

ELECTRO-COMP SERVICES INC



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Product Year 2011

Products and Services

Manufacturing, Prototyping, Design, Test,
Remanufacturing and Repair

Equipment List

E-C has been established in the electronics industry since 1987 and have adapted to the changing needs of the commercial, military and government systems. We are pleased to review your requirements and find solutions to not only day to day problems but long term logistics management and manufacturing forecasts.

Certified Woman Owned Small Business

Cage Code 4WHL8, ITAR Certified, ISO Certified

Equipment List Board and Flexible Circuits 2011

HEPA Filtered Class 10,000 Clean Room

Engineering / Tooling:

- Mania-Barco SilverWriter 8000 Photoplotter; 16,000 dpi, 0.4 mil line
- 11 X CAM350, Genesis Workstations

POLAR Impedance Modeling

- DuPont EasyCompact 72 Film Processor
- Spartanics Automatic Registration Film Punch
- Bacon Traveler Generation Software

Imaging:

- Orbotech Paragon 8800Hi Laser Direct Imager
- 2 X Teknek Cleaning Machines
- Hollmuller Green Line Thin Core Developer; 1/2 mil resolution
- C. A. Picard Layer Punch

Lamination:

- Custom 17 Pin and 13 Pin Tooling System's
- 2 X DuPont HRL-24 Hot Roll Laminators
- TMP 4 opening HighTemperature oil heat/cool vacuum press
- Lauffer Vacuum Lamination Press
- Wabash Lamination Press With Vacuum Frame System
- CA Picard Depinning Table

Drill / Route:

- Hitachi Model ND-15213E PCB Modular Drill Machine (3) w/Vision 160K
- Hitachi Model ND-15213E PCB Modular Router Machine (3) w/Vision
- Excellon Mark VI Drill
- Excellon Mark VII Router
- Glenbrook Technologies X-Ray System
- Accuscore Vertical Scoring Machine
- MASS Plane Raze SV-100 Planerizer

Plating:

- (2) Plasma-Etch MK-II Plasma Chambers
- Pola & Massa Precision Deburring Machine
- Technic Electroless Copper line; Rohm and Haas
- Technic Electrolytic Plating line; Rohm and Haas
- Hollmuller Green Line Thin Core Etcher
- Hollmuller Green Line Thin Core Resist Stripper
- Hollmuller Tin Strip System with Tsunami Fluid Heads
- Soldermask & Nomenclature:
- Colight 1630 Exposure System
- 3 X Screen Tables, 2 X Grieve Ovens
- Dalux developer
- MASS VHF-200 Via Plugging machine

Final Finish:

- Cemco Quicksilver Hot Air Solder Leveler
- Electroless Nickel / Immersion Gold line
- Hard Gold line; Rohm and Haas

Test and Measure:

- Mania-Barco Argos 850 Automatic Optical Inspection Station

- Microcraft EMMA ELX6146 Flying Probe Tester, 500 Volt
- Zmetrix ST2000 Controlled Impedance Test System
- Optek Coordinate Measuring Machine
- Nikon Microsection Microscope w/ 3MP digital camera and Plato Solder Pot
- Buehler Automet 250 With Ecomet 300 Pro controller
- 7 X Stereo Microscopes for Inspection
- TBA & CVS Bath Analyzer
- OXFORD CMI900 XRF
- OXFORD 500 Series Copper Thickness Checker

SMT Solder Paste Equipment

- MPM AP20
- Fuji GSP 2/4000
- MPM AP24
- DEK 260
- MPM AP36
- Manual SMT Technologies Printer
- Manual SMT Technologies Printer
- Smartsonic 4200 Stencil Washer
- Slim Kick 2000 Thermal Profiler

SMT Placement Equipment

- (4) Mydata MY12 Hydra
- MyData TP11 with Hydra
- MyData TP9
- Fuji CP 4/2
- Fuji IP 3

Forced Air Convection Oven

- Vitronics 820a Oven
- Vitronics XPM2
- Conceptorics HVN102 Oven
- Heller 1800W Oven
- Vitronics Unitherm SMR500 Oven
- Vitronics Isotherm 500 S

Aqueous Cleaning System

- Trek Triton SMTIV MIL Aqueous Washer
- Hollis Board Washer

Through Hole Component Forming Through Hole Component Insertion

- GPD CF-7 Lead Former
- Universal Uni-Mod
- 2 - CLP-274 Lead Processors Universal VCD Sequencer
- Design DA-1000 Lead Former Universal 6360 Radial
- APS Lead Trimmer Heller PT1000
- Hepco 1500 and 3000
- ElectroPrep LeadFormer

Wave Solder

- Vitronics Soltec Delta Wave Electrovert U2000
- Vitronics Soltec Delta Wave Lead Free
- Vitronics Delta Wave Lead Free
- Electrovert EconoPak

Back Plane Equipment

- AMP 30 ton Press

Contamination Testing

- Alpha Mteal 600R Omega Meter

Semi-Automated Test Equipment

- MDA Checksum bed of nails

Rework & Inspection Rework & Inspection

- CR Technologies RTI6500 AOI
- CR Technologies RTI 6500 AOI
- Glenbrook X-Ray machine
- Cyberoptics LSM 500 Paste Inspection
- 2 - Cyberoptics LSM Paste Measurement
- Glenbrook RTX-113HV X-Ray Inspection
- OK Industries BGA 3500 Rework Station
- Mantis Scope Stations
- Airvac PCBRM-12 Miniwave
- Hako Desoldering Tools
- Airvac PCBRM-12 Miniwave

Depaneling

- Fancort VPD-M Depaneler
- Fancort NTR-1 Nibbler

Other Other

- Dymax 1200-EC UV Cure Oven Contact Systems Component Prep Machine
- Acu Seal 235 Vacuum Bag Sealer
- Q-Corporation Lead Trimmer

Automated Wire Stripping/Pinning

- 4 - Komax 40T
- Komax Gamma 333PC

Semi-Automated Pinning

- 11 - Bench Press, AMP, Panduit, JST

Manual Pinning

- Numerous Hand Crimpers

Injection Molding

- Newbury V4 Injection Molder
- Newbury V4-30 ARS Injection Molder
- Newbury V5-30 ARS Injection Molder

Wire Stripping

- Schleuniger MP 257 Coax Stripper
- 8 - Schleuniger US2015 Wire Stripper
- 3 - Simplex S-30C Wire Stripper

Testing

- Numerous Cirris Signature 2000 Cable Testers

Other

- 4 - Panduit PAT1M2 Cable Tie Installation Systems
- Workmanship Manual to ANSI, MIL, IPC and SCA Specification