



## Frederick, MD Equipment List

### SMT

- MyData SMT Pick and Place Equipment:
  - Line 1 – Mycronic MY300 DX (Qty. 2)
  - Line 2 – MYDATA MY9E+, MY12E+
  - Line 3 – MYDATA MY15E+
- Speedline MPM Momentum Screen Printers:
  - Line 1 - MPM Momentum (HiE with Camelot feature)
  - Line 2 - MPM Momentum
  - Line 3 - MPM Momentum
- Virtronics Soltec 10-Zone Reflows
  - Line 1 – Centurion
  - Line 2 – XPM3
  - Line 3 – XPM3
- Smartsonic Stencil Cleaner

### Inspection/Verification

- YesTech BX Automated Optical Inspection (AOI) w/4 side angle camera
- YesTech YTX-3000-130 High Resolution X-Ray
- Koh Young KY8030-3 (3D) Solder Paste Inspection
- Koh Young Zenith (3D) Automated Optical Inspection

### Through Hole

- Vitronics Soltec Delta Wave Solder
- Ersas VersaFlow 3/45 Selective Solder

### 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 Oscilloscopes with 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

### Rework/Repair Stations

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

### PCB Cleaning/Verification

- Technical Devices Nu-Clean 824 XLR
- Aqueous Zero Ion Cleanliness Tester

### Label/Traceability Creation

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

### Material Control/Verification

- Nordson Assure Optical Control OC-SCAN®CCX.3 SMD X-Ray Counting
- Dr. Storage X2M-157 Dehumidification Cabinet

### Cabling/Wire Processing/Verification

- Cirris Easy-Touch Pro w/HiPot
- Komax GAMMA 255
- Eubanks 4900-01N w/ 6815-05B Pre-feeder
- Komax Type 21
- CAB Squix 4/300M Label Printer
- Komax MIRA 340
- Komax MIRA 440 SF
- Mark-10 WT3-201M



## Nashville, NC Equipment List

### SMT

- Juki G-Titan Automated Stencil Printer
- Speedline MPM Momentum Stencil Printer
- Juki SMT 2055 SMT Chip Shooter Placement System (2)
- Juki 2060 Flex Mounted Placement System
- Juki FX-3L High Speed Modular System
- Juki KE-3020L High Speed Flex Mounter
- Heller 1913 MK III Reflow Oven
- Heller 1809EXL Reflow Oven
- Nordson Dage Assure X-Ray Parts Counter
- SMT Mole – Xpert Super Mole
- BGA Rework Station PACE IR3000 and Solder TEK T325
- Air-Vac PCBRM15 Selective Soldering Module
- Control Micro System Laser Etcher
- Cencorp PCB Router

### Inspection

- Koh Young KY8030-3 Solder Paste Inspection (2)
- Koh Young Zenith Alpha 3D Automated Optical Inspection System
- Yestech YTV-F1S Automated Optical Inspection
- Yestech YTX-3000 X-Ray machine
- CR Technologies CRX 2000 X-Ray machine
- Tagarno FHD ZIP Digital Microscopes

### 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
- Air-Vac PCBRM15 Selective Soldering Module
- Selective Soldering (Hakko 485) – (2) Pb and Pb Free
- Hepco Radial and Axial lead formers

### Test – In-Circuit

- 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

### Conformal Coating

- Nordson Asymtek 940E