

Certifications

- AS9100D
- ISO 9001:2015
- ISO 13485:2016
- QC 080000 ROS/HSF Compliant
- ITAR M-3857
- GIDEP – Government – Industry Data Exchange Program
- IPC-A-610 Class II, III
- IPC ANSI/J-STD-001
- CAGE/NCAGE Code: 23302
- DX-A1, DO-A1 and DO-A2 Program Experience
- FDA Registered for Manufacturing
- Small Business Classification
- CMMC level 2.0 and NIST SP 800-171 compliant

OEM Products

- Monitoring, Thermocoupling, & Control Products for Glass Manufacturing
- Robotic Material Handling & Delivery Systems
- LED Lighting Sensors



services

Manufacturing:

- System Build
- PCB Assembly
- Mechanical Assembly
- SMT
- Thru Hole
- Functional Testing
- Supply Chain Management
- Process Documentation
- Flexibility
- On-time delivery
- 90,000 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
- Aerospace
- Aviation
- Telecom
- Datacom
- Semiconductor
- Controls and Measurement

- Transportation
- Industrial
- Data Storage
- Security
- Clean Energy
- Medical

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equipment list

SMT Pick and Place Equipment:

- 3 Universal Instruments – Genesis Series I GC-30S High-Speed SMT (34k CPH)
- 4 Universal Instruments – Genesis Series I GX-7S Multi-function SMT (15k CPH)
- 1 Universal Instruments – Fuzion xc2-37 Multi-Function High capacity SMT Assembler

Stencil Printers:

- 5 Ekra Serio 4000 screen printers

Reflow Ovens:

- 1 Vitronics-Soltec – Model XPM3i-1030 Convection Reflow Oven (13 zones)
- 1 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
- 2 Contact Systems – CS400 Semi-Automatic Component Inserter
- 1 Robotas Semi-automatic Component Inserter

Selective Solder Equipment:

- 2 Pillarhouse, 1 Jade, 1 Hadnex Selective Solder Machine
- 2 AirVac – PCBRM-15 Solder Fountains
- 1 Vitronics / Soltec 6746
- 1 Ersa VersaFlow 335
- 1 Ersa SmartFlow 2020

Wave Solder Equipment:

- 2 Henry Mann leaded wave solder machines
- 1 Henry Mann leadfree wave solder machine

Cleaning:

- 2 Stoelting ABC 3500 Batch Wash
- 1 SCS-Ionograph 500 STD
- 1- Ionograph – SCS and Alpha Metals

3D Printer:

- 1 Raise3d PRO-2
- 1 Creality K1
- 1 Creality CR-30

Additional Surface Mount Equipment:

- 1 ERSA 600/2 Rework Machine
- Inovaxe Smart Storage Shelving
- 1 ScienScope X-ray Counting System

Conformal Coating Equipment:

- 1 PVA Delta 8 Coating / Dispensing System
- 3 CB100 Spray Booths

Inspection:

- 1 Viscom X-RAY – X8011-II PCB
- 1 ERSA – ERSAScope 2 Inspection System
- 5 Mirtec AOI 3D Inspection System
- 1 Mirtec Desktop AOI – MV-3L
- 3 Vision Engineering – LYNX Stereo Dynascope
- 4 Vision Engineering – TS-4 Stereo Dynascope
- 7 Vision Engineering – Mantis Microscopes
- 4 Generic Microscopes

Test Equipment:

- Genrad – Model 2286i In-Circuit Test
- Seica – Pilot V8 Flying Probe
- Tektronix – TLA715 Seiers Logic Analyzer
- LabVIEW – Automated Functional Test

Environmental Test Equipment:

- 2 Thermotron SE-3000-15-15 Environmental Chambers
- Test Equity 3007C Environmental Test Chamber

Cleanroom: 2 Air Science LF-Series Class 1000 Clean Booths