



Job Title: Senior Opto-Mechanical Engineer

Location: Rochester, NY

Company Overview:

Lumetrics develops and manufactures precision non-contact thickness measurement and optical inspection systems and Shack-Hartmann wavefront sensors for a variety of markets including ophthalmic, medical balloons & tubing, automotive, and laminated glass, AR/VR and beyond. Our OptiGauge and Lumetrics Wavefront Sensor (LWS) family of products provides precision thickness measurement technology, which is fast, accurate, flexible, and scalable to most QA laboratories, R&D centers, or production lines.

This position is an on-site, full-time role.

Salary Range: \$90,000 - \$162,000 per year

Essential job functions include, but not limited to, the following:

- Work primarily on advancing government contracts related to the measurement of transparent armor, and the design of related equipment
- Use electrical, optical, and mechanical engineering principles to design complex automated instruments
- Create solid models, drawings, and BOMs using SolidWorks
- Use GD&T and other industry standards during design
- Act as the primary technical liaison for customers, translating their needs into actionable engineering developments.
- Build, test and verify mechanical, optical, and electronics assemblies
- Obtain parts quotes and qualify vendors
- Complete multiple concurrent technical projects on time
- Write procedures, manuals, user requirements, design specifications, and other project documentation
- Become a key stakeholder in the transfer of new products to the manufacturing department by standardizing mechanical layouts, creating clear build guides, and creating structural documentation for new products
- Use best engineering practices to reduce the BOM cost of prototypes when transferring to manufacturing
- Travel domestically and internationally for new project installations or existing equipment support
- Occasionally work "international" hours for customers in different time zones
- Support the manufacturing department as required
- Participate in company strategy meetings, as required

Qualifications:

- BS or higher in Mechanical Engineering or related field
- 8-10 years engineering experience, preferably in optics, metrology, or automation
- Experience with design and fabrication of machined and sheet metal components

- Mastery of SolidWorks
- Experience with 3D printing (FDM, MSLA)
- Experience with freespace optomechanical design with a focus on robust shippable products
- Familiarity with Matlab, LabView, and other technical applications
- Candidate should be self-motivated, conscientious, pay extreme attention to detail, exhibit strong observational, listening and public speaking skills, and possess excellent writing skills

This position requires in-office presence and does not offer a relocation package. In compliance with pay transparency requirements, the salary range for this role is \$90,000 – \$162,000. This is not a guarantee of compensation or salary, as final offer amount may vary based on factors including but not limited to experience.

Lumetrics is proud to be an equal opportunity employer and makes employment decisions based on current need and merit. 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. Lumetrics is committed to treating all employees and applicants for employment with respect and dignity and maintaining a workplace that is free from unlawful discrimination. Lumetrics is an E-Verify Employer.