Job Title: Principal Opto-Mechanical Engineer  
Location: Rochester, NY

Company Overview:
Lumetrics develops and manufactures precision non-contact thickness measurement and optical inspection systems for medical, glass, food packaging, ophthalmic, automotive, and film industries. Our precision thickness measurement technology is fast, accurate, flexible, and scalable to most QA laboratories, R&D centers, or production lines.

To meet the demands of the business, Lumetrics is seeking a qualified individual to join the Opto-Mechanical Engineering department. This position will report to the President.

Essential job functions are listed below and are subject to change depending on the company’s needs:

- Oversee operations of the Opto-Mechanical Engineering department
- Use electro-opto-mechanical engineering principles to design complex automated instruments
- Create solid models, drawings, and BOM’s using SolidWorks
- Use GD&T and other industry standards during design
- Establish rapport with customers and assist with project/product development
- Build, test and verify mechanical, optical, and electronics assemblies
- Obtain parts quotes and qualify vendors
- Complete multiple concurrent technical projects on time
- Project management
- Develop project quotes and timelines
- Write procedures, manuals, user requirements, design specifications, and other project documentation
- Troubleshoot, diagnose, and resolve customer service issues
- Travel domestically and internationally for new project installations or existing equipment support
- Occasionally work “international” hours for customers in different time zones
- Measure customer samples and lead product demonstrations to prove instrument capabilities
- Support the Sales, Production, R&D, and Finance departments, as required
- Participate in company strategy meetings, as required

Qualifications:

- BS or higher in Mechanical Engineering or related field
- 3-8 years engineering experience, preferably in optics, metrology, or automation
- Experience with design and fabrication of machined and sheet metal components
- Expert with Microsoft Office, especially Microsoft Excel (creating macros, VBA scripts)
- Expert with SolidWorks 2013 or other major recent CAD package
- Experience with Matlab, LabView, and other technical applications
- Expert user with Windows-based PCs
- Candidate should be self-motivated, conscientious, pay extreme attention to detail, exhibit strong observational, listening and public speaking skills, and possess excellent writing skills.

The above description and statements are intended to describe the general nature and level of work being performed in this position. This is not a complete list of all responsibilities, duties, and skills required. All personnel may occasionally be required to perform duties outside of their responsibilities.