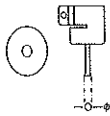


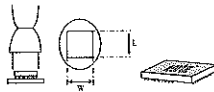
REPLACEMENT AIR NOZZLES

Straight Single



Nozzle Model	Nozzle Size (mm)
1124	2.5
1130	4.4
1104	6
1195	8
1196	7
1197	9
1198	12

Ball Grid Array



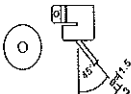
Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		W	L
1010	BGA 9x9	10	10
1313	BGA 12x12	13	13
1616	BGA 15x15	16	16
1919	BGA 18x18	19	19
2828	BGA 27x27	28	28
3636	BGA 35x35	36	36
3939	BGA 38x38	39	39
4141	BGA 40x40	41	41

Small-Outline Package



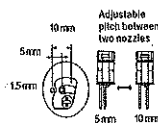
Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		L	W
1131	SCP 4.4x10	10	4.8
1132	SCP 5.6x13	15	5.2
1133	SCP 7.5x15	16	7.2
1134	SCP 7.5x18	19	7.2
1257	SCP 11x21	21	11.7
1258	SCP 16x12.7	11.7	8.2
1259	SCP 1.3x28	29	13.5
1260	SCP 8.6x18	19	8.7

Bent Single



Nozzle Model: 1142

Dual Single Adjustable



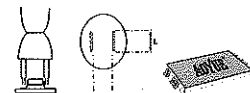
Nozzle Model: 1325

Small Outline J-Lead



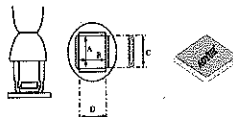
Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		L	W
1193	SOJ 15x8	16	8
1184	SOJ 18x8	19	10
1214	SOJ 10x26	25.9	12

Thin Small-Outline

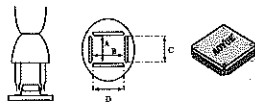


Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)	
		L	W
1185	TSOJ 13x10	10	11.9
1187	TSOJ 18.5x8	10	18.5
1186	TSOJ 18x10	11.7	18.2

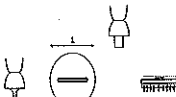
Plastic Leaded Chip Carrier



Quad Flat Pack



Single In Line Package



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

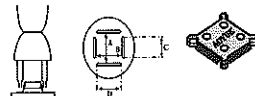
Nozzle Model	IC Package Size (mm)	Nozzle Size (mm)			
		A	B	C	D
1165	PLCC 17.5x17.5 (44pins)	18.5	18.5	16	16
1136	PLCC 20x20 (62pins)	21	21	19	19
1137	PLCC 25x25 (68pins)	26	26	24	24
1138	PLCC 30x30 (84pins)	31	31	29	29
1139	PLCC 73x12.5 (18pins)	9	14	69	69
1140	PLCC 11.5x11.5 (28pins)	13	13	15	10
1141	PLCC 11.5x14 (32pins)	15	13	15	10
1180	PLCC 9x8 (20pins)	11	11	10	10
1189	PLCC 34x34 (100pins)	36.5	36.5	33.5	33.5

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	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

(* Sold Separately)

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

Dumprered Quad Flat Pack



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