

EQUIPMENT LIST

Equipment for Printed Circuit Board Assembly (SMT & BGA)

SMT / BGA Placement Equipment

- CKD VP5000 Solder Paste Inspection
- Panasonic PCB Loader
- Panasonic Pick N Place CM602-L (4 Heads)
- Panasonic Pick N Place CM-402 (4 Heads)
- Panasonic Pick N Place CM602-L (4 Heads)
- Quad - QSV - 1 SMT & BGA Capabilities
- Quad Meridian Series - 1030 Chip Shooter
- (2) Yes-Tech F1AOI / 5 Camera System
- Mirae MPS-1025P Pick and Place Machine (1 Head)
- Camelot In-Line Automated Glue Dispenser
- SMT Tape and Reel Machine QMT-1500
- Omron VT-RNS Automated Optical Inspection
- OGP, Incoming Optical Inspection System

SMT / Screen Printers

- DEK Horizon O3i Screen Printer
- DEK ELA .01 Screen Printer
- EKRA E1 Screener
- DEK

SMT / Reflow Ovens

- (2) Vitronics Soltec XPM2 - Lead Free compatible 8 Zone
- Vitronics Soltec XPMI3 -
- OKI, BGA 3000 (BGA-3500 Series. BGA & Final Pitch Rework Station)
- Vitronics Soltec XM2 – Lead Free Compatible 5 Zone
- Champion 3000 Automatic Dispensing System / with Automatic Vision
- Smart Sonic Cleaner, Model 500 (Stencil Cleaner)

Equipment for Printed Circuit Board Assembly (Thru-Hole)

- Universal dip multimode 11-1
- Amistar - Model A1-6448 - axial inserter
- Maestro 4M Cap (PC Board Shear)
- Vision Technology - Hi Power Video Magnification System
- Universal 2596 Sequenced Machine
- Universal 6287 Axial Inserter
- PEM Inserter
- (3) Contact System - Ultra Clinch CS-400E
- (3) GPD Lead Forming Machines



EQUIPMENT LIST (continued)

- (6) Hepco Table Top Lead Forming Machines
- (3) Manix Table Top Lead Cutting Machines
- Microscan AT100 Axil Lead Tape and Reel Machine
- 9700 Zierick Female and Male Tab Inserter
- Tyco Compu-Serter Male Tab Inserter

Equipment for Printed Circuit Board Assembly (Thru-Hole)

- Vitronics - Delta Wave Soldering System (2-Leaded, 1- Lead-Free)
- Air Vac Mini Wave Solder Machine
- Air Vac Mini Wave Solder Machine Lead-Free
- ACE Selective Solder Machine (1-Leaded, 1- Lead-Free)
- Stoelting Inline Water Washer System
- Q2G Lead Trimming Machine
- Zero-Ion Ionic Contamination Tester
- Wassco- Model 105-C2 – Resistance Soldering Machine
- (2) Nordson - Asymtek, Model C-740 Automatic Conformal Coating Machine
- Devilbiss - Spray Booth

Test Equipment

- Agilent Technologies – 4 Module In-Circuit System – Medalist i 3070
- Takaya Corporation - APT 9401 Flying Probe In-Circuit Tester
- DAGEXL6500 X-Ray System
- Sincmasters 750 - Cable Scan
- Christopher NSpec - 18
- Christopher Marantz NSpec C1-18
- B/K - Model 4017 - Function Generator
- Global Specialties - Model 105-4001 - Pulse Generator
- Hipotronics - Model CN0725 - Hi Pot
- Leader - Model 3060D - O'Scope
- Tektronics - Model CDC250 - Freq. Counter
- Tektronics - Model TSS340 - Scope
- Thermotron Thermal Chamber
- Mantis Vision System Scopes & Magnifiers
- Rapid Therm - Model RTGC - 7.5-6 w/c Refrigeration / Heating System
- Agilent Technologies E5061A, 300KHZ-1.5GHZ Network Analyzer, and Agilent E5071A 90KHz – 4.5GHZ Network Analyzer
- Agilent Technologies N8973A, 10MHZ-3GHZ Noise Figure Analyzer
- Agilent Technologies E5071C, 9KHZ-4.56HZ Network Analyzer
- Supervision 70X Scope/ Camera
- HP3325B Synthesizer/ Function Generator
- HP 214B Pulse Generator
- Microchip MPLAB PM3 Device Programmer



EQUIPMENT LIST (continued)

- (2) -1693 RLC Digibridge
- BP Microsystems 1610 Universal Device Programmer

Cable and Harness Assembly Equipment

- HiRose - Model CM-105 Crimping Machine, with AP105 Applicator
- Ametek - Model ML3353 - Pneumatic 500# Pull Tester
- (2) AMP Stripper Crimper Machines
- (2) Amp G Press
- Amp K Press
- Amp - Model 91085-2 - Flat Cable Press
- Carpenter - Model 49C - Pneumatic Flat Wire Stripper
- Cirris - Signature 1000M - Cable Tester
- Eubanks - Model 460 - Flat Wire Cutter
- Komax 34 Wire / Cutter Stripper
- Eubanks - Model 67200-03 Hot Stamp Machine
- FCI Semi Automated Termination Machine
- (2) Major - Model 5001 - Wire Strip Machine
- Reel-o-Matic Wire Dereeler
- Robinson Nugent - Model CT-20
- Del JS8300 - Jacket Strip Machine
- Sonitek - Model TS1011/1 - Thermal Press
- Vision Technology - Hi Power Video Magnification System
- Schleuniger - Coax Strip 5400
- Schleuniger - Moni Strip 9400 - Wire & Cable Cutting Machine
- Schleuniger - Pre Feeder 2200
- Schleuniger - Eco Strip 9300 - Wire Cut & Strip Machine
- KM - DigiTech (KM-104) Automated Terminating Machine
- Komax Automated Wire Processing Machine
- (2) (JDV) Backplane Wire Wrap Machines
- Schleuniger IS 8300 Wire & Cable Cutting/ Stripping
- Molex Semi Automated Termination Machine