

**Oakdale, Minnesota**



### **Infrastructure:**

- ◆ 55,000 Square Foot Facility
- ◆ 24x7 Build Capability
- ◆ ISO 9001:2008
- ◆ ISO 13485 Medical Certification
- ◆ AS9100 Aerospace Certification
- ◆ IPC-610 Class C Certified Rework Staff (IPC Trainer on Staff)
- ◆ Oracle Based MRP System
- ◆ AEGIS Integrated Manufacturing Execution System
- ◆ Web-Based Electronic Reporting
- ◆ DFM/FMEA Services
- ◆ Failure Analysis Services
- ◆ Circuit Cam Software
- ◆ Data Pak 9000 Thermal Profiler
- ◆ Nicolet X-Ray Equipment
- ◆ BGA Removal/Replacement with Sierra Research Technology
- ◆ World-Wide Logistics Capability

### **Screen Printers**

- MPM UP1500**  
Print Area 22" x 19.6"
- DEK 248**  
Print Area 16" x 16"

### **Glue Dispenser**

- Camelot 1818**

### **SMT Pick & Place Lines**

- MyData Synergy 1, 2 and TP11 UFP**  
Placement Rate 79,000 CPH  
Component Placement Range
  - Chips 0201 and up
  - Size up to 2.01" package
 BGAs, Flip Chip, CSPs, 6 Mil Pitch, 3 Mil Lead Space  
Maximum Board Size: 18" x 24" or 20.5" x 22.7"

### **Reflow**

- Electrovert Bravo 8105, OMNI Flow 7, and Conceptionics HVN70**

### **Wave Solder**

- Electrovert Electra**

### **Selective Soldering**

- Pillarhouse Jade System**
- RPS Systems RHYTHM SS**

### **Test**

- AOI Orbotech VT 9300**
- ICT Factron and Teradyne Z1880-2**
- Genrad 2281**
- X-Ray Nicolet NXR14001**
- Summit 1000**
- ERSA Scope**
- Boundary Scan JTag**

### **DI Water Closed Loop Wash Systems**

- Electrovert Aquastorm 100, 200, & Hydrastation**

### **Board De-Panelizer**

- FKN Systech K4000**

### **Through-Hole**

- Universal 2596 Sequencer**
- Dyna Pert 100 Sequencer**
- VCD Universal 6287 Axial and DIP Inserter**
- Dyna Pert V12000 Axial and DIP Inserter**

### **Burn-In**

- Thermotron F-42-CHU-25-25**
- ESPEC ET046-5JW**

### **Conformal Coating**

- Spray Booth**
- Nordson Select Coat System**

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