

# Equipment List

## Surface Mount Equipment

- 6 Panasonic MBSF automatic board loaders
- 6 MPM Momentum automatic screen printers
- 1 DEK 265LT screen printer with 2D vision inspection off-line
- 4 Panasonic (XL) HDPV adhesive dispensing systems
- 1 Panasonic (XL) HDPG 1 adhesive dispensing system
- 1 Panasonic (XL) HDF adhesive dispensing system
- 2 Panasonic MSR (XL) 75 x 75 high speed chip shooters
- 4 Panasonic MVIIF (XL) 75 x 75 high speed chip shooters
- 4 Panasonic MPAV (XL) flexible placement systems
- 2 Panasonic MPAV2B (XL) flexible placement systems
- 6 Conceptronics HVN Series 24" wide convection reflow ovens
- 1 Electrovert Aquastorm 200 24" semi-aqueous cleaning system
- 1 Phoenix Inspector real-time 2D X-ray system
- 1 Air-Vac DRS22 with split image microscope rework station
- 1 CyberOptics Model LSM 3D inspection system

## Printed Circuit Board Assembly Equipment

- 2 40' Simplimatic conveyerized assembly systems
- 2 GPD C.F8 axial lead component formers and trimmers
- 1 GPD C.F9 radial lead component former and trimmer
- 1 UMG Technology VCD-H high speed axial inserter
- 1 Dynapert UCSM-G axial taping sequencer
- 1 Dynapert DD4500 DIP Inserter
- 1 Gold Wave GW-10 Solder pot
- 2 Electrovert 24" Ultrapak 600M wave solder machines Lead/Lead-Free
- 1 Pneumatic AMP press SM-3
- 1 ACE KISS 104 automated selective solder machine Lead/Lead-Free
- 1 Electrovert Aquastorm 200 20" semi-aqueous cleaning system
- 1 Electrovert Aquapak H400 20" aqueous cleaning system
- 2 Q Corp. lead trimming machines
- 1 Pace 2700TF BGA rework station
- 2 Air-vac rework stations Lead/Lead-Free
- 1 PVA 2000 automated conformal coating system
- 2 Conformal coating spray booths
- 2 Despatch ovens
- 50 Nikon Microscopes
- 1 Cencorp TR1000 router/depaneler
- 1 CAB Maestro 4M depaneler
- 1 Stegtrenner Hekter 1 depaneler
- 1 Creative Automation ADM-2200 dispensing system
- 1 Creative Automation 7150 dispensing system
- 2 Dymax 200 and 400-Watt UV curing systems

## Quality Control Equipment

- 7 Automated Optical Inspection (AOI) Stations Agilent sj5000
- 1 Super Scope 2000
- 1 Omegameter 600 SMD ionic contamination tester
- 2 Chatillon force measurement/pull testers
- 1 Mitutoyo Digimatic height gage w/granite surface plate
- 1 Mountz TorqueLab Analyzer
- 1 HIOS HP-10 Digital Torque Meter
- 2 Wayne Kerr meters 4235 and 4237

## Manufacturing/Purchasing Computer System

- Altron uses an integrated state-of-the-art MRP II system
- Bar code scanners are used to track customer orders

## Cable and Harness Processing Equipment

- 2 Eubanks Model 2700 cutters and strippers
- 2 Eubanks automatic wire and tubing cutters
- 1 Cable Eye Model M3 resistance and continuity tester
- 1 Panduit automatic tie wrap machine

Assortment of equipment for processing different types of cables such as ribbon, coaxial and flat cables.

## Test Equipment

- 2 HP/Agilent Model 3073 Series III In-Circuit Tester w/testjet & advanced boundary scan
- 1 Teradyne/GenRad Model 2286 In-Circuit Tester w/opens express & boundary scan
- 1 Walk-in elevated temperature chamber
- 1 Tenney Model T64C-6 temperature chamber fast ramp
- 1 Tenney Model T30C temperature chamber
- 1 Espec Model ESZ-4CA temperature chamber fast ramp
- 1 Tektronic Digital Storage Scope Model 2230
- 1 Tektronic Digital Storage Scope Model 2221A
- 1 Hewlett-Packard 54610 B 500 MHZ Digital Storage Scope
- 1 Hewlett-Packard 1650A Logic Analyzer
- 1 BP-2510 concurrent programming system
- 1 Fluke Ti50FT Flex Cam Thermal Imager

Altron has an assortment of HP and Tektronix oscilloscopes with a wide range of programmable power supplies, frequency counters and function generators.



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