



**Job Title:** Sr. Mechanical Design Engineer (Req #1265)

**Position Location:** Intematix Corporate Headquarters, Fremont, CA

**Reports to:** VP & GM of Lighting Systems

**General Purpose/Objectives:**

Mechanical Design Engineer: Designs and analyzes mechanical systems, equipment and packaging. Conducts feasibility studies and testing on new and modified designs. Directs in the preparation of detailed design, design testing and prototype fabrication.

**Essential Duties and Responsibilities:**

- Design Engineering support for component and system level LED Lighting lamp subsystems.
- Interface directly with customers to receive and provide guidance in design/development
- Utilize strong CAD experience to create 2D and 3D conceptual and detailed proposals and designs of plastic/silicone molded components, stamped metal components, electrical assemblies and interfaces, thermal management systems and wiring harnesses
- Leverage knowledge of molded plastics and stamped metal production processes to direct the design and feature development for low-cost manufacturability (DFM)
- Interface with internal Design and New Product Introduction Teams to determine and confirm the feasibility, cost and timing of technical design propositions for mechanical, thermal, electrical and optical systems
- Develop and manage DFMEA documentation for new product designs
- Document and track all Engineering Changes associated with assigned projects
- Support Business development initiatives by designing new technical concept demonstration properties, in cooperation with strategic marketing and field sales teams
- Support of product management, marketing and engineering in specifying, characterizing and launching new LED Lighting products to ensure customer acceptance and satisfaction

# INTEMATIX

## **Required Qualifications:**

- Bachelors Degree Mechanical Engineering
- 5 years minimum experience designing molded components in 3D CAD environment SolidWorks
- Development of detailed component and assembly drawings with GD&T
- 5 years minimum experience designing parts for lighting applications
- Knowledge in mechanical, optical, thermal or electrical simulation tools
- Solid understanding of tooling structures for plastic injection molded parts
- Excellent problem solving skills
- Independent self-starter
- Excellent English skills and good technical communication skills
- Proficient in use of MS Office Suite

## **Safety Requirements:**

- Must understand and comply with job specific safety requirements.

**Principals only. Send resumes to: [Jobs@intematix.com](mailto:Jobs@intematix.com)**