



## JOB DESCRIPTION

Position: Mechanical Engineer  
Reports to: R/D Engineering

### Job Summary:

**Company:** MacuLogix, Inc. is a medical device company based in Harrisburg, PA. MacuLogix is the only company to equip eye care professionals with the instrument, tools, and education needed to effectively diagnose and treat patients with AMD. By leveraging the science of dark adaptation through its AdaptDx, MacuLogix is working to eliminate preventable blindness caused by AMD, a chronic, progressive disease that impacts over 170 million people worldwide and goes undiagnosed in 25 percent of patients. Through its AdaptDx dark adaptation biomarker, MacuLogix enables eye care professionals to detect, monitor and treat AMD three years before it can be clinically detected.

**Position:** This position is responsible for providing mechanical engineering expertise to support the design and manufacture of electro-mechanical devices at MacuLogix. They are a key member of the product development transition team for product scale up and for implementing best practice engineering concepts.

### Responsibilities:

- Initiates mechanical engineering activities to effectively design and accelerate the effective launch of complex electro-mechanical medical devices.
- Creates and interprets SolidWorks CAD models to define component, product and specification needs
- Supports the company's Quality Assurance activities and policies and proactively ensures regulatory compliance (ISO and FDA)
- Identifies critical component design requirements and inspection plans, assists in developing manufacturing and assembly plans and implementation strategies to ensure design requirements are consistently met
- Evaluates mechanical and electromechanical systems and products, diagnosis product failure points and performs root cause nonconformance analysis.
- Actively participate in project teams representing the engineering department, ensures project schedules and objectives are met
- Contributes to define and establish in-process work instructions and test plans. Assists in the development and execution of process and product validations.
- Work with the Quality Assurance team to ensure that all components, design, and products meet or exceed customer expectations with a high level of reliability and consistency.
- Proactively identify assembly and production related issues and implement timely solutions related to product design and manufacturing
- Assures system and product reliability by analyzing product design and establishing effective test plans and test methods
- Identify tooling, equipment and fixturing needs to create or improve manufacturing processes to ensure product performance
- Design manufacturing fixtures and process equipment required to test and assemble the product
- Identify and implement engineering design changes as required



**Experience:**

- 5 years experience with electro-mechanical design
- Proficient SolidWorks 3D CAD
- Self-starter and with the ability to work well in a start-up environment
- Experience with IPC-J-STD-001 and/or IPC-A-610 a plus
- Experience in a regulated industry a plus (ISO, Medical Device, Aerospace)

**Education:**

- Bachelor's degree or equivalent experience. Mechanical, Electrical, or Industrial Engineering preferred

**This Job Description has been approved by:**

VP of Department: \_\_\_\_\_ Date: \_\_\_\_\_

Direct Supervisor: \_\_\_\_\_ Date: \_\_\_\_\_

Human Resources: \_\_\_\_\_ Date: \_\_\_\_\_

