

Stadium Asia Major Equipment List

Item	Description	Brand & Model No.	Quantity	Features
1	SMT			
2	Line 1 (Lead-Free)			
3	High Precision SMT Chip Mounter	PANASONIC CM82C-ME - Japan	1	Max. board size 250x330mm. Min. chip size 0402, 18,000 CPH
4	High Precision SMT Chip Mounter with multi-vision recognition system	YAMAHA YV100Xg - Japan	1	Max. board size 460 x 335mm. Min. chip size 0201, 20,000 CPH
5	Hot Air Reflow Oven	Vitronics MR933 - USA	1	9 heating zones, 3 cooling zones. Max. board width 350mm
6	Full Automatic Solder Paste & Red Glue Printing Machine	EKRA X4 - Germany	1	Max. board size 460x460mm
7	Wave Soldering Machine, Lead-Free	KINCE KWA350-SUPER EP	1	Lead-Free, Infrared compensation system
8	Line 2 (Lead-free)			
9	High Precision SMT Chip Mounter with multi-vision recognition system	YAMAHA YV100Xe - Japan	1	Max. board size 460 x 335mm. Min. chip size 0402, 12000 CPH
10	High precision SMT chip mounter	Philips GEM-TOPAZ	1	Max. board size(460*335), Min. chip size 0603, 10000 CPH
11	Hot Air Reflow Oven	KWA-1225 SUPER PRO 8	1	8 heating zones. Max. board width 400mm
12	Full Automatic Solder Paste & Red Glue Silk Print Machine	KINCE KWA-1018L	1	Max. board size (260*400)
13	Wave Soldering Machine, Lead-Free	KINCE KWA350-SUPER EP	1	Lead-Free, Infrared compensation system
14	Line 3			
15	SMT Chip Mounter	Philips Emerald	1	Max. board size(460*335), Min. chip size 0603
16	SMT Chip Mounter	Philips Comet	1	Max. board size(460*335), Min. chip size 0603, 22000CPH
17	DEK printer	DEK-265Lt	1	
18	Wave Soldering Machine	KINCE KWA-1225 6C	1	6 heating zones. Max. board width 350mm
19	Semi Automatic Solder Paste & Red Glue Silk Print Machine	KINCE KWA-1016	1	Max. board size (260*400)
20	Wave Soldering Machine	Man Hong EQ300LII	1	Dual wave soldering
21	Line 4			
22	SMT Chip Mounter	Philips Emerald	1	Max. board size(460*335), Min. chip size 0603
23	SMT Chip Mounter	Philips Comet	1	Max. board size(460*335), Min. chip size 0603, 22000CPH
24	Full Automatic Solder Paste & Red Glue Printing Machine	DEK-265		
25	Wave Soldering Machine	Man Hong DEF300L	1	Dual wave soldering
26	IR Reflow Oven	WAVEPOINT HA-400-MER	1	4 heating zones. Max. board width 350mm
27	Others			
28	BGA Hot Air Rework Station	FONTON 935	1	
29	Temperature Profile Checker for Reflow Ovens	WKH	1	
30	Ionography tester (Ionic contamination tester)	Alpha Metals	1	
31	Thru Hole Assembly			
32	Sequencer Machine	UNIVERSAL 2596 - USA	1	For axial lead components
33	Automatic Component Insertion Machine (VCI)	UNIVERSAL 6295 - USA	2	For axial lead components
34	Handle Components Locator	CONTACT ULTRA CS400E/CS201 - UK	1	
35	Automatic component forming machine	UK	1	
36	PCB de-panelize machine	Cab - MAESTRO 4 (Germany)	1	
37	PCB de-panelize machine	Han Yu 400A	2	
38	Pulse heat pressing machine	Lin Tak LPHM-040RA	1	for attaching flat cable to pcb
39	PCB Assembly			
40	Conductive Floor for ESD Sensitive Process	TAILOR MADE	1	Area: 1000 sq meters
41	Surface Resistance Checker for ESD Facilities	BEIGUANG SSM-202	1	
42	Transformer & Coil Assembly			
43	Circuit & Digital Coil Winding Machines	Jovil, WEIHUANG	49	
44	Toroid Winding Machines	Jovil JV-200/250, German	5	
45	Heat-Bonding Bobbinless Winding Machine	Tanaka AX-1, Japan	1	
46	Coil Winding Machines	MACCHINE WM15	2	
47	Coil Winding Machines	TANAKA AW-9004	2	
48	Coil Winding Machines for sticky wires	UNIVERAL 107 Stick Winder	2	
49	Coil Winding Machines for multi-layers insulation special coil assembly	Universal Winding Co. - model Leeson #107	2	
50	Vacuum Chamber for Epoxy Potting	GOLD STAR	1	
51	Auto-Fill Epoxy /PU Dispensing Machine (A+B type)	FOCUS FT6000GP / Double Bridge 860SA	2	
52	Automatic Dip Varnishing Production Line	WANG TAT	1	
53	Argon Welder	MILLER STARTIG-200	2	
54	Automatic spray coding machine	Domino A100	1	Ink spray printing on transformers / product.
55	Automatic dip soldering machine	Tak Chi DZ-CNC2E	1	Semi-automatic with preset soldering pot temperature and soldering time
56	Single axis coil winding machine	TANAKA AX-3	1	
57	6 heads automatic coil winding machine	TANAKA AW9006	1	Winding capacity 150Kpcs coil assembly per month.
58	4 heads automatic coil winding machine	TANAKA AW8704	1	
59	Cable & Harness Assembly			
60	Automatic Wire Cutting & Crimping Machine	ARTOS CS33 - UK	1	
61	Automatic Wire Crimping Machine	LIEMEN	5	
62	Fully automatic leadwire assembly machine	Komax Gammgn 333	1	Stripping, Cutting, Crimping, Soldering and Grommet Assembly

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Item	Description	Brand & Model No.	Quantity	Features
63	Test & Measurement			
64	In-Circuit Tester Tescon	TESCON, POINT66 - Japan	2	Max. 1080 test pins. In-Circuit Test includes component value, Polarity, Open/Short Test.
65	In-Circuit Tester Smartest	SMARTEST, ST300 - Germany	1	Max. 1024 test pins. Advanced operational test possible including open/short test, polarity test for capacitor and diode, component test, contact test etc. with limited functional test.
66	In-Circuit Tester TRI	TRI, TR518FR - Taiwan	1	Max. 1024 test pins. Advanced operational test possible including open/short test, polarity test for capacitor and diode, component test, contact test etc.
67	Smartscope, Automatic Non-Contact Metrology System	OGP, FLASH 200 - USA	1	3-D image data generation, Measurement position programmable, Max. measurement range 200x200x150mm, Accuracy (X.Y:2.5um.Z: 3.0um), Resolution (0.5um)
68	Numeric Control Digital Profile Projector	KING SCHOLAR CPJ-300	1	Max. measure range(150*50*80mm), Accuracy (X: 4.0 um, Y: 4.0um), Resolution (1 um)
69	EMC Test Facilities	TAILOR MADE TEST ROOM	1	For Electro-Magnetic Conductive Test from 150KHz to 30MHz
70	Digital Oscilloscope	TEKTRONIX TDS1012, TDS200, TDS220 - USA	5	Measurement frequency from 60MHz up to 100MHz
71	Digital Oscilloscope	TEKTRONIX TDS3032B - USA	1	Measurement frequency up to 300MHz
72	Current Amplifier with Current Probe	TEKTRONIX TCPA300 & TCP312 - USA	1	
73	Network Analyzer	Agilent - E5062A	1	up to 3.1GHz RF frequency test
74	Automatic Functional Tester for transformers	Manforce	1	
75	Automatic Functional Tester for Switching Mode Power Adaptor / Chargers	Friends Instrument (FD-8800)	1	Programmable for required test. Full computer / software control input / output measurements
76	Automatic Functional Tester for High Power Range of Switching Mode Power Supply	Friends Instrument (FD-8800B)	1	Programmable for required test. Full computer / software control input / output measurements
77	Burn-in Facilities			
78	High Temperature Oven	SIERRATHERM 1K14-125C69-10A	2	
79	High Temperature Oven	CHIU NGAI CNC-7	1	
80	Burn-in Racks For Chargers / Switching Power Supplies	JING XIN and others	35	
81	High Precision Burn-In Test Chamber	CHIU NGAI	1	Temperature tolerance +/- 0.5 deg C, connect with computer for test result monitoring
82	Quality & Reliability			
83	Salt Fog Corrosion Testing Machine	CHANGZHOU NANGYANG GX-150	1	Test Chamber Temperature up to 55 deg C
84	Environmental Test - Programmable Temperature & Humidity Chamber	CHAOKE WIC-120	1	Temperature range: -20 to -100 deg C / Relative Humidity range: 30 to 99%
85	Wire / Grommet Bending Tester	GUANGONG TEST CENTER DW-2	1	
86	Printing Permanency Tester	ZHINITONG DYJ-2	1	
87	Plastic Hardness Tester Shore A and Standard Load Set	TECLOCK	1	
88	Plastic Hardness Tester Shore D	TECLOCK	1	
89	Vibration Tester For Transport Packages	ALCO 120	1	
90	Temperature Profile Recorder	UR1000	2	Record temperature range from -20 deg C to 1370 deg C
91	Plastic Injection Moulding			
92	Injection machines			
93	Advanced Injection Molding Machines	JSW J150EIII / J280EIII - Japan	2	150 tons & 280 tons clamping force
94	Vertical Injection machine	JSW JT70RIK	1	75 tons clamping force
95	Injection Molding Machines	CHENG SHONG	17	From 88 tons to 368 tons clamping force
96	Vertical Injection Molding Machines	CHUAN CHEN CC-32S(F)	10	
97	Vertical Injection Molding Machines	BOYES	10	
98	Printing Facilities			
99	Silk Screen Printing Machine	HENGHUI S400M	1	
100	PAD Printing Machines	HENGHUI SP-814	6	
101	Clean room for plastic injection		1	space: 325 square meters
102	R&D facilities			
103	bare PCB board sample making machine	Tailor made	1	Single & double layers, max. size: 320mmx320mm, using CAD software Protel
104	Air flow rig (Air Flow Tunnel Tester)	Tailor made	1	To provide an environment with known air-flow and air pressure for measurement
105	Custom Assembly Lines			
106	Water Timers Assembly Line			
107	1 x production line with custom setup & custom test equipment			
108	Inovex Computer Tester	HOZELOCK	1	
109	Vacuum / Leak Tester FC090	HOZELOCK	1	
110	Switch Wipper Tester for Water Timer AC1	HOZELOCK	1	
111	Vision Tester For Water Timer AC2 & AC4	HOZELOCK	1	
112	Ventilation Fans Assembly Line			
113	4 x production lines with custom setup and with TAILOR MADE test equipment			
114	Motor Control Board Assembly Lines For Automotive & Industrial			
115	4 x Production lines with lead-free soldering, custom made production equipment,			
116	Automatic Brush Movement Test Station	TAILOR MADE	5	

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117	Integrated MCU Control Electrical Test Station for drop test etc.	LIAN DE	7	
118	High Temperature Wave Soldering Machine	KINCE KWA300A	1	Lead-free, dual wave soldering
119	High Temperature Wave Soldering Machine	Wang Tat WTB-300	1	Lead-free
120	Terminal Press Machine For Cable Harness	Molex/AMP	6	
121	Precise Spot Welder	PREVAIL PW-C500J7	1	
122	Marine Radio Assembly			
123	2 x Production lines with customer made equipment			
124	Spectrum Analyzer	Anritsu MS2601B, Hameg, Takeda etc. - Japan etc.	6	up to 1.0 GHz
125	Spectrum Analyzer	Advantest - USA	1	up to 3.0 GHz
126	Frequency Counter	Generic	17	up to 2.4GHz
127	Frequency Function Generator / RF Synthesized Signal Generator	HP 8656A/B etc. - USA	31	up to 1.0 GHz
128	Modulation Meters	Marconi TF-2304 etc. - Italy etc.	13	RF input Carrier Frequency Range up to 1.0 GHz
129	Shielding Room for Talk Test / Air Test	TAILOR MADE	3	
130	Advanced Commercial Printer Controller Board Assembly			
131	Automatic Functional Tester	Will-Win	1	Inhouse build, tailor made with full computer / software control input / output measurements
132	Electricity Metering Processor Board Assembly			
133	Automatic Functional Testers	Manforce	6	Full automatic testing, computer / software control input / output measurements
134	Health Care Product			
135	Clean Room for Dust Free process	TAILOR MADE	1	10K class - 650 square meters, for dust free assembly process
136	Acoustic test box	Gols Star - SL-4013	1	
137	Climate test box	Chaoke - WH-120	1	
138	Shrink wrap machine	Alpha packing - AP-1622MKA	2	
139	Packing sealing machine	Alpha packing - APCS-1100	2	
140	Inkjet printer	Domino- A100	1	
141	Inkjet printer	Alpha packing - JET430	2	
142	Ultrasonic welding machine	Nekon	3	40kHz
143	Tooling Shop			
144	Electrical Discharge Machine	TOPEDM	1	
145	Surface Grinding Machine	TATUNG	1	
146	Vertical Turret Milling Machine	MTECH	2	
147	Drilling Machine	SHANGHAI No.5 FACTORY	1	
148	Lathe	COSMOS	1	
149	Vertical Saw Machine	XHENG WOEI S-500	1	
150	Vertical milling machine	Daphin	1	
151	Grinding machine	Daphin	1	
152	Others			
153	Ultrasonic Welding Machine for plastics	BRANSON, SANDEN, FORWARD, HERFURTH	21	Various models for different shapes / dimensions
154	Touch Welding Terminal Machine	BODMER YMAH-51, BALTEC RNE080, ATOLI TC-136	3	
155	High frequency welding machine	Lik Yuen	2	Welding power: 4000 Watts
156	High frequency welding machine	Lik Yuen	1	Welding power: 8000 Watts
157	Shielding Room for RF frequency functional test	SIEMENS	1	External dimension: 355W x 465L x 300H CM, Inside dimension: 180W x 235L x 250H CM
158	Bar code verifier	AXICON brand, model no. PC6015 & PC7015, made in UK	2	
159	Color Reader (Color Variance Checker)	KONICA MINOLTA, model CR-10	1	