

# Equipment List

Process	#	Manufacturer	Model	Features
Pick & Place	3	ASM Assembly Systems	Siplace TX	High Speed, Double Head, 20 Nozzles
Vitronics Soltec Reflow Oven	1	ITWEAE	CT820	Center board Support, High solder paste reflow
Screen Print	2	DEK	NeoHorizon	Hawkeye Verification System
3D Automated Optical Inspection	1	Mycronic	MYPro I50	High accuracy and production stability with AI-powered interface
Conformal Robot	1	Fisnar	F5300N.2	Dispense Pro Cartesian Robot
3D X-Ray Inspection System	1	Nikon	XT V 160	Identify defects in real-time, 2D and 3D inspection
3D Automated Optical Inspection	1	Omron	VT-S1080	Superior defect detection, Multi-color highlighting feature
X-Ray Component Counter	1	VC Count	XRHCount	X-ray counting and barcode scanning
Wave Solder	1	Seho	PowerWave	Individually configurable preheating area, local nitrogen inerting
Screen Print	1	DEK	Horizon01i	Hawkeye Verification System
Screen Print	1	DEK	Horizon 8	Hawkeye Verification System
3D Solder Paste Inspector	2	Mycronic	PI Primo M SPI	Real-Time 3D Visualization of Solder Paste & Inspection
Pick & Place	1	Mydata	MY12E	Dedicated Prototyping Machine
Pick & Place	1	Mydata	MY12E	Low/Medium Production Line
Pick & Place	1	Mycronic	MY200 SX14	High Volume Conveyorized Line with LED Handling Upgrade Package
Reflow Oven	3	ITWEAE	Soltec XPM3	Nine-Zone Oven
Automated Optical Inspection	3	Nordson	Yestech FX	Multi-Spectrum Angular Inspector
X-Ray Inspection System	1	Glenbrook Technology	JEWEL BOX 90T	5-Axis, 5 Micron X-Ray Source, 2000x Magnification
Component Storage & Tracking	1	Mycronic	SMD TOWER 6150-15	Automated & Climate Controlled Storage System for Reels & Trays
FOLUNGWIN Wave Solder	1	Folungwin	FL-MD450	Automated, Large PCB Width of 450mm
Selective Solder	1	ITWEAE	MySelective 6745	Lead & Lead Free
Smart Component Drying System	1	ECD Smart Dry	SD-10	SMART-Bake Technology Controls MSL to J-STD-033 Specification.
Smart Component Drying System	1	ECD Smart Dry	SD-30	SMART-Bake Technology Controls MSL to J-STD-033 Specification.
Board Wash Solution	1	Aqueous Technologies	Trident ZDO	Wash to 2000 Resistivity
Board Cleanliness Verification System	1	Aqueous Technologies	ZERO-ION G3-24	Military & IPC Approved Cleanliness Tested



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Laser Etcher	1	Epilog	Mini 30 Watt	1200 DPI, CO2 Cooled
SMT Component Counter	2	Toppoint	2000 SMD Component Counter	Double Checks All Component Counts
Thermal Press	1	Sonitek	TS500	Heat-Staking & Heat Swaging Enclosure Solution
Selective Conformal Coating	1	Mycronic	MYC50	Three Valve, Multi-Angle, High Volume
FIFO Conformal Coat Degasser	1	Conveyer Technologies	ESD ATI-1770	FIFO Buffer for conformal coat Degassing
Conformal Coat Oven	1	Nordson	Asymtek	Conformal coat setting oven
SEHO Wave Solder Machine	2	SEHO	PowerWave 3.0-F	Low-consumption flux, individually configurable preheating area and local nitrogen inerting
Fusion 3 Selective Solder	1	Pillarhouse	Fusion 3	Features fluxer, pre-heat, solder. Can handle PCBs up to 381mm x 430mm
Pick and Place Dual Head	2	MYDATA	MY100DX-10	Low/Medium Production Line
Nargon Auto Dry Cabinet	1	Nargon	NMC1436	Cabinet for drying, baking, storing, and testing moisture-sensitive devices (MSDs)
ESPEC Environmental Chamber	1	ESPEC	ECT-2	Environmental chamber providing precise control of climate conditions

