



## **Mechanical/Optical Engineer**

**Location:** San Diego, CA, US

**Level of Experience:** 5 years of Experience

**Reports to:** Engineering Manager

**FLSA Status:** Exempt

**Summary/Objective:** Innovative and detail-oriented Mechanical/Optical Engineer with expertise in designing and developing advanced mechanical systems and optical components. Responsible for integrating mechanical and optical engineering principles to create high-performance products. Proven ability to manage projects from concept to production, conduct rigorous testing, and ensure compliance with industry standards. Strong collaborator with excellent problem-solving skills, committed to advancing technology and meeting customer needs.

### **Top 3 job expectations:**

1. Innovative design and development.
2. Performance and compliance.
3. Perform tests safely according to instructions.

### **Duties include, but are not limited to:**

- Lead the design and development of mechanical systems and components incorporating glass materials, ensuring designs meet functional and aesthetic requirements.
- Integrate aerospace engineering principles with optometry needs to ensure product functionality, durability, and performance under various conditions.
- Develop and execute testing protocols to validate optometrist products' performance; analyze test data and refine designs accordingly.
- Collaborate with engineers, product managers, stakeholders and customers to ensure glass components meet project goals and customer requirements.
- Stay updated on advancements in aerospace and optometry to integrate new technologies and methods into product development.
- Ensure products comply with relevant regulatory standards and industry best practices for safety, performance, and reliability.



- Create and maintain detailed documentation for design processes, testing procedures, and product specifications.
- Resolve technical challenges throughout the product lifecycle, from concept to production.
- Select glass materials based on mechanical properties, durability, and environmental conditions, and stay informed about advancements in glass technology.
- Anticipate future engineering needs and modifications required to achieve technical goals.
- Conduct tasks in a safe manner that are in accordance with Company safety policies and procedures.
- Maintain strict confidentiality of sensitive information.
- Work safely in accordance with established procedures and practices.

*Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

**Education / Experience Required:**

- Bachelor's degree in Aerospace Engineering, Mechanical Engineering, Optical Engineering, Physics or a related field.
- Experience in aerospace engineering, with a focus on optical systems or similar technologies. Experience with optometrist products is highly desirable.
- Familiarity with optics assembly techniques for space-based optical systems.
- Fully proficient in MS Office (Word, Excel, PowerPoint, Access and Outlook).

**Skills:**

- Strong communication, presentation, and interpersonal skills are required enabling an effective interface with other departments and/or professionals, and capable of representing the organization as a prime technical contact, as well as providing leadership and guidance to less experienced professionals.
- Customer focused, formulates plans based on the development of innovative new designs in resolving advanced technical engineering problems.
- Must be able to work both independently and in a team environment.



## Competencies:

- **Integrity** – Do the right thing. Interacting with others in a way that gives them confidence in one’s intentions and those of the company.
- **Engagement** – Using appropriate interpersonal and influence styles and methods to help reach goals while considering the needs and potential contributions of others.
- **Initiating Action** – Taking prompt action to achieve goals/objectives beyond what is required; being proactive.
- **Civility** – Treat others as you would like to be treated, with dignity and respect; remember to welcome new employees, you were new at one time too, communication with others should be positive and should never be belittling or hurtful.
- **Analytics** – Possess the ability to collect and analyze information, problem-solve, and make decisions, logical reasoning, critical thinking, communication, research, data analysis and creativity.
- **Decision Making** – Identifying and understanding issues, problems and opportunities; comparing data from difference sources to draw conclusions; using effective approaches for choosing a course of action or developing appropriate solutions; taking action that is consistent with available facts, constraints and probably consequences.
- **Managing Conflict** – Dealing effectively with others in an antagonistic situation; using appropriate interpersonal styles and methods to reduce tension or conflict between two or more people.
- **Communicate** – Effectively listen, speak, observe and empathize. Understand the differences in how to communicate through face-to-face interactions, phone conversations and digital communications.

**Position Type/Expected Hours of Work:** This position is classified as an exempt role under the Fair Labor Standards Act (FLSA). As such, it is not eligible for overtime pay and may require flexibility in working hours to meet job responsibilities.

**Work Environment:** The work environment combines office settings with hands-on activities on the manufacturing floor and production facility.

**Physical Demands:** This role requires sitting at a desk and working on a computer 75% of the time. It may involve carrying objects up to 50 lbs., as well as frequent standing, walking, reaching, and manual dexterity. Strong analytical and organizational skills are needed, along with the use of safety and personal protective equipment on the production floor.

**Travel:** This position may require the ability to travel.

**Other Duties:** Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the



employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.

**AAP/EEO Statement:** Rayotek Scientific LLC, 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 status, protected veteran status, or any other characteristic protected by applicable state or federal law.

**Acknowledgement**

This job description has been approved by all levels of management:

Manager \_\_\_\_\_ Date: \_\_\_\_\_

HR Manager \_\_\_\_\_ Date: \_\_\_\_\_

The employee signature below constitutes the employee’s understanding of the requirements, essential functions and duties of the position.

Employee \_\_\_\_\_ Date \_\_\_\_\_