



## **Facilities**

Location: Melbourne, Florida  
Sq. Ft.: 141,000  
Services: Turnkey Contract Manufacturing and Order Fulfillment

## **Equipment List**

- Screen Printers - DEK 265GSX (2); DEK Horizon (3); DEK 265LT (1) all with 2D inspection Stencil / Print Vacuum/Clean Under Wipe
- Off Line Paste Inspection – Cyberoptics (1); Koh Young 3030 3D(1)
- General Dispensing Machines – Camalot Gemini 2082 (2)
- High Speed Placement Machines - Universal Instruments 4796B HSP (6)
- Fine Pitch Placement Machines - Universal Instruments GSM1 (4); GSM FLEX JET (2)
- Convection Reflow Ovens – Heller 1800W (2); Heller 1800 EXL (2); Heller 1900 EXL (1); Heller 1900W
- Automated Optical Inspection – YESTech YTV-2050 (2)
- Automated Through Hole Equipment – Universal 6287A VCD (1); 2596A Sequencer (1)
- Wave Solder – Electrovert Econopak 2 SMT (1); Vectra (1)
- Selective Wave Soldering – Vitronics – Soltec MySelective (1)
- Solder Fountain – Air Vac (2)
- BGA Rework – Metcal (1)
- Aqueous Cleaning System - Westek Triton IV Mil SMT (1); Westek Triton V (1)
- Stencil Cleaner – EMC 30 IPA (1)
- Cleanliness Tester – Icom 5000 (1)
- Real-Time X-Ray – Glenbrook 2D X-Ray (1); Agilent 5DX X-Ray (1)
- In-Circuit Test – GenRad Series 2276 (1); GenRad Series 2281 (1)
- Flying Probe Test - Takaya 8400ce (1)
- ESS Thermal shock: Associated Environmental Systems, Model ZBD-108 Size 2 x 2 ft.
- ESS Vibration: Ling Dynamic Systems Model 640 Range 5 to 5kHz. 350 Lbs max load.
- Boundary Scan – Asset Intertech Scanworks (1) Corelis Development Pod (1)

## **Component and Material Types**

- ◆ Board Sizes up to 18” X 20”
- ◆ PBGA, CBGA, TBGA
- ◆ Micro BGA (.4mm)
- ◆ 16 mil QFP’s
- ◆ 0402’s, 0201’s
- ◆ SMT Connectors and other odd shaped components
- ◆ HASL, Immersion Gold, Immersion Silver, OSP and other surface finishes
- ◆ Flex Circuits

## **Processes**

- ◆ Double Pass/Double Reflow
- ◆ N2 Environment for Reflow/wave
- ◆ 2D XRAY Inspection
- ◆ BGA Repair and Replacement / Rework
- ◆ Potting
- ◆ Conformal Coating
- ◆ No Clean Solders
- ◆ Closed Loop Aqueous Wash
- ◆ Selective Wave Solder (In House Fabrication)
- ◆ Vacuum Bonding
- ◆ Adhesive Printing
- ◆ Lead Free / RoHS Compliant