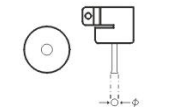
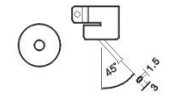
Single Type

Straight Single



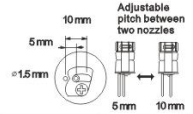
Nozzle Model	Nozzle Size, ϕ(mm)
1124	2.5
1130	4.4
1194	6
1195	8
1196	7
1197	9
1198	12

Bent Single



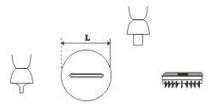
Nozzle Model	1142

Dual Single Adjustable



Nozzle Model	1325

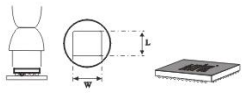
Single In Line Package



Nozzle Model	IC Package Size	Nozzle Length (mm)
1191	SIP 25L	26
1192	SIP 50L	52.5

BGA Packages

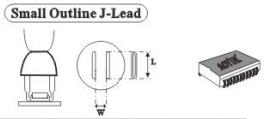
Ball Grid Array



Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		W	L
1010	BGA 9x9	10	10
1313	BGA 12x12	13	13
1616	BGA 15x15	16	16
1919	BGA 18x18	19	19
2828	BGA 27x27	28	28
3636	BGA 35x35	36	36
3939	BGA 38x38	39	39
4141	BGA 40x40	41	41

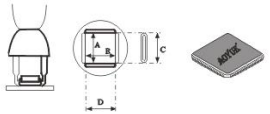
J Lead Components

Small Outline J-Lead



Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		L	W
1183	SOJ 15x8	16	8
1184	SOJ 18x8	19	10
1214	SOJ 10x26	25.9	12

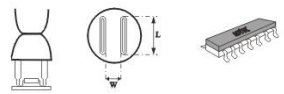
Plastic Leaded Chip Carrier



Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)			
		A	B	C	D
1135	PLCC 17.5x17.5 (44pins)	18.5	18.5	15	15
1136	PLCC 20x20 (52pins)	21	21	19	19
1137	PLCC 25x25 (68pins)	26	26	24	24
1138	PLCC 30x30 (84pins)	31	31	29	29
1139	PLCC 7.3x12.5 (18pins)	9	14	69	69
1140	PLCC 11.5x11.5 (28pins)	13	13	15	10
1141	PLCC 11.5x14 (32pins)	15	13	15	10
1188	PLCC 9x9 (20pins)	11	11	10	10
1189	PLCC 34x34 (100pins)	36.5	36.5	33.5	33.5

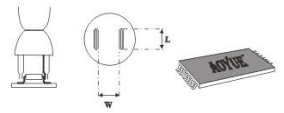
Gull Wing Leaded Components

Small-Outline Package



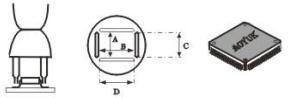
Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		L	W
1131	SOP 4.4x10	10	4.8
1132	SOP 5.6x13	15	5.7
1133	SOP 7.5x15	16	7.2
1134	SOP 7.5x18	19	7.2
1257	SOP 11x21	21	11.7
1258	SOP 7.6x12.7	11.7	8.2
1259	SOP 13x28	29	13.5
1260	SOP 8.6x18	19	8.7

Thin Small-Outline



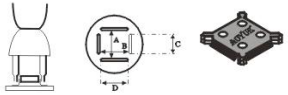
Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		L	W
1185	TSOL 13x10	10	11.9
1187	TSOL 18.5x8	10	18.5
1186	TSOL 18x10	11.7	18.2

Quad Flat Pack



Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)			
		A	B	C	D
1125	QFP 10x10	10.2	10.2	10	10
1126	QFP 14x14	15.2	15.2	15	15
1127	QFP 17.5x17.5	19.2	19.2	19	19
1128	QFP 14x20	15.2	21.2	15	21
1229	QFP 28x28	29.5	29.7	29	29
1215	QFP 42.5x42.5	42.5	42.5	40	40
1261	QFP 20x20	20.2	20.2	21	21
1262	QFP 12x12	12.2	12.2	12	12
1263	QFP 28x40	27.7	39.7	29	39
1264	QFP 40x40	40.2	40.2	39	39
1265	QFP 32x32	32.2	32.2	31	31

Bumpered Quad Flat Pack



Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)			
		A	B	C	D
1180	BQFP 17x17	18.2	18.2	13.6	13.6
1181	BQFP 19x19	19.2	19.2	16	16
1203	BQFP 35x35	35.2	35.2	30.6	30.6
1182	BQFP 24x24	24.2	24.2	21	21

Manufactured By:
AOYUE TONGYI ELECTRONIC EQUIPMENT FACTORY
Jishui Industrial Zone, Nantou, Zhongshan City,
Guangdong Province, P.R.China
http://www.aoyue.com

AOYUE® 852

SMD REWORK STATION

INSTRUCTION MANUAL

Thank you for purchasing 852 SMD Rework Station.
Please read the manual before using the unit.
Keep manual in accessible place for future reference.

WARNING: When turned ON, temperature of the hot air gun ranges from 100°C - 500°C. Injury might occur if not handled properly.

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REPLACING THE HEATING ELEMENT

1. Remove the screws (see fig.4) then slide off the tube.
2. Disconnect the ground wire sleeve (see fig. 5-1) and remove the pipe. Inside the pipe, the Quartz glass and heat insulation is installed.
3. Disconnect the terminal (see fig. 5-2) and remove heating element.
4. Carefully insert new heating element and reconnect the terminal. Avoid touching the heating element wire.
5. Reconnect the ground wire after replacing the element then reassemble unit.

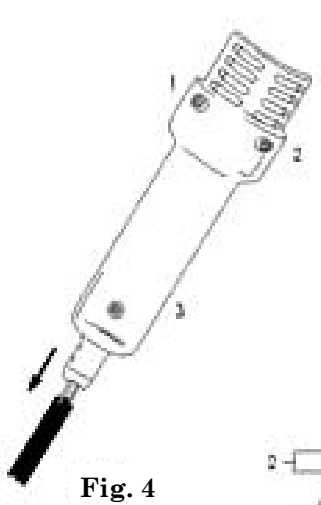

Fig. 4

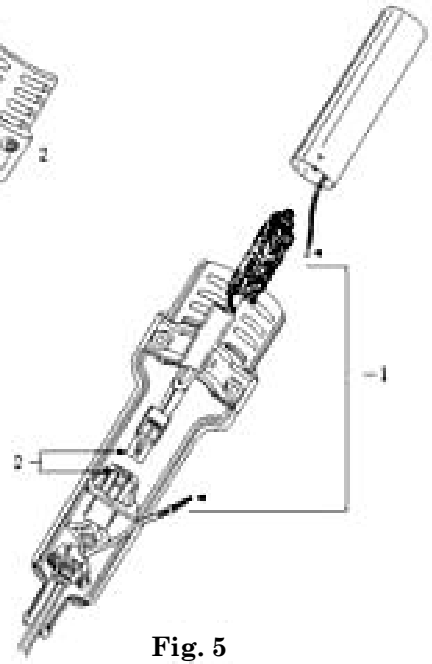

Fig. 5

OPERATING INSTRUCTIONS

Initial Procedures:

1. Ensure Hot air gun is place on its holder.
2. Put the power switch in off position.
3. Plug in unit to AC power source.

Hot Air reworking:

1. Turn on the power switch.
2. The Digital display would show the current Set temperature.
3. Adjust airflow to desired level, use the built in airflow gauge as reference for air flow level
4. Adjust desired temperature level.
5. Wait for actual temperature to reach the set temperature . The real temperature can be viewed by pressing the real temp switch.
6. When the Temperature has stabilized reworking may begin.
7. After usage place the hot air gun back to its holder.
8. Adjust air flow to maximum.
9. Turn the power switch to OFF position. Unit would continue blowing air to cool down the nozzle. When the temperature at the nozzle has reached a safe level (less than 100 degrees), the pump would automatically shut off.
10. Unplug unit if it is not to be used for extended periods.

PACKAGE INCLUSION

Station with hot air gun	1
Air nozzles （1124，1130，1196，1197）	4
G001 IC popper	1
Z001 Hot air gun holder	1
Power cord	1

SPECIFICATION

Power Input :	available in 110V / 220V
Power Consumption:	500W
Temperature Range:	100°C - 480°C
Heating Element:	Metal Heating Core
Pump/Motor Type:	Diaphragm Pump
Air Capacity:	23 l /min (max)
Station Dimensions:	188(w) x 127(h) x 244(d) mm
Weight:	3.8Kg

** This product is ESD-protected.
** Specifications and design are subject to change without prior notice.

CARE and SAFETY PRECAUTIONS

CAUTION: Misuse may cause injury and physical damage.
For your own safety, be sure to comply with the following precaution.

- Temperature may reach a high of 500°C when turned on.
  - Do not use near flammable gases, paper and other materials.
  - Do not touch heated parts, can cause severe burns.
  - Warn people around work area.
- Thermal Protector
  - If the thermal protector trips, reduce the temperature setting or increase the air flow.
  - Unit is equipped auto shut-off ability when temperature gets too high and automatically turns on when temperature dropped to a safe level.
- Auto-Cooling Function
  - Unit is designed to blow cool air after being turned off. Do not unplug during this cooling process.
- Handle with Care
  - Never drop or sharply jolt the unit.
  - Contains delicate parts that may break if unit is dropped.
- Disconnect plug when not to be used for a long period of time.
  - Turn off power during breaks.
- Use only genuine replacement parts.
  - Turn-off power and let unit cool before replacing parts.
- Do not modify unit

FUNCTION

- Digital display of actual temperature and set temperature.
- Airflow gauge provides visual feedback of air flow.
- Cool down safety feature. Unit blows air at room temperature to remove excess heat from the nozzle. This feature prolongs the usage life of the heating system
- Anti-static design prevents damage of the Circuit Board due to static or electricity leak.
- Nozzle of the gun doesn't need direct contact with the components, therefore, lessening the possibility of moving or overheating surrounding components.
- Wide range of adjustable temperature and air flow.
- Has different kind of nozzles for different purposes. Best suited for repairing QFP, SOP, PLCC and SOJ components.

CONTROL PANEL