

## EQUIPMENT LIST

### ASSEMBLY EQUIPMENT

ELITE (1)	Model E-4500 Screen and Stencil Printer – Screens up to 20"x20" print area
ELITE (1)	Model 5920 auto-Squeegee Solder Paste Printer
MPM (2)	Model SPM computer-Controlled Screen Printer with vision.
MPM (3)	AP25 HI-E Printer with 2D Paste Inspection
CYBER-OPTICS	LSM Laser measurement system for Solder Paste height
CYBER-OPTICS	Sentry 2000 Laser measurement system for Solder Paste height
CAMALOT	System 5000 Glue Dot Dispenser
SIEMENS	80S20, 80S25, F5HM with FC Capability High Speed Production Line w/Flip Chip
Capability	
ZEVATECH (1)	Model 760 Pick and Place with MTC Tray Feeder and Vision
ZEVATECH (1)	Model 750 Pick and Place
ZEVATECH (3)	Model FS730L Auto Pick and Place
ZEVATECH (2)	Model FM740L Auto Pick and Place with MTC Tray Feeder and .015 fine-pitch vision
HELLER (1)	Model 1500 5-Zone Forced air Convection Reflow / Glue Cure
HELLER (2)	Model 1800EXL 8-Zone Forced air Convection Reflow / Glue Cure
CONCEPTRONIC (2)	Model HVN102 7-Zone Forced Convection Reflow Oven with Nitrogen Capability
ELECTROVERT	Ultra Pack 600M Dual Wave Solder with Hot Air De-Bridge Systems & Spray Fluxer
SENSBEY	Model L3-500DE Wave Solder Machine with Dancer Wave
TECHNICAL DEVICES	SMT 324 Aqueous Washer
ALPHAMETALS	Model 500M MSDII Ionograph
FINE TECH	Closed loop-Controlled Hot Air Rework Placement Systems with Vision for Flip Chips

### TEST EQUIPMENT

HEWLETT PACKARD (2)	H/P 3070 Series III In-Circuit Tester
TAKAYA	APT-8400CE Flying Probe

### INSPECTION

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

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### Prototype/Rework

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

### Burn in / ESS:

BLUE M	Model 1004-64F-1 Hi/Low Temperature Auto Cycle
RANSCO	Model 7107-1EX Hi/Low Temperature Cycling
TENNEY	Model CC27 Hi/Low Temperature Cycling
THERMOTRON	Model F-32 Hi/Low Temperature Auto Cycle
THERMOTRON	Model F-64 Hi/Low Temperature Auto Cycle

### Misc.

INTERMEC	Model 3240 Bar Code /Label Printer
EPC	Model ML-20 Label/Bar Code Printer
DATA I/O	Model 2900 and 29-B Firmware Programmer