Mechanical Design Engineer  
O*Net 17-2141.00

LOCATION/DEPT: St. Paul MN  
STATUS: Full Time, Non-exempt  
SUPERVISOR: Engineering Manager

GENERAL JOB DESCRIPTION

Design and bring to market new Additive Manufacturing solutions utilizing Optomec’s Aerosol Jet technology.

MAJOR RESPONSIBILITIES

• Own the conversion of physics-based solutions to engineering-based hardware that is functional, manufacturable, robust, reliable, and cost effective.
• Work autonomously to create new CAD models of complex components and assemblies.
• Discuss changes with peer in the design of parts and assemblies.
• Initiate and lead design reviews as required.
• Present project status to management and stakeholders.
• Understand MRD requirements and how to realize them in a time effective manner.
• Review and update work instructions, manuals, and other technical documentation as required.
• Ensure compliance with design requirements, tolerances, and specifications.
• Execute engineering change orders in a timely manner with minimal supervision.
• Build bills of materials for Engineering Release and cost rollup purposes.
• Request and consolidate quotes from vendors.
• Support vendors during build of parts that you designed.
• Assemble prototypes, modify parts as required, assist with design verification testing, and generally pitch in where required to create professional quality products.

QUALIFICATIONS FOR THE JOB

Education:

• BS in Engineering from an ABET accredited institution.

Preferred Experience:

• 4 to 40 years of recent experience in a Mechanical Design Engineering position.
• SolidWorks proficiency is a must.
• Capital equipment experience is a plus.
• Proficiency in design elements including: CNC machining of metal and plastic parts, anodizing and other plating processes, sheet metal, O-ring seals, threaded fasteners, tube fittings, electrical cable routing, and ergonomic usability.
• Excellent knowledge of manufacturing practices.
• Proficiency in using MS Office (Word, Excel, PowerPoint, Outlook) suite of software.
• Proficiency in Epicor or other ERP system.

WORKING CONDITIONS

• Will work in an office setting.
• Will assist in lab or manufacturing floor as required.

Salary DOE - Excellent Benefits Package offered

Job Type: Full-time

APPLY on Indeed.com or Submit your resume to:

jhogans@optomec.com and or cconroy@optomec.com

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