

# **Career Opportunity**

## **SR. SMT PROCESS ENGINEER**

**ORANGE COUNTY, CA**

### **About the Company:**

- **A leading manufacturer of power amplifiers, loudspeakers, signal processing, digital signal transport, and computer control systems for professional audio markets worldwide.**
- **Consistently named one of the “Top Orange County Workplaces” based on responses from almost 20,000 employees surveyed throughout the region.**
- **Provides competitive compensation and benefits that reward employees for company performance. All candidates who meet the requirements: please submit your cover letter, resume and salary requirements to Ms. Cain, Talent Acquisition Consultant, at [marcain@earthlink.net](mailto:marcain@earthlink.net), or call 909-866-2819.**

### **JOB SUMMARY:**

Company seeks an experienced and self-motivated Sr. SMT Process Engineer whose primary responsibilities is to support PCBA, SMT, THT in the area of industrial and manufacturing engineering with a secondary responsibility to operations production support. This position provides technical support to the Production Department and acts as an interface between the Research and Design Engineering and Production Departments for SMT, THT and Electromechanical assemblies. Provides assistance to the Director of Manufacturing by supporting existing product lines, establish/improve manufacturing and process guidelines and support/supervise pilot production during new product introductions. This position will assist in equipment evaluation and setting up production equipment.

### **EDUCATION AND EXPERIENCE:**

- BSEE or Equivalent Engineering degree preferred.
- 8-15 years' experience in an electronics manufacturing environment
- Experience with SMT, through-hole, wave solder and box-build manufacturing
- Experience with quick-turn / new product introduction environments
- Knowledge in IPC-A-610 and IPC-J-STD-001
- Experience with assembly process evaluation, control and validation, FMEA, SPC, and first article process controls
- Proficient at preparing work instructions, assembly & test procedures, stenciling, tooling and fixture specifications

- Experience with SMT equipment (Panasonic preferred) and wave solder equipment.
- Ability to read and write technical English with a high degree of proficiency
- Experience working in an ISO 9001 electronics manufacturing environment
- Experience with AOI systems, Mertic is a plus.
- Experience of lean manufacturing concepts. Continuous improvement champion, Six-Sigma Black Belt or Green Belt is a plus

**DUTIES AND RESPONSIBILITIES:**

- Ensure production readiness of key processes in PCBA assembly cycle
- Monitor and continuously improve the quality of manufacturing processes
- Support cross functional continuous process improvement projects
- Develop and maintain manufacturing methods, work instructions and processes
- Design experiments to develop optimum production processes. (Solder paste selection, stencil designs, feeder setup methodology, selective soldering techniques etc.)
- Evaluate, troubleshoot to root cause and problem-solve SMT & wave solder profiles, manufacturing equipment, fixtures, tools, materials, chemicals and processes.
- Write pre and post build DFM reports
- Manipulate data files to accomplish above (Gerber, ODB++, various CAD packages and 3D modeling; i.e. Solidworks.)
- Develop appropriate secondary manufacturing processes: rework processes, hot air, BGA repair.
- Interface with Production and Quality teams
- Provide technical expertise to Production team
- Provide annual cost reduction opportunities for the company
- Develop SMT key performance indicators for the factory improvement model
- Conduct engineering evaluations, statistical analysis and corrective actions supporting process improvement efforts