Mechanical Designer/Drafter
O*Net code: 17-3013.00

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

GENERAL JOB DESCRIPTION

Design, and bring to market, new Additive Manufacturing Systems utilizing Optomec’s LENS and Aerosol Jet deposition technologies.

MAJOR RESPONSIBILITES

- Work either autonomously or under the direction of a Senior Engineer to create new CAD models and assemblies of complex components and assemblies, and detailed 2D mechanical drawings.
- Discuss changes with peer in the design of parts and assemblies.
- Initiate and lead design reviews 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:
- Mechanical Drafting, Design, and Engineering Technology two-year technical degree or equivalent.

Requirements:
- 3-30 years of recent experience in a designer or drafting level position, with the majority of time spent using SolidWorks.
- 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 mechanical design drafting practices, including full compliance with ASME Standard Y14.5 – 2009 and relevant GD&T standards.
- Proficiency in using of SolidWorks PDM (Basic).
- Proficiency in using MS Office (Word, Excel, PowerPoint, Outlook) suite of software.
- Proficiency in Epicor or other ERP system.
- SolidWorks Certification a plus

WORKING CONDITIONS

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

Optomec, Inc. is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran.