



SMT Equipment	Manufacturer	Main Function	QTY	Features & Capabilities
Laser Marking PCB	Nutek	Marking PCB for Traceability	2	Ability to mark and verify 2D label codes, ability to etch human readable text onto the PCB. Traceability marking.
Stackers	Multiple Models	PCB Handler	11	Multiple PCB's automatically sent to SMT machines
Stencil Printing	Dek - Horizon 03i	Solder paste application	7	Fine pitch down to 0.012in 0.3mm pitch, Repeat and self cleaning system.
Stencil Printing	Yamaha - YCP10	Solder paste application	1	Fine pitch down to 0.012in 0.3mm pitch, Repeat and self cleaning system. Handles Large PCB's of L510mmx460mm
SMT Placement	Assembleon - Iflex	Pick and Place Solution	1	T2 is aimed at flexible placements (2 placement robots, placement speeds of 24,000 cph, 128 twin tape feeder positions).
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SMT Placement	Assembleon - Iflex	Pick and Place Solution	1	H1 is for ICs and fine pitch placements (1 placement robot, placement speed of 7,100 cph, max 146 twin tape feeder positions/max 30 tray positions).
SMT Placement	Yamaha - YS24	Pick and Place Solution	4	54,000 CPH, board length L50xW50mm to 1700xW460mm. Will accommodate a wide variety of electronic components, including irregularly shaped components up to 45mm x 45mm and
SMT Placement	Yamaha - YS24X	Pick and Place Solution	4	54,000 CPH, board length L50xW50mm to 1700xW460mm. Will accommodate a wide variety of electronic components, including irregularly shaped components up to 45mm x 45mm and
SMT Placement	Yamaha - YSM20	Pick and Place Solution	2	High-speed universal (HM) mounting headx2, 90,000CPH, accuracy: ±0.035mm (±0.025mm), PCB Max Size: L810 x W490mm.
SMT Placement	Yamaha - YSM20R	Pick and Place Solution	2	High Speed mounting performance 95,000 CPH, Highly flexible heads and efficient changeover operation,
Thermal Convection	BTU International	Solder paste reflow/chip bonder cure	1	10 heat zones, 4 cooling zones, equipped with N2 blanketing & polar cooling
Thermal Convection	Heller	Solder paste reflow/chip bonder cure	1	10 heat zone, 3 cooling zones, Fluxless/formic reflow
Thermal Convection	Vitronics Soltec XPM2	Solder paste reflow/chip bonder cure	1	9 heat zones, 4 cooling zones, equipped with N2 blanketing & polar cooling
Thermal Convection	Vitronics Soltec XPM2+	Solder paste reflow/chip bonder cure	2	10 heat zones, 3 cooling zones, designed to process double sided PCB's
Thermal Convection	Vitronics Soltec XPM3i	Solder paste reflow/chip bonder cure	2	10 heat zones, 3 cooling zones, designed to process double sided PCB's
Stencil Cleaning	Unicomp Technology Co	Pneumatic Stencil Cleaner	1	Complete pneumatic operation without any fire risk, Equipment is ergonomically in designed, Cleaning & drying process is a simple one-button operation
Automated Inspection	Nordson Yestech	Automated Inline optical inspection	4	Inline 5 Megapixel system with 12 micron High Magnification Lens
Automated Inspection	Yamaha - YSI-V	Automated Inline optical inspection	3	3D Hybrid Optical Inspection System, 2 dimensional inspections, 3 dimensional inspections and 4-way oblique imaging inspections.
Through Hole Equipment	Manufacturer	Main Function	QTY	Features & Capabilities
Wave	Kurtz Ersä	Power Flow Ultra _ Wave	1	Full-tunnel nitrogen wave soldering system developed specifically to master the challenges of lead-free production.
Selective Soldering	Kurtz Ersä	Selective Solder Versaflo 3/35	4	Configured soldering machines with the world's leading selective technology
Conformal Coating	Asymtek	Conformal coating of PCB's	1	Consistent uniform dispensing of conformal coating materials
Conformal Curing	Asymtek	In line ultraviolet curing oven	1	Modular configuration with a cooler operating temperature
PCBA Wash	Aquastorm	Speedline Technologies Aqueous Wash	1	appropriately sized modules and strategic manifold placement increase throughput while ensuring thorough removal of contaminants.
Material Handling	Manufacturer	Main Function	QTY	Features & Capabilities
Material Handling	Inovaxe storage system	SMT Reel Storage	4	Reduced SQ FT, detects when reels are added or removed, LED location find, increase speed of kitting.
Material Handling	Raymond	MIT-FGON	1	Forklift
Material Handling	Raymond	RAY-EZ	1	Forklift
Material Handling	Raymond	RAY-OPR	1	Forklift
Test Equipment	Manufacturer	Main Function	QTY	Features & Capabilities
X-Ray	Visi Consult X-Ray Systems Solutions	X-Ray component Counter	2	Contactless SMD-Component Counter
X-Ray	CR TECHNOLOGY CRX - 1000	Real time X-ray imaging	1	BGA, Micro BGA, Semi Conductor X-ray inspection and PCB trace anomalies
X-Ray	CR TECHNOLOGY CRX - 2000	Real time X-ray imaging	1	BGA, Micro BGA, Semi Conductor X-ray inspection and PCB trace anomalies
Optical Inspection	KEYENCE	Optical Comparator	3	Image dimension measurement system
Thermal Profile	KIC	Thermal Profiler for SMT Components	1	Smart oven set up software, Data processing and wireless
Thermal Profile	Slimkic	Thermal Profiler for SMT Components	1	Smart oven set up software, Data processing and wireless
Engineering	Cirris	Cable and Harness Tester	2	High voltage, standalone, benchtop tester
Engineering	BK Precision	Multiple models for use in Testing	10	Test/Measurement Equipment
Engineering	ADAPTIVE	Multiple models for use in Testing	1	Test/Measurement Equipment
Engineering	Agilent	Multiple models for use in Testing	9	Test/Measurement Equipment
Engineering	Extech	Multiple Models for use in Testing	1	Test/Measurement
Engineering	Fluke	Multiple models for use in Testing	4	Test/Measurement
Engineering	Mitutoyo	Multiple models for use in Testing	23	Test/Measurement
Engineering	Multiple Manufacturers	DC Power Supply	13	Test/Measurement
Engineering	Multiple Manufacturers	Digital Multimeter	33	Test/Measurement
Engineering	Multiple Manufacturers	Digital Oscilloscope	4	Test/Measurement
Engineering	Multiple Manufacturers	Digital Scale	2	Test/Measurement
Engineering	Multiple Models	Bascula Digital Cap. Max. 8100g	1	Test/Measurement
Engineering	Tektronix	Multiple Model numbers - Oscilloscope	13	Test/Measurement
EE Technologies	Functional Testing	Availability by Customer Requirements	CC	Test/Measurement - Customer Collaboration