



# Capital Equipment List

## Boston Facility

### I. SCREEN PRINTERS

- MPM Momentum with post print inspection and automated stencil cleaning
- MPM Ultraprint 1500 with automated stencil cleaning
- MPM Momentum with post print inspection, automated stencil cleaning and automated glue dispensing (Cam/Alot)

### II. PICK & PLACE MACHINES

- 3 - Assembleon AX-501 each configured with 7 standard and 6 compact robots
- 2 - Assembleon Emerald-X II with fixed Matrix tray
- Assembleon MG-1 with auto Matrix tray
- Assembleon AX-201 with High Accuracy Heads

### III. REFLOW OVENS

- Vitronics XPM703 7 zone convection
- 2 - Electrovert Omnimax OMX10 10 zone convection
- DataPaq Automated profiling unit

### IV. INSPECTION SYSTEMS

- 2 - Yestech YTV-F1 with high definition camera
- Yestech YTV-F1
- Dage XD7600NT 3D X-Ray
- 3 - In-Line Koh Young KY 8030-3 3D paste inspection
- Koh Young KY3020T table top 3D paste inspection
- Dino Cam USB High Resolution/High Magnification portable vision inspection
- Illuminated Magnification lamps
- Illuminated Black Light Magnification lamps for Conformal Coat Inspection

- 4 - ELZ-P1 SS Mini Stereo Zoom Scope with auxiliary lenses

### V. REWORK SYSTEMS

- VJ Electronix Summit 1800 BGA rework station with vision alignment, vacuum scavenging, auto profiling and motorized table for fully automated removal, reballing and replacement

### VI. SOLDERING SYSTEMS

- Vitronics Soltec Leaded Wave Solder Machine with dual fluxing option for both Water Soluble and No-Clean
- 2 - Vitronics Soltec Lead-Free Wave Solder Machine with dual fluxing option for both Water Soluble and No-Clean fluxes
- ERSA EcoSelect Fully Automated Selective Soldering Machine with dual solder pots for leaded and lead-free chemistry and dual fluxing system for water soluble and no-clean fluxes
- Air-Vac Mini-Wave

### VII. AUTOMATED INSERTATION SYSTEMS

- Universal Uni-Mod DIP Inserter
- Universal VCD/SEQ-8 Axial Component Inserter with in-line sequencer

### VIII. AUTOMATED ROUTER

- CTI Systems MR2B-2020 Fully Automated Router with vision system, top & bottom vacuum, automated bit changer and CAD based programming.

*Require more information?* If you have questions or would like to obtain further information, please call us at 321-253-0541, ext. 4114 or send an e-mail to: [DPrunier@MCATI.com](mailto:DPrunier@MCATI.com)

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### IX. TESTING/TROUBLESHOOTING SYSTEMS

- Seica Flying Scorpion Pilot LX flying probe
- Instek GPT-9904 HYPOT tester
- Test Equity TE140 Environmental chamber
- L & H ZBD-108 Environmental chamber
- Associated Environmental Systems BD-127 Environmental chamber
- GenRad 2286i
- GenRad TS86
- Teradyne TS128
- Agilent 3070
- 4 – Instek GDS2104A 100MHz Oscilloscopes

### X. CLEANING SYSTEMS

- Aquastorm 200 Fully automated in-line Aqueous DI cleaner with chemical isolation using Vigon A201 chemistry as an optional cleaning method.

### XI. CONFORMAL COATING SYSTEMS

- PVA MCCS-SYS spray coating system
- Grieve Curing Oven

### XII. COMPONENT PREP SYSTEMS

- HEPCO T3700 Heavy Duty Lead Shearing Machine
- HEPCO T3000 Lead Shearing Machine
- HEPCO 1500 Lead Trimmer
- HEPCO 1700 Lead Trimmer/Former
- HEPCO 8000 Lead Forming/Trimming Machine
- HEPCO 7700LF DIP Forming/Trimming machine
- GPD CF-8 / CF-9 Component Lead forming and trimming machine

### XIII. HAND-HELD ASSEMBLY EQUIPMENT

- Metcal Single and Dual-Port Soldering Stations
- PACE and Metcal De-Soldering Stations
- Pneumatic and manual torque drivers
- Digital Torque testers with built-in transducers

### XIV. MISCELLANEOUS EQUIPMENT

- 2 - FKN PCB De-Panelizer 18" K3000S
- FKN PCB Nibbler 0110N
- N2-GEN 35C PSA Nitrogen Generator
- MEP 5 Ton Semi-Automated Press
- 2 - TOX Manual Press
- Manual Presses
- Barcode Scanners

### XV. SOFTWARE

- Aegis FUSION for on-line visual aids, WIP tracking, Quality Data and forced routing
- Aegis CircuitCam for creation of Visual Aids utilizing CAD/Gerber data and customer BOM Kinaxis Rapid Response
- Forth Shift MRP system integrated with above software tools
- Valor V-Plan for machine programming, line optimization and detailed DFM analysis.
- AutoCad LT
- GC-Preview
- SolidWorks Viewer
- DataPac Profiling optimization
- Microsoft Office Suite

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