



## SERVICES PROVIDED

- Turnkey, Consignment and Partial Turnkey
- NPI & Program Management
- Consignment to Turnkey Transition
- Quick turn: 24 hours
- Prototype and Small Volume Production
- SMT, BGA, Micro BGA, PTH, & Mixed Technology
- Design Services
- PWB and Component sourcing
- DFX Evaluation and Consulting
- Rework and Modification Services
- Component, CCA, and System Level Traceability and Serialization
- Conformal Coating
- Mechanical & Cable Assembly
- System Integration (Box Build)
- Structural, Functional and Environmental Testing
- Depot Repair

## PROTOTYPE PRECISION REWORK LAB

- BGA Removal, Replace & Reballing
- Technology Conversions (Lead Free<->Leaded)
- Eutectic & Non-Eutectic
- X-Ray Analysis 3DX
- High Density SMT Rework
- Cuts, Jumps and Mods
- 24 Hour Turns & Quick-Turn Prototype

## TECHNOLOGIES

- Fine-pitch SMT: 16 mil (0.4mm) pitch or larger
- BGAs: 150mm square, 31 mil (0.8mm) pitch, 2400+ balls
- Passives: 01005s and larger
- Circuit Boards as large as: 18" x 24" & 1/4" thick
- RMA, Aqueous and No-Clean Flux processes
- Leaded and Lead Free Solder processes
- RoHS5 and RoHS6 Compliant
- Conformal Coating: Acrylic/Urethane

## CERTS, REGISTRATIONS AND ACCOLADES

- ISO 9001:1994 & 2000
- AS 9100B
- ANSI/ESD S20.20-2007
- Boeing QMS Certified "Gold" Supplier
- Authorized to perform UL certifiable work (951273-001)
- FDA registered (10024397)
- ITAR registered (DTC M15400)
- CAGE Code: 3GG12

## FACILITIES

- Axiom occupies 27k sq ft state-of-the-art manufacturing facilities

## FACILITIES (Cont.)

- Facilities are certified ANSI/ESD S20.20-2007 (MIL-STD 1686) compliant, capable of handling Class 0 (HBM) Components and Assemblies

## PERSONNEL

- Certified Operators, Inspectors and Trainers
- IPC-A-610 Class II and III and J-STD, Rev D certified
- NASA STD 8739.2, Surface Mount Technology
- NASA STD 8739.3, Soldered Electrical Connections

## Customer Support

- Sales
- Program and Project Managers

## Quality

- Quality Engineers
- Lean Manufacturing Specialists
- Six Sigma Black Belts
- PRA/DMR Specialist

## Engineering & Test

- Process & Manufacturing Engineers
- Test Engineers
- Equipment Programming Techs
- Documentation Control Center
- Factory trained Maintenance Techs on-site

## Materials

- Materials Procurement and Supply Base Management

## PRODUCTION RESOURCES

- Three SMT Production Lines
  - Screen Printers: Speedline/MPM UP1500
  - Pick and Place: Universal AdvantisX
  - Pick and Place: Panasonic MPAV2B/G3
  - Reflow: Heller 1809 MKIII 9 Zone with Nitrogen
- Technical Devices Nu/Era Wave Solder System
- Pillar House Jade Selective Solder System
- ECD Temperature Profiling and Validation Tools
- Technicon Z-Check 600 Paste Height Msrmt System
- Unitek Thin-Line 180 Hotbar
- Electrovert Aqueous Cleaning System
- Aqueous Trident III Cleaning and Inspection System
- Alpha Metal Ionograph
- Sierra SRT1000 and 1100 BGA Rework Stations
- Through-hole Slide-Line
- MASCOT Through-hole Insertion System
- JBC DD5700 Dual Soldering and Rework Stations
- YesTech F1S AOI - Automated Optical Inspection System
- ERSA-Scope 2 Optical Inspection System
- CR Technologies CRX2000 X-Ray System
- Asymtek 940 Conformal Coating System
- Thermatron S32 Temperature Cycle Chamber
- GenRad 2286 In-Circuit Tester
- Teradyne Flying Prober

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