



Frederick, MD Equipment List

SMT

- MyData SMT Pick and Place Equipment: MY9E+, MY12E+ and MY15E+
- Speedline MPM Momentum Screen Printers
- Virtronics Soltec XPM3 10-Zone Reflows
- Smartsonic Stencil Cleaner

Inspection

- YesTech YTV-2000 Automated Optical Inspection (AOI)
- YesTech BX Automated Optical Inspection (AOI) w/ 4 side angle camera
- YesTech YTX-3000-130 High Resolution X-Ray
- Koh Young 3D Solder Paste Inspection
- Zenith 3D Automated Optical Inspection

Through Hole

- Vitronics Soltec Delta Wave

Conformal Coating

- Nordson Asymtek 940E

Test

- SPEA 4060 Flying Probe In-Circuit PCBA Tester
- Tenney T10C
- Tenney T20C
- 86142A Spectrum Analyzers
- Firebird 4000 Test Sets
- Firebird 13599 Test Sets
- Hi-Pot Testers
- Tektronix O Scopes plus Current Probes
- Agilent E4421B Signal Generators
- HP 86142A Spectrum Analyzers RF Chamber
- Agilent 8753ES (Vector Network Analyzer)
- Agilent 8960 (Wireless Communications Test Set)
- Various Network Analyzers
- 2/20 Meter Immersion Leak Test

Rework Stations

- Airvac DRS-25 BGA Rework
- ERSA HR100A Hybrid Rework
- Airvac PCBRM 12 Pb Selective Soldering
- Hakko 485 Pb Free Selective Soldering

PCB Cleaning

- Technical Devices Nu-Clean 824 XLR
- Speedline Electrovert Aquastorm 200
- Aqueous Zero Ion Cleanliness Tester

Label Creation

- Bartender Professional Software
- Brady Labelmark Software
- Zebra 105 Printers
- Zebra ZM400 Printers
- Zebra S4M Printers

Material Control

- Optical Control SMD X-Ray Counting



Nashville, NC Equipment List

SMT

- Juki SMT 2055 SMT Chip Shooter Placement System (2)
- Juki 2060 Flex Mounted Placement System
- Juki G-Titan Automated Stencil Printer
- Heller 1809EXL Reflow Oven
- Ultrasonic Stencil Cleaner – Aqueous AQ210SC
- SMT Mole – Xpert Super mole
- BGA Rework Station PACE IR3000 and Sodr Tek ST325

Inspection

- YesTech YTV-F1S Automated Optical Inspection
- CR Technologies CRX 2000 X-Ray

Through Hole

- Electrovert Vectra Elite Dual Wave Soldering System
- USI Optima 1 Spray Fluxer
- Universal 6241D VCD Insertion System w/ 60 Station Sequencer
- Electrovert Aquastorm AQ100 In-line Aqueous Cleaner
- Zero Ion Aqueous Cleanliness Tester
- Selective Soldering (Hakko 485) – (2) Pb and Pb Free
- Hepco Radial and Axial lead formers

Test- InCircuit

- HP SMT 3070 In-Circuit Test System
- Teradyne TS124 In-Circuit Test System
- Flash programmer – PM3 MPLAB Microchip Programmer

Test – Analog and RF

- Power supplies Elgar / Sornsen DC AT8000A
- Power supplies ELGAR AC 510SX
- National Instrument VXI (Various)
- Optical Power Meters Thorlabs PM20
- Function Generator Metex MXG9810A
- Scope Meter Fluke 196C (5)
- AC Hipot AEMC H111 (4)
- Hipot Tester QuadTech Sentry Plus 20
- Multiple DC power supplies Mastech/Agilent
- LCR Meter Agilent 4263B
- Huntron Tracker 2700

Test – Environmental

- Submersible test tank (10 ft depth)
- Tenney Oven

Cabling

- Komax Gamma 333 PC Wire Processing System
- Komax Kappa 225 Wire **Cut/Strip System**
- **Komax 206 Wire Measure & Cut Machine**
- **Komax Mira 230 Wire Processor**
- **Amp Terminating Presses K2 series**
- **Cirris C110-R2 Signature 1100+ R Wire Analyzer**