

## Mechanical Engineer Job Description

### Summary

Circle Optics is seeking an experienced Mechanical Engineer to design opto-mechanical and electro-mechanical components and assembly fixtures. On-site presence required as needed with remote possibilities. For more information or to apply please email us at [admin@circleoptics.com](mailto:admin@circleoptics.com).

### Required Skills

- Tolerance analysis
- Design for manufacturability
- Effective communication with vendors throughout quoting, fabrication, and quality control
- Problem solving capabilities such as root cause analysis
- Ability to work as an individual and in a team setting

### Desired Skills

- Opto-mechanical product design engineering and detailing
- Hands-on experience with assembly and testing of fixtures and prototypes
- Experience using Solidworks for design and production drawings
- Experience with vibration attenuation or aerospace design
- Experience with kinematics constraints and exact-constraint design
- Thermal analysis and thermal management
- Group leadership experience
- Experience with Government/Defense projects

### Candidate Requirements

- Bachelor's Degree or higher in Mechanical Engineering
- Five or more years of Mechanical Engineering experience designing, building, and testing mechanical solutions for product development
- Proficiency with using 3D Modeling Software
- Must be legally authorized to work in the US

### About the Company

Circle Optics develops high-fidelity, panoramic imaging systems for aerospace, robotics, and immersive media applications. Our patented technology eliminates the need for time-consuming, error-prone, and expensive "stitching" process that is required by other multicamera systems. This breakthrough will result in cost reduction for the many high-resolution video applications needed in the aerospace and defense industries. Circle Optics is headquartered in Rochester, NY, and maintains a satellite office in Syracuse, NY.