



Director of Engineering

O*NET Code: 11-9041.00

Architectural and Engineering Managers

LOCATION & DEPARTMENT: Albuquerque, NM or St. Paul, MN
STATUS: Full Time, Benefits Eligible – Exempt/Management First Line
SUPERVISOR: Chief Operating Officer

GENERAL JOB DESCRIPTION

Lead the engineering team to conceive, design, and bring to market, new Additive Manufacturing Systems utilizing Optomec's LENS and Aerosol Jet deposition technologies.

MAJOR RESPONSIBILITIES

- Lead engineering team for new system design, integration and upgrade projects following Product Development phase gates.
- Direct, review, and approve project design changes.
- Oversee processes, layouts, and drawings of parts to be manufactured.
- Drive all root cause / corrective action and continuous improvement activities.
- Estimate and track actuals to budget for all project activities.
- Review and approve work instructions to ensure accurate test specifications, procedures, and objectives.
- Develop or implement policies, standards, or procedures for engineering work.
- Assess project feasibility by analyzing technology, resource needs, or market demand.
- Understand market requirements and how to realize them in a high performance, cost effective, and timely product design.
- Review and approve test documents, maintenance of bill of materials and part tolerances.
- Record test procedures and results, numerical and graphical data, and recommendations for changes in product or test methods.
- Other duties as assigned.

QUALIFICATIONS FOR THE JOB

Education:

- Bachelors of Science degree in Engineering.
- Graduate degree preferred.

Experience:

- >10 years relevant experience designing complex electromechanical systems.
- >10 years management experience.
- Experience working with CAD software, preferably Solidworks.
- Hands on lab and troubleshooting.
- Technical writing skills.

- Communication skills – written and presentation.

Preferred Experience

- New Product Development, manufacturing readiness, and market launch.
- Lean Manufacturing, Design for Manufacturability, Six Sigma, etc.
- Project Management program application.

KEY COMPETENCIES

- Proven results leading teams through complex projects and problems.
- Knowledge and experience with management principles.
- Solid understanding of mechanical engineering discipline.
- Communications; written & presentation.
- Technical writing and/or comprehension.
- Expertise using CAD software, preferably SolidWorks.
- In-depth understanding of AM science and technology.
- Hands-on lab, manufacturing, and troubleshooting.
- Ability to work well as a cross-functional team member.

WORKING CONDITIONS

- Will work in an office setting, manufacturing, lab, and warehouse locations.
- Lab/warehouse environment contains metal powders, chemicals, etc.
- Goggles, masks, etc. must be worn accordingly in labs and designated areas.

PHYSICAL REQUIREMENTS

- Warehouse conditions as applicable.
- Personal protective equipment as required.

PRE-EMPLOYMENT QUALIFICATIONS:

1. All applicants will be required to complete a company **employment application**.
2. Candidates who are offered employment must provide authorization for Optomec to conduct a **background investigation** and verification of **previous employment and education** credentials. An employment start date is contingent upon the return of satisfactory background and verification results.
3. Employment candidates must be authorized to work in the United States and be able to provide adequate proof of documentation as mandated by USCIS I-9 **documentation, within 3 days after hire.** <https://www.uscis.gov/i-9> for more information.

Optomec, Inc. is an Equal Opportunity Employer.

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