



**Job Title: Manufacturing Engineer**  
**Reports To: Manufacturing Engineering Manager**

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**Summary of Position:**

Designs, develops, test and evaluates integrated systems for managing and improving industrial production processes including equipment, quality control, facility management, cost analysis and production coordination.

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**Duties and Responsibilities:**

- Utilize lean six sigma principles to determine process standards and to reduce overall inefficiencies in material and labor cost while meeting/exceeding quality and reliability objectives
- Responsible for new product introduction into manufacturing which requires process flow maps, pFMEAs, control plans, tooling and fixturing considerations, making electronic work instructions, verifying BOMs, workstation layout and material presentation
- Reviews released drawings for manufacturability and safety considerations, implements changes in electronic work instructions, process routings, BOMs, tooling and fixturing
- Supports design engineering with design to cost and design to manufacturability exercises in bids, prototypes and existing designs
- Individual will be expected to obtain Lean six sigma greenbelt certification if not already obtained (will be company sponsored). Expected to complete at least two greenbelt projects per year
- Confers with staff and management regarding procedures, product specifications, manufacturing capabilities and project status
- Development and design of prototype tooling fixtures to ensure efficient and safe production
- Reviews production schedules, engineering specifications, and related information to obtain knowledge of manufacturing methods, procedures and activities
- Regularly monitors work areas, examining tools and equipment to detect unsafe conditions or violations of safety rules
- Establishes and maintains effective work relationships with all departments
- All other duties as assigned

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**Core Competencies:**

- Commitment to company values and ethics
- Dependability: personally responsible, completes work in a timely manner, and performs tasks accurately
- Motivation: must maintain a positive attitude and strong work energy.
- Advanced computer proficiency
- Analytical skills: must be able to gather information and use data to determine cause and effect for complex problem solving
- Communication: excellent interpersonal and oral and written communication skills



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**Core Competencies (Continued):**

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- Independent: must have the ability to carry out and follow through on tasks with minimal supervision
- Problem Solving: ability to develop and implement new ideas to improve processes
- Must maintain strict confidentiality and professionalism
- Organization: very detail oriented and always comes prepared
- Time management: ability to organize and manage multiple priorities and effectively deal with tight deadlines and pressure situations

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**Qualifications:**

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To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- This position requires use of information or access to hardware which is subject to the International Traffic in Arms Regulations (ITAR). All applicants must be U.S. persons within the meaning of ITAR. ITAR defines a U.S. person as a U.S. Citizen or a U.S. Permanent Resident (i.e. 'Green Card Holder').

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**Education and/or Experience:**

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- Bachelor of Science degree (B.S.) from four-year college or university in Mechanical, Aerospace, manufacturing or industrial engineering; or eight years related experience and/or training; or equivalent combination of education and experience
- Lean Six Sigma Green belt certification preferred
- Computer Skills; Solid Works, AUTOCAD, Microsoft Office and Outlook

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**Physical Demands/Work Environment:**

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The physical demands and work environment characteristics described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Maneuvers in, around, under, and about factory and/or laboratory equipment on a regular and continuous basis.
- Must be able to lift and carry up to 15 pounds and comply with OSHA standards

While performing the duties of this job, the employee may be regularly required to sit, stand, bend, reach and move about the facility.

The environment characteristic for this position is an office setting. Candidates should be able to adapt to a traditional business environment.