

## EQUIPMENT LIST

### SMT/POST SMT EQUIPMENT

<b>DEK (1)</b>	Horizon 03i with solder paste inspection
<b>MPM (2)</b>	AP25 HI-E Printer with 2D Paste Inspection
<b>CYBER-OPTICS</b>	LSM Laser measurement system for Solder Paste height
<b>CYBER-OPTICS</b>	Sentry 2000 Laser measurement system for Solder Paste height
<b>SIEMENS</b>	80S20, 80S25, F5HM with FC Capability High Speed Production Line w/Flip Chip Capability
<b>JUKI (1)</b>	Model 750, Model 760 Pick and Place with MTC Tray Feeder and Vision
<b>HELLER (2)</b>	Model 1800EXL 8-Zone Forced air Convection Reflow / Glue Cure
<b>CONCEPTRONIC (1)</b>	Model HVN102 7-Zone Forced Convection Reflow Oven with Nitrogen Capability
<b>ELECTROVERT</b>	Ultra Pack 600M Dual Wave Solder with Hot Air De-Bridge Systems & Spray Fluxer
Dover Soltec	Delta Wave, Three Zone pre heat wave with Spray Fluxer.
Mancorp	MT300 2 Zone pre heat wave
<b>WORLD EQUIPMENT CORP</b>	Dual Pot (1 Tin-Lead, 1 Lead Free) Wave Solder with Spray Fluxer
<b>TECHNICAL DEVICES</b>	SMT 324 Aqueous Washer
<b>ALPHAMETALS</b>	Model 500M MSDII Ionograph
<b>FINE TECH</b>	Closed loop-Controlled Hot Air Rework Placement Systems with Vision for Flip Chips
<b>JUKI</b>	FX1R Chip Shooter (2), KE-2060RE with FC Capability High Speed Production Line w/Flip Chip and 01005-placement capability
Conformal Coating	(1) PVA 1000 Sprayer unit, (2) Geek Sprayer Units, (1) Heated Drying Cabinet.
Automated Wash	Nu Clean Polly 7 zone board cleaner. Branson BCS Stencilsonic stencil cleaner.

### TEST EQUIPMENT

<b>HEWLETT PACKARD (2)</b>	H/P 3070 Series III In-Circuit Tester
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### INSPECTION

<b>VISION ENG. (34)</b>	MANTIS Dynascopes
<b>CR TECHNOLOGY</b>	CRX-2000 Real Time X-Ray Imaging Systems
<b>CR TECHNOLOGY(2)</b>	RTI 6500 PCB Vision Inspection System
<b>OMRON</b>	RNS-pt Automated Optical Inspection
<b>MEIJI (3)</b>	Model EMZ Stereo Microscope for X40 Visual Inspection with Video
<b>BROWN &amp; SHARP</b>	Coordinate Measuring System
<b>NIKON</b>	Model EMZ Stereo Microscope for X10 Visual Inspection
<b>SONY</b>	Model CMAD2 Color Video Printer
<b>SONY CALTEX SCIENTIFIC</b>	Model Hirox 3D Digital-Video Inspection Microscope for viewing under BGAs

### Prototype/Rework

<b>AIR VAC</b>	DRS22MZS-PC Closed loop-Controlled Hot Air Rework Placement Systems with Vision
<b>OK INDUSTRIES (2)</b>	Model SMT-8000 Surface Mount Placement/Dispensing Machine
<b>AIR VAC</b>	Model PCBRM-12 Mini-Wave Solder System
<b>ZEPHYTRONICS</b>	Air Rework Station
<b>HAKKO</b>	Model 850 SMT Hot Air Rework Station

### Burn in / ESS:

## **EQUIPMENT LIST**

**RANSCO**

**TENNEY**

**THERMOTRON**

**THERMOTRON**

Model 7107-1EX Hi/Low Temperature Cycling

Model CC27 Hi/Low Temperature Cycling

Model F-32 Hi/Low Temperature Auto Cycle

Model F-64 Hi/Low Temperature Auto Cycle

## EQUIPMENT LIST

**Misc.**  
**INTERMEC**  
**EPC**  
**DATA I/O**

Model 3240 Bar Code /Label Printer  
Model ML-20 Label/Bar Code Printer  
Model 2900 and 29-B Firmware Programmer