



TITLE: Engineering Manager

DEPARTMENT: Engineering

REPORTING TO: President & CEO

SUMMARY OF POSITION:

The Engineering Manager directs and coordinates all design, research and development engineering activities for Northern Stamping, Inc. The Engineering Manager functions as a member of the senior management staff, directly involved with tactical and strategic business decisions. Works closely with both internal and external sales and marketing personnel to generate new product design and business.

The Engineering Manager is responsible for resources (direct and indirect) related to functional engineering assignments and for the design and development of assigned products through the management of technical professionals.

MAJOR FUNCTIONS AND RESPONSIBILITIES:

- Collaborates with management, production, and sales staff to discuss project specifications and procedures. Consult or negotiate with customers to prepare project specifications.
- Coordinate and direct projects, making detailed plans to accomplish goals and directing the integration of technical activities. Direct and review product design and changes.
- Analyze technology, resource needs, and market demand, to plan and assess the feasibility of projects.
- Review and recommend contracts and cost estimates. As well as present and explain proposals, reports, and findings to customers.
- Prepare budgets, bids, and contracts, and direct the negotiation of contracts with 3rd party vendors.
- Know and apply current Engineering practices in light of Manufacturing and Quality Control considerations. Develop and implement policies, standards and procedures for the engineering work performed in the department.
- Makes decisions about the purchase of materials or services. Direct liaison between vendors and purchasing department when required.
- Manage engineering team; assign, direct, and evaluate their work; and oversee the development and maintenance of team competence.
- Perform administrative functions such as reviewing and writing reports, approving expenditures, enforcing rules.

JOB QUALIFICATIONS AND EDUCATIONAL REQUIREMENTS:

- Bachelors Degree in Mechanical or Industrial Engineering is required, Masters Degree preferred.
- Minimum 7 years experience in engineering, manufacturing and leadership.
- Proven ability with 5+ years of stamping, welding, tooling fixtures and advance automated assembly experience. As well as new tool design and build, including stamping dies and welding fixtures.
- Modeling ability, drafting, 3D parametric design using solids and sheets. As well as analysis ability; linear static, non-linear static, durability simulating using N-Code.
- Strong background with experience in stress analysis, correlating results of analysis to physical tests.
- Creative, outside the box designer, possessing proven experience in estimation and budgeting relating to actual manufacturing costs and processes.
 - Ability to achieve cost savings through customer design or creative re-design.
 - Determine gross material use and or optimization of material through redesign or manufacturing processes
 - Familiarity of tube mill processes, bending, press form, laser cutting optimizing standard sizes.
- Excellent computer skills, including the use CAD software Uni-Graphics, Attair Hyperworks.
- Strong bias for action, with effective verbal and written communication skills along with the ability to motivate and lead others assigned.
- Must have good planning and organizational ability with strong analytical and interpersonal skills.
- A valid driver's license is required.