

MC Assembly's Skill Set Package

Materials Strength

- **Largest spend in the Southeast** with \$120M in materials (electrical and mechanical)
- **Silicon Expert software;**
 - Obsolescence scrub – identifies already obsolete material, planned obsolescence by a manufacturer and offers alternative parts with full spec and data sheets
 - Identifies Inventory availability on any materials in the largest database of any competitive tool available in the market
 - **ERAI** – works with Silicon Expert for counterfeit part identification and mitigation

“Tier 1 EMS Capabilities With a Mid-Tier Customer Service Focus”

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Materials Strength (cont.)

- **Kinaxis Rapid Response software**
 - Advanced Planning Software that provides strong ATP (Available to Promise) capability
 - Creates “what-if” analysis and order simulations on customer forecast changes
 - Excellent for high mix / low volume customer requirements
 - Program Managers can create custom workbooks and alerts offering continual analysis for the customer

Certifications/Registrations

- Secure Documentation Control
- ITAR Registered and Compliant
- ISO 9001:2008, ISO 13485:2003 and AS-9100 Rev C. Certified
- FAA-PMA Certified
- Apple® Authorized MFi Manufacturing Licensee 6.0 (<http://mfi.apple.com/faqs>)

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Engineering Support

- **DFM Analysis**
 - **Valor software** – with human experience applied
 - A digital photo report is submitted identifying critical, major and minor findings versus IPC guidelines and MC Assembly manufacturing rules and guidelines
- **DFA Analysis**
 - “Design for Assembly” Performed for box build applications
- **DFT Analysis**
 - Design for Test - uses TestSight Developer from TestSight for DFT, probe placement, fixture plate design, and revision management.
 - Provides instant evaluation of % and spacing of all probe targets on the PCBA

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Engineering Support – Test Development

- **Flying Probe**
 - Learn / debug / repair / development all done in-house
- **ICT**
 - Full development of In-Circuit Test done in-house
 - 10 - HP 3070 test platforms
 - Genrad / Teradyne available for test bed transfers if needed
- **FCT**
 - Functional testers for board and/or box level developed in-house or we manage customer supplied testers
- **Boundary Scan / JTAG chain testing**
 - Developed in-house for board level test

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