



Manufacturing Process Engineer

This position is located at the Corporate Headquarters in Henderson, Nevada

VadaTech, Inc. is seeking candidates for a Manufacturing Process Engineer. The Manufacturing Process Engineer is responsible determining operations to produce products and developing processes to ensure quality, cost and efficiency requirements are met. This position troubleshoots problems with production and takes corrective action. The process engineer also researches the purchase of equipment or upgrades to existing equipment.

Essential Functions:

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Process Engineering

- Optimize process yield and productivity thru continuous improvement programs
- Develop, maintain, and validate thermal profiles for SMT oven for new and existing board level products
- Generate and update work instructions for production processes as required
- Participate in New Product Development process to evaluate concepts, design, prototype and test
- Work closely with Electrical and Mechanical Engineering teams to perform “Design for Manufacturability” and “Design for Assembly” reviews on new and existing products to IPC and other recognized specifications. These include review and approval of stencil designs to chip manufacturer specifications
- Identify and lead implementation of new and enhanced electronic assembly capabilities
- Design and develop fixtures and tooling including selection and coordination with suppliers
- Create, update and maintain manufacturing documents for pre-production until builds for design verification, design validation and process validation
- Drive engineering prototype and first article jobs to all relevant data for potential improvements for both electrical and mechanical engineering teams
- Collaborate with engineering to resolve customer quality issues related to manufacturing process issues
- Supervise operator training

Required Skills:

- BS degree or equivalent in a technical field (IE, EE, ME, Materials Science, etc.) and 5+ years of increasingly responsible work in an electronics manufacturing environment, particularly in a high mix, low volume facility
- Strong knowledge of Surface Mount Technology (SMT), wave soldering technology, with experience in lead-free processes (RoHS compliance)
- Knowledge of electro-mechanical assembly processes: soldering (including solder joint characteristics), conformal coating, brazing, adhesive bonding, welding, and precision mechanical assembly
- Experience in development, implementation and maintenance of quality systems and processes
- Knowledge and experience in Process automation
- Strong understanding of IPC standards, including IPC certification (IPC-A-600, 610, 620, and J-STD-001 or equivalent).

- Able to accomplish root cause analysis and resolve problems on a conceptual and advanced troubleshooting level
- Knowledge of ISO standards, audits and inspection techniques, and experience with ISO 9001 and AS9100 certification in a lead/supporting role
- Ability to handle job stress and interact effectively with others in the workplace
- Fluent domain of the English language: Ability to read, write and speak English well
- Ability to carry out detailed written and oral instructions

Competitive compensation and benefits which include medical/dental/vision insurance, 401k with employer contribution, PTO, paid Holidays, and on-site fitness center.

Interested qualified candidates should submit their resume, cover letter and salary requirements to vjobs@vadatech.com.

The above information on this description has been designed to indicate management's assignment of essential functions and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to this job. Nothing in this job description restricts management's right to assign and reassign duties and responsibilities to this job at any time.

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