



Magnetic Technologies, Inc.

JOB DESCRIPTION

Position Title: Senior Manufacturing Engineer
Reports to: Plant Manager
Department: Operations

1. Basic Purpose and Objective of the Position:

Similar to that for Manufacturing/Process Engineer

- Is fully responsible for the management and execution of significant technical projects that have a broad impact to operations.
- Position has greater autonomy in setting of objectives and determination of methodologies to meet product specifications.
- Assist with new product introduction into manufacturing during prototype, pilot production, and volume production.
- Conducts feasibility studies to estimate product cost and justify capital equipment, capacity, and capability requirements affecting the make versus buy decision.
- The Senior Manufacturing Engineer works with Application Engineers to improve product manufacturability
- Support the function of qualifying new vendors.
- May supervise or assist process engineers, assembly supervisor, and production coordinator either formally or informally, as deemed appropriate.

2. Major Responsibilities:

- To lead development, design, validation of existing & new manufacturing & assembly operations that meet objectives for product quality, cost & performance
- Requires highest level of expertise in manufacturing and assembly techniques including use of adhesives, tooling, and specialized processes to lower costs and improve throughput.
- Leads high priority project assignments that are significant in scope and complexity, and is able to prioritize and complete work in a timely manner.
- Ability to effectively lead within a team and cross functionally to expedite completion of critical project tasks.
- Review specifications to improve manufacturability and reduce subjectivity in the interpretation and execution of specifications. Verify/Validate any changes to specifications.
- Perform engineering studies & analyses on existing manufacturing processes to improve process reliability, problem solve, or to improve product quality & cost.
- Train others and communicate effectively with all levels of the organization to implement changes.
- Supervises and/or participates in LEAN Enterprise projects to improve worker productivity, production output, and quality by improving manufacturing systems.

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- Support quality control in deciding the next course of action for product held in material review board.
- Work with suppliers and customers to help define and implement engineering improvement opportunities that support business growth.
- Provide constructive input to the Plant Manager concerning performance reviews of subordinate engineering staff

3. Education & Knowledge Required:

- BS degree in Manufacturing/ Industrial/ or Mechanical field,
- Minimum of 5-7 years line management or supervision experience in a job shop environment.
- Demonstrated ability to innovate and to create highly effective solutions.

4. Nature of Position and Business Environment

Challenge and creativity:

- As a leader, to motivate others to succeed.
- As an engineer, to be an example of the highest professional, ethical and technical standards for other engineers.
- As a teacher, to develop the skills and talents of others in a way that increases their self-esteem and their ability to contribute to the department.
- As a project manager, to effectively and efficiently execute operation initiatives within budget through proactive planning rather than crisis reaction.

Interactions:

- Regular contact and communications with Plant Manager, Quality Control Manager, Applications and Process/Manufacturing Engineers to plan, organize or evaluate resources necessary in the fulfillment of job duties.
- Senior technical role within operation function - expected to initiate and lead technical meetings as necessary.

Business Environment:

- Dynamic, as new processes, materials and equipment are constantly being developed.
- Teamwork is required to achieve goals.

5. Supervision Provided:

Exempt salaried: 0-2
 Hourly: 0-2

6. Organizational Relationships:



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Acknowledgement

I acknowledge that I have read the job description and requirements for the Senior Manufacturing Engineer position and I certify that I can perform these functions.

Applicant Signature

Date

Witness Signature

Date

Management has the right to add or change duties, based on the needs of the business.

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