

Certifications

- ISO 9001
- ISO 13485
- AS 9100
- IPC-A-610 Class 1,2,3
- QC 080000 RoHS/HSF
- ANSI J-STD-001
- ITAR

services

Manufacturing:

- System Build
- PCB Assembly
- Mechanical Assembly
- SMT
- Thru Hole
- Functional Testing
- Supply Chain Management
- Process Documentation
- Flexibility
- On-time delivery
- 65,000 Square feet
- World-class manufacturing

Engineering:

- Full Systems Design Scheduling & Management
- DFM – Manufacturability
- Sustaining Engineering
- Test Configuration
- RoHS & SMT Conversion
- Process Design Conversion
- Cadence Design Tools
- Altium Design Tools
- Solid Works Professional 3D
- AutoCAD 2D
- Aegis - Checkpoint and CircuitCam
- LabVIEW Functional Test Design & Throughput Automation

logistics

- Supply Chain Management
- Automated Procurement of materials
- Customer Inventory Warehousing
- Domestic and International Shipping
- Kanban
- Consignment inventory
- Dock-to-Stock
- Warranty and Repair Services

lean manufacturing

- Paperless Manufacturing System
- Maximize Space Utilization
- Activity Relationships (Pull)
- Cellular Piece Work Flow
- Material Handling
- Just-In-Time
- Continuous Improvement Programs
- Work Station Design
- Rapid Changeover
- 5 S's
- Value Stream Mapping

markets served

- Department of Defense
- Medical
- Clean Energy
- Telecom
- Datacomm
- Semiconductor
- Controls and Measurement
- Transportation
- Industrial
- Data Storage
- Security
- Aviation
- Aerospace



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equipment list

SMT Pick and Place Equipment:

- 2 Universal Instruments – Genesis Series I GC-30S High-Speed SMT (34k CPH)
- 2 Universal Instruments – Genesis Series I GX-7S Multi-function SMT (15k CPH)
- 1 Universal Instruments – Advantis-3 AC-30S High-Speed SMT (34k CPH)
- 1 Universal Instruments – Advantis-3 AX-7S Multi-function SMT (15k CPH)
- 2 Quad Systems – QSP-2+ High Speed SMT (12k CPH)

Stencil Printers:

- 2 DEK – Model ELA Fully –Automatic Stencil Printer
- 1 DEK – Model HORIZON 265 Fully Automatic Stencil Printer
- 1 DEK – Model EUROPA Fully Automatic Stencil Printer
- 2 Quad – Model AVX500 Fully Automatic Stencil Printer
- 2 Quad – Model VMP20MV Semi-Automatic Stencil Printer

Reflow Ovens:

- 1 Vitronics-Soltec – Model XPM3i-1030 Convection Reflow Oven (13 zones)
- 2 Vitronics-Soltec – Model XPM-820 Convection Reflow Oven (10 zones)
- 1 Vitronics-Soltec – Model XPM-520 Convection Reflow Oven (7 zones)
- 2 BTU – Model PYRAMAX100 Convection Reflow Oven (10 zones)

Thermal Profiling Equipment:

- KIC – SlimKIC 2000 Thermal Profiler

Automated Through-Hole Equipment:

- Universal Instruments – 6241B VCD Axial Inserter, 6287A VCD Axial Inserter and 6790 DIP Inserter
- 4 Contact Systems – CS400 Semi-Automatic Component Inserter

Selective Solder Equipment:

- 2 Pillarhouse – Jade Handex Selective solder machine
- 2 Pillarhouse – Jade S-200 Selective solder machine
- 2 Hakko – 485 Solder Fountain
- 1 AirVac – PCB RM-15 Solder Fountain
- 1 Vitronics / Soltec 6746

Wave Solder Equipment:

- 1 Technical Devices – NU/ERA JR. Wave Solder
- 1 Speedline – Vectra Elite Wave Solder
- 1 Manncorp – 28.400.2 Wave Solder
- 1 Manncorp – 16.350 Wave Solder

Cleaning:

- Inline Wash Systems – Technical Devices and Triton

Surface Mount Repair/Rework Equipment:

- 1 DEN-On Instruments – RD500 Series2 BGA/CSP closed loop rework station
- 1 APE – Sniper Split Vision Rework
- 1 Ersa 600/2 Rework Machine

Inspection:

- 1 Phoenix X-RAY – PCBA Analyzer 160
- 1 Glenbrook Tech. – RTX-113 X-Ray
- 3 YESTech – YTV-2050 AOI Inspection System
- 2 YESTech – B2 Bench Top AOI
- 1 Cyber Optics – FLEX AOI Inspection System
- 1 MV-Tech – GS-1 AOI Inspection System
- 1 Mirtec AOI
- LabVIEW – Automated Inspection Processes

Test Equipment:

- Genrad – Model 2286i In-Circuit Tester
- Genrad – Model 2287 In-Circuit Tester
- Seica – Pilot VIP Flying Probe
- Takaya-APT-9401 CJ Flying Probe
- Tektronix – TLA715 Series Logic Analyzer
- Ionograph – SCS and Alpha Metals
- LabVIEW – Automated Functional Test

Environmental Test Equipment:

- 2 Thermotron SE-3000-15-15 Environmental Chamber
- 1 ESPEC Chamber ENX-28-15CA

3D Printer: MakerBot Replicator 2X

Cleanroom: Class 1000 onsite

