

## Manufacturing Engineer

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### **Summary:**

The Manufacturing Engineer focuses on expanding manufacturing and technology capabilities, improving existing textile and related manufacturing systems, enabling the introduction of new products, and providing project management support for various departments throughout the company.

### **Responsibilities:**

- Evaluates, and improves manufacturing methods, utilizing knowledge of product design, materials and parts, fabrication processes, tooling and production equipment capabilities, assembly methods, and quality control standards.
- Develops new manufacturing methods using existing or new equipment to ensure repeatability and conformance to customer specifications.
- Develops processes for manufacturing products using Lean, Six Sigma, and/or Statistics based methods and principles for process excellence
- Monitors and audits the performance of processes and equipment and makes recommendations for continuous improvement.
- Confers with vendors and internal resources to determine product specifications and arrange for purchase and installation of equipment, materials, or parts, and evaluates products according to specifications and quality standards.
- Maintains control of system software's, control logic program files, mechanical and electrical schematics, drawings and bills of materials and revision histories.
- Document processes and train operators and other personnel.
- Interact with Product Development to ensure manufacturability or minimize the risks associated with new products transferred to the Commercial Business Group.
- Evaluate equipment and processes for repeatability and make improvements as necessary.
- Investigates, recommends, and justifies new technologies, manufacturing methods and equipment to meet competitive business needs and improve efficiencies.
- Provide technical support to various departments in the Company.
- Develop and run protocols including IQ, OQ, and PQ activities as required.
- Create and revise documents such as Preventative Maintenance, Work Instructions, and Internal Specifications.
- Analyze process outputs using statistical methods to ensure stability.
- Interact with suppliers and obtain quotes as necessary.
- Perform cost analysis, provide budgets, and justify capital expenditures on projects.
- Analyzes and plans work force utilization, space requirements, and workflow, and designs layout of equipment and workspace for maximum efficiency.
- Follows established safety requirements and adheres to Fenner Framework HSE Management System.
- Performs other job related responsibilities as assigned

### **Qualifications:**

- Bachelor's degree in an Engineering discipline
- Experienced in manufacturing/process engineering
- Textile Engineering/Manufacturing background preferred
- Technical project leader able to understand client's needs and how these needs relate to the scope of the project and their effect on other systems.
- Ability to work in a high paced environment with limited direction and a high level of responsibility to meet objectives
- Familiar with ISO 13485, FDA Design Control, CAPA, SCAR, and audit procedures.

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