

Manufacturing Engineer Position Description

Department: Engineering	FLSA Status: Exempt
Reports to: Engineering Manager	Date: 05/29/2019

Primary Function:

Provide manufacturing engineering solutions by researching technologies, analyzing inputs, evaluating results and recommending manufacturing plan solutions. Assist with business development opportunities by participating in the development of technical and commercial proposals which includes preliminary project manufacturing plans, schedules as well as recommended manufacturing processes and aids. Evaluation of existing manufacturing processes and developing solutions that improve manufacturing process efficiency and flow.

Essential Duties and Responsibilities:

- Develop/Identify project manufacturing approaches by reviewing project proposals and plans; conferring with production personnel.
- Participate in project planning during the estimating and proposal phase. Assists in development of project manufacturing approaches, schedules and cost estimates by studying project plan and technical specifications; calculating time requirements; sequencing project elements.
- Interprets customer specifications to define requirements for manufacturing planning and design for manufacturability.
- Evaluate existing manufacturing processes and workflows to identify areas that could benefit from changes and improvements.
- Apply working knowledge of component design and assembly to the manufacturing process.
- Create processes and procedures to help the company meet budgetary goals as well as performance quotas
- Assist in the design and development of manufacturing fixtures and mock-ups
- Conduct and coordinate design for manufacturability reviews
- Establish an effective and efficient work sequence
- Devise new solutions to existing manufacturing problems

Promote and actively embrace the concept of professionalism, with an emphasis on quality, commitment, integrity, ingenuity, teamwork, the community and the environment. Safety is a deeply rooted cultural value and it must be promoted and enforced at all times.

Minimum Qualifications/Experience:

Bachelor's degree (B. S.) in manufacturing or mechanical engineering from a four-year college or university and seven years' experience in design and/or manufacturing.

Proficient with computer software including Microsoft Suite.

Other Qualifications:

Experience with CAD programs is highly desired.

Experience in automation and robot programming is desired.

Strong organizational, analytical and communication skills.

Physical Demands:

The physical demands and work environment described here are representative of the conditions 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.

Position requires the employee have the ability to speak and hear clearly. The employee is frequently required to sit for extended periods of time; utilize a computer and keyboard; reach with hands and arms as well as use hands to manipulate, handle, or feel objects. The employee is occasionally required to stand; walk; stoop, kneel, crouch, climb stairs and ladders. The employee must be able to occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus. The job requires occasional overtime.

Work Environment:

While performing the duties of this job, the employee is generally exposed to a normal office environment. The position requires the employee to occasionally be exposed to heavy industrial environment during fabrication shop visits where they may be exposed to eye and noise hazards, powered industrial equipment, as well as hazards associated with moving parts. Employee must be able to maintain situational awareness and wear personal protective equipment necessary to mitigate these hazards (e.g. hearing protection, safety glasses, safety shoes, etc.).