028 Rework Fixture



Nozzle Cleaning Pin B1086 ф0.8mm B1087 ф1.0mm B1088 ф1.3mm B1089 ф1.6mm



Nozzle Cleaning Pin B2874 φ0.6mm B2875 φ2mm / 2.3mm



FT640 / FT641 Tweezers



FA-400 Desk Top Fume Extractor



FA-400 Fume Extractor / Air Purifier



FG100B + C1541 Thermometer + Hot Air Station Probe



C1391B Nozzle Tray for Conventional Nozzles



B5126 Hot Air Guard



FT-700 Solder Tip Polisher



C4045 Nozzle Quick Change

