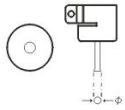


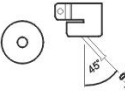
Single Type

Straight Single



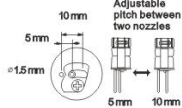
Nozzle Model	Nozzle Size, ϕ (mm)
1124	2.5
1130	4.4
1194	6
1195	8
1196	9
1197	12

Bent Single



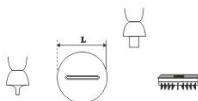
Nozzle Model	1142
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Dual Single Adjustable



Nozzle Model	1325
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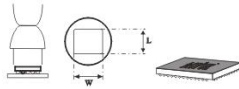
Single In Line Package



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

BGA Packages

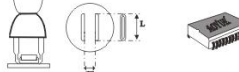
Ball Grid Array



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

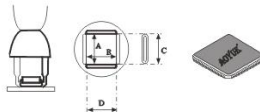
J Lead Components

Small Outline J-Lead



Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		L	W
1153	SOJ 15x8	16	8
1164	SOJ 18x8	19	10
1214	SOJ 10x26	26.9	12

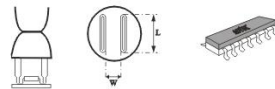
Plastic Leaded Chip Carrier



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

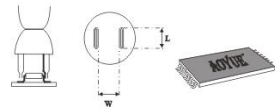
Gull Wing Leaded Components

Small-Outline Package



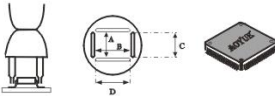
Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		L	W
1131	SOP 4.4x10	10	4.8
1132	SOP 5.6x13	16	5.7
1133	SOP 7.6x15	16	7.2
1134	SOP 7.5x18	19	7.2
1257	SOP 11x21	21	11.7
1258	SOP 7.6x12.7	11.7	8.2
1259	SOP 13x28	29	13.5
1260	SOP 8.6x18	19	8.7

Thin Small-Outline



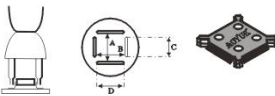
Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		L	W
1155	TSOL 13x10	10	11.9
1167	TSOL 18.5x8	10	18.5
1166	TSOL 18x10	11.7	18.2

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

AOYUE® Int857A⁺⁺ SMD REWORK STATION

INSTRUCTION MANUAL

Thank you for purchasing Int857A⁺⁺ SMD Rework Station.
Please read the manual before using the unit.
Keep manual in accessible place for future reference.

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

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Desoldering

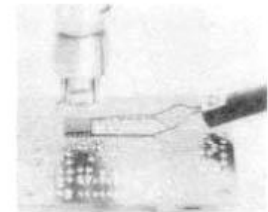
1. Plug the power cord.
2. Turn on the upper right hand switch. Digital readout of current temperature will appear.
3. Adjust *temperature* and *airflow* according to the type of component being reworked.

NOTE: If reworking plastic or larger components, higher temperature and airflow is needed.

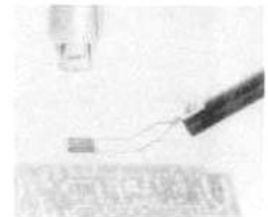
4. When proper adjustment of airflow and temperature has been set, wait a few seconds for the temperature and airflow to stabilize.

5. Maintain a 15mm distance between the component to be reworked and the hot air gun.

6. Move the air gun in a rotating manner focusing around the component.



7. When solder starts to melt and sparkle, check if component can be moved. Use a tweezers or IC popper to detach the component.



OPERATING INSTRUCTIONS

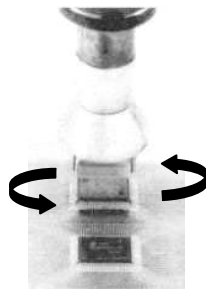
Reworking

1. Plug the power cord.
2. Turn on the upper right hand switch. Digital readout of current temperature will appear.
3. Adjust *temperature* and *airflow* according to the type of component being reworked.

NOTE: If reworking plastic or larger components, higher temperature and airflow is needed.

4. When proper adjustment of airflow and temperature has been set, wait a few seconds for the temperature and airflow to stabilize.
5. Maintain a 15mm distance between the component to be soldered and the hot air gun.
6. Move the air gun in a rotating manner focusing around the component.
7. Wait until the component bonds.

CAUTION! Do not let the air stand in one position for more than one second.



WARNING: When turned ON, temperature of the hot air gun ranges from 100°C - 480°C. Injury might occur if not handled properly.

PACKAGE INCLUSION

Int857A++ Main Station with hot air gun
Hot air gun holder
Air nozzles
G001 IC popper
Product manual
Power cord

PARTS LIST

Part No.	Description
10094	Heating Element
30106S	Hot Air Gun Plastic Handle
S002	Hot Air Gun Complete Handle
20962	Hot Air Gun Metal Pipe
10070	Turbine Motor

NOTE: Use only genuine replacement parts.

SPECIFICATION

Power Input :	available in 110V / 220V
Power Consumption:	500W
Temperature Range:	100°C – 480°C
Heating Element:	Metal Heating Core
Pump/Motor Type:	Turbine Motor
Air Capacity:	20 l /min (max)
Station Dimensions:	132(w) x 121(h) x 192(d) mm
Weight:	2.3Kg

FUNCTION

- CPU controlled.
- Turbine motor generated,
- Best suited for reworking BGA, PCB plastic connectors as well as large surface shield and covers.
- Digital temperature readout for easier manipulation.
- Compatible with different kinds of air nozzles.

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 480°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 to decrease temperature to safe level.
 - Unit is equipped with auto shut-off ability when temperature gets too high and automatically turns on when temperature dropped to a safe level.
- 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