



Facilities

Location: Westford, MA
Sq. Ft.: 108,000
Services: Turnkey Contract Manufacturing and Order Fulfillment

Equipment List

- Screen Printers - DEK 265GSX (3); DEK Infinity (2) all w/ Gridlock Board Support Systems
- In-Line Paste Inspection Systems – Cybersentry (5)
- High Speed Placement Machines - Universal Instruments HSPs 4791(2); 4796A (1); 4796L (2)
- Fine Pitch Placements - Universal Instruments GSM1 (5)
- Convection Reflow Ovens - Conceptronic HVN-102 (4), Vitronics XPM 1030 (1)
- Semi-Automatic Insertion Equipment – CS400 (1)
- Wave Solder w/Nitrogen – Vitronics Delta Max (1)
- Selective Wave Soldering – Vitronics – Soltec MySelective (1)
- Solder Fountain - Wenesco M90 (1)
- Aqueous Cleaning System - Westek Triton IV Mil SMT (1)
- Organic Water Treatment System – Westek (1)
- Cleanliness Tester – Alphametals Ionograph 500M (1)
- Stencil Cleaning - Smart Sonic Model 2000 (1)
- BGA Rework Stations - Sierra Research Technologies (SRT) (1)
- Real-Time X-Ray – Dage XD7500VR (1); Nicolet Imaging System NXR-1400I (1)
- Agilent 5DX X-Ray (1)
- Automated Optical Inspection – YESTech YTV-2050 (2)
- BGA Inspection Scope – Caltex (1)
- In-Circuit Test - Teradyne Z1884 (1); GenRad Series TS87L (1); Agilent 3070 Series II (1)
- Flying Probe Test - Takaya 8400ce (1); Teradyne Javelin1004 (1)
- Environmental Stress Screening - Harris Chambers (8)
- HASS – QualMark OVS-2.5eLF (1)
- Boundary Scan – Asset Intertech ScanWorks (2) + Network license
- USI 300 automated conformal coating
- PVA 650 Under-fill Machine

Component and Material Types

- ◆ Board Sizes up to 18" X 24"
- ◆ PBGA, CBGA, TBGA, CGA
- ◆ Micro BGA (.5mm)
- ◆ 16 mil QFP's
- ◆ 0402s, 0204s, 0201s
- ◆ VHDM Press Fit Connectors
- ◆ SMT Connectors and other odd shaped components
- ◆ HASL, Immersion Gold, Immersion Silver, OSP and other surface finishes

Processes

- ◆ In Line Paste Volume Inspection
- ◆ Automated Optical Inspection
- ◆ Double Pass/Double Reflow
- ◆ N2 Reflow and Wave Solder
- ◆ 2D XRAY Inspection off axis machine
- ◆ 5DX Inspection
- ◆ BGA Repair and Replacement / Rework
- ◆ Lead Free / RoHS Compliant
- ◆ High and Low Temp Solders
- ◆ Intrusive Reflow
- ◆ No Clean Solders
- ◆ Closed Loop Aqueous Wash
- ◆ Selective Wave Solder
- ◆ Conformal Coating
- ◆ BGA Under-fill