



PRO-ACTIVE ENGINEERING

ELECTRONIC DESIGN AND MANUFACTURING SOLUTIONS

Equipment List

Process	#	Manufacturer	Model	Features
Screen Print	1	DEK	Horizon01i	Hawkeye Verification System
Screen Print	1	DEK	Horizon 8	Hawkeye Verification System
3D Solder Paste Inspector	1	Mycronic	PI Primo M SPI	Real-Time 3D Visualization of Solder Paste & Inspection
Pick & Place	1	Mycronic	MY12E	Dedicated Prototyping Machine
Pick & Place	2	Mycronic	MY12E	Low/Medium Production Line
Pick & Place	1	Mycronic	MY200 SX14	High Volume Conveyorized Line with LED Handling Upgrade Package
Reflow Oven	2	Vitronics	Soltec XPM3	Nine-Zone Oven
Automated Optical Inspection	2	Nordson	Yestech FX	Multi-Spectrum Angular Inspector
X-Ray Inspection System	1	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
Wave Solder	1	Folungwin	FL-MD450	Automated, Large PCB Width of 450mm
Selective Solder	1	Vitronics	Soltec 6745	Lead & Lead Free
Smart Component Drying System	1	SmartDRY	SD-10	SMART-Bake Technology Controls MSL to J-STD-033 Specification.
Smart Component Drying System	1	SmartDRY	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-24	Military & IPC Approved Cleanliness Tested
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	MYC500	Three Valve, Multi-Angle, High Volume
3D Printer	2	Crealty	CR-10S & CR10S4	Rapid-Prototyping, +/-0.1mm, PLA, ABS