

## **Surface Mount Assembly**

- Line 1
  - MPM Semi-Auto Stencil Printer
  - Juki KS-1700 Stencil Printer
  - Juki KE-750E Flexible Mounter
  - Juki 2020E Flexible Mounter
  - Juki TR-6D Matrix Tray Changer
  - Heller 1800 Convection Reflow Oven
- Line 2
  - MPM 1500 Stencil Printer
  - Juki 750L Flexible Mounter
  - Juki 760L Flexible Mounter
  - Juki TR-3D Matrix Tray Changer
  - Heller 1809 Convection Reflow Oven
- Line 3
  - Dek ELA Stencil Printer
  - Juki FX1-R Chip Shooter
  - Juki KE-2050 Flexible Mounter
  - Juki KE-2060 Flexible Mounter
  - Juki TR-3D Matrix Tray Changer
  - Heller 1809 Convection Reflow Oven
- Line 4
  - DEK Horizon O3i Stencil Printer
  - Juki FX1-R Chip Shooter
  - Juki KE-2050 Flexible Mounter
  - Juki KE-2060 Flexible Mounter
  - Juki TR-4D Matrix Tray Changer
  - Heller 1809 Convection Reflow Oven
- Line 5
  - DEK Horizon O3i Stencil Printer
  - Juki FX1-R Chip Shooter
  - Juki KE-2050 Flexible Mounter
  - Juki KE-2060 Flexible Mounter
  - Juki TR-4D Matrix Tray Changer
  - Heller 1809 Convection Reflow Oven
- Support
  - KIC Thermal KIC2000 Oven Temperature Profiler

## **Automated Through-Hole Insertion**

- Universal 6360B – Radial Insertion

## **Wave Soldering**

- Electrovert Vectra ES Wave Solder

## **Selective Soldering**

- Juki 400L-DP Lead/ Lead Free

## **Conformal Coating / Dispensing**

- Precision Valve & Automation PVA2300 4-Axis UV Conformal Coat Dispensing
- Precision Valve & Automation PVA2300 4-Axis UV Conformal Coat Dispensing
- Precision Valve & Automation PVA2300 3-Axis Silicone Potting
- DDU C2020 UV Curing / Fusion F300-18 Fusion UV Curing Tunnel

## **Washing Systems**

- Austin American FC Mach III – Inline Aqueous Wash
- Washer Aqueous Technologies Trident III – Batch Chemistry Wash
- Aqueous Technologies Stencil Washer – Ultrasonic Stencil Cleaning System

## **Testing**

- SPEA 4040- Flying Probe Tester
- Teradyne 1880 In-Circuit Testing - Data I/O Sprint Dual Head Chip Programmer
- Agilent E4404B - Spectrum Analyzers
- Agilent 3220A - Signal Generators
- Agilent 34401A - Multimeters
- Agilent E4400B - RF Generators (1 gig)
- AR 3605 High-pot testers
- Tektronix TDS3734B
- Tektronix TDS2022
- Huntron 20 – Parametric Testing; Full Test Development
- Hakko 485 Mini Wave Leaded Rework Station
- Hakko 485 Mini Wave Lead-Free Rework Station
- Ling Systems V850 Vibration Testing System
- Test Equity Temperature Tester/ Environmental Chamber

## **Inspection and Repair**

- YESTech YTV-2050 Automated Optical Inspection
- YESTech YTV-2050 Automated Optical Inspection
- YESTech YTV-F1 Automated Optical Inspection
- YESTech YTV-F1 Automated Optical Inspection
- YESTech YTV-F1 Automated Optical Inspection
- Rework – Teradyne Summit 750 Rework Station
- Rework – Metcal QX2 Rework Station
- X-Ray – Photon Dynamics H/100
- Paste Inspection – CyberOptics 2000u Solder Paste Inspection Machine
- Paste Inspection – Cyberoptics Ultra SE 300 Solder Paste Inspection

## **Electronic Management Systems**

- xERP, Inc. – Fully Integrated ERP/MRP II
- Downstream Technologies – CAM350-100
- Aegis
  - CircuitCam
  - CheckPoint
- Valor – CAM/DFM software

## **Moisture Management**

- Despatch LCC Moisture Removal Oven

## **Failure Analysis**

- Nicolet FTIR
- Fischerscope XDAL - XRF Analysis Machine
- Mitutoyo CMM BHN706 – Coordinate Measure Machine with 48” X 48” work area
- LECO VC50 - 5” Diamond Microsection Saw
- LECO SS1000 - 2 Stage Microsection Polisher
- Olympus SZX16 - 60X-1250X Optical and 500X Digital Magnification with Measurement Software
- Custom Olympus / Prior Optical Measurement Device
- Misc Measurement Tools (Pin Gauges, 48” Granite Slab, Drop Gauges, Depth Gauges, micrometers, calipers, etc)