



# WINDSOR TECHNOLOGY

## FACILITIES LIST



### SURFACE MOUNT TECHNOLOGY AREA

- **Line (1)**
  - DEK Horizon 03i Screen Printer w/2-d Inspection
  - Samsung SM421 Advanced Flexible Mounter w/Tray Tower
  - Samsung SM471 Flexible High Speed Chip Shooter
  - Heller 1800 EXL Reflow Oven
- **Line (2)**
  - DEK Horizon 03i Screen Printer w/2-d Inspection
  - Samsung SM421 Advanced Flexible Mounter
  - Heller 1809 MKiii Reflow Oven
- **Line (3)**
  - DEK Model 03ix Screen Printer w/2-d Inspection
  - Samsung SM421 Advanced Flexible Mounter w/Tray Tower
  - Samsung SM481 Advanced High Speed Flexible Mounter
  - Heller 1826 MK5 Reflow-oven
- YES TECH YTV-BX Automated Optical Inspetion (AOI)
- YES TECH YTV-B3 Automated Optical Inspection (AOI)
- CyberOptics LSM solder paste inspection station
- Fancourt Depanelization Machine(s)
- AmScope Stereo Microscopes w/Fiber Optic Ring light
- B & L Stereo Zoom Scopes w/Fiber Optic Light
- Metcal APR-5000 BGA Rework station
- Metcal Soldering Stations
- Hakko Hot air reflow stations
- Data-Paq Solder Reflow Profiling System

### HARNES & CABLE AREA

- Artos Wire Cutter
- Komax Model 33 Wire Cutter/Stripper
- Dynalab Cable Tester
- Ideal Wire Stripper-Bench Mount
- (1) Hirose Terminating Press
- (2) AMP Terminating Presses
- (2) Molex Terminating Presses
- Autosplice Machine Model SAS-2
- (2) High Speed Bench Top Strippers
- Drake Arbor Presses
- Hot Mold Gun
- EFD Pneumatic Epoxy Dispensing System
- Branson Ultra Sonic Welder
- Jergens Electrical Power Drivers

### THRU-HOLE TECHNOLOGY AREA

- ACE Production Tech.- K.I.S.S-102 Selective Solder
- Universal Instrument Axial VCD Inserter
- Universal Instrument 60 Station Axial Sequencer
- Universal Instruments Radial Lead II Inserter
- Electrovert Electra Wave Soldering System w/ Spray & Foam fluxer
- Treiber Aqueous Board Cleaning System
- US Filter R.O. Water Purity System
- (2) Stimpson Eyeletters
- Pace and Hakko Desoldering Stations
- Metcal Temperature Controlled Soldering Stations
- Automated Axial, Radial, and Transistor component prepping equipment

### RoHS (Lead-Free) TECHNOLOGY AREA

- Titan Lead-Free Wave Soldering System w/spray fluxer
- Air-Vac PCB RM12 Solder Fountain
- Metcal Soldering Stations
- A-Line Vacuum Component Sealer

### SOFTWARE DUPLICATION AREA

- MPLAB PM3 Programmer
- XelTek Super Pro 3000U Programmer
- (3) Promate II Device Programmer
- Gangpro 8-Eprom Programmers
- Advantech Lab-Tool-48 Intelligent Universal Programmer
- Advance Tech Programmer Model PGM40G
- Stag PLD Programmer
- Stag Eclipse Programmer
- Stag Prom Programmers Model PP40
- Stag Programmer Model P803
- Logical Device Eprom Eraser

## QUALITY ASSURANCE/INSPECTION AREA

- YES TECH YTV-BX Automated Optical Inspection (AOI)
- YES TECH YTV-B3 Automated Optical Inspection (AOI)
- AmScope Video Inspection System
- (3) Environmental Chambers
- MDA Factron 4400Z
- (14) - Tektronix Oscilloscopes
- (3) - Fluke DVM's
- (4) - Universal Counter/Timer
- HP 214A Pulse Generator
- (4) - Assoc. Research Hipot Testers
- (11) - Multi-meters
- (23) - Variable output Power Supplies
- (3) - Continuity Testers
- Optical Gaging Optical Comparator
- Dynascan 830 Capacitance Meter
- (2) - HP 1630 Logic Analyzer
- Orion Instruments Unilab II In-Circuit Emulator 320C25
- (2) - Huntron Tracker 2000
- Burn-In Oven EJS Model PBS2-16
- Everett Charles Kryterion Model 400
- HP1610A State Analyzer
- Misc. Amplifiers Generators
- (2) - Wavetek Model 180 Sweep/Function Generators
- Glenbrook x-ray Model 80ML
- Microderm MP-600 Beta-Back Scatter
- Unitron Metallograph Model NX-11
- AmScope Stereo zoom Inspection Scopes
- American In-Circuit Emulator
- Tektronix Spectrum Analyzer Model 7L12
- Fluke DMM Model 8021B
- Fluke Digital Thermometer Model 2176A
- Kikusui Electronic Load Model PLZ-150W
- Electro Scientific Industries LCR Bridge Model 2400
- Electro Scientific Limits Comparator Model 2405
- (2) - Tektronix 1240 Logic Analyzers
- H-P 1630G Logic Analyzer
- H-P 8660C Signal Generator
- Trek ICOM 5000 Cleanliness Tester
- McDRY Cabinet

## SPECIALTY PROCESSES

- **CONFORMAL COATING**
  - Precision Valve & Automation NC Control Conformal Coat Machine
  - Bench mounted flow hoods for brush and dip application
  - Custom drying cabinets
  - Black light inspection stations
- **ENVIRONMENTALLY CONDITIONED ASSEMBLY AREA**
  - Secure limited access
  - HEPA filtered air handling system
  - STREAMLINE Laminar flow cabinet
  - NU-AIRE 201 Laminar flow cabinet
  - Tack mat entrance system
  - AirClean Systems AC632TLFUVVC PCR Workstation
- **FIXTURE DESIGN AND FABRICATION**
  - Bridgeport Vertical Mill
  - Clausing Horizontal Lathe
  - Delta Band Saw
  - Tennsmith Sheet metal shear
  - RC Neal Sheet metal former
  - D.Acro punch
  - Dake arbor presses

## GENERAL FACILITIES

- 43,000 sq.ft of flexible work space
- 36,000 sq. ft ESD Epoxy Flooring
- Mil-Spec lighting throughout
- Electronic Work Stations
- Matrix Tray Bander
- 24 hour facility security