

Title: Senior Optical System Engineer

Duties and Responsibilities:

1. **Optical design using lens design software and modeling.**
2. **Practical system design for high-end products.**
3. **Support of opto-mechanical design.**
4. **Specification and vendor interaction for special custom optical components.**
5. **Hands-on lab work for testing and verification of new designs.**
6. **Manufacturing support and trouble-shooting.**

Requirements and Qualifications:

- **PhD in optical sciences/engineering or related field, or MS degree with 5 years of professional experience.**
- **Good analytical skills and mathematical understanding.**
- **Hands-on experience in the optics lab.**
- **Experience with Zemax optical design software.**
- **Experience with mathematical software such as Matlab/Octave or Scipy/Numpy.**
- **Experience in C++ and C# would be a plus.**
- **Ability to work self-directed as well as a team member**
- **Good communication skills and experience with MS Office applications.**

InterOptics LLC is a privately-owned, customer-focused company specializing in designing, engineering, and manufacturing optical metrology instrument systems for a wide variety of applications, including optical component and system manufacturing, high-precision mechanical component manufacturing, quality assurance, and R&D functions, specifically to technology industries that manufacture or use precision surfaces, such as computer disks, optical components, laser mirrors, polished ceramic valves, and bare silicon wafers.

The company maintains its own 18,000 square foot facility in Tucson, Arizona that contains office, lab, engineering, and manufacturing spaces, utilizing a vertically-integrated approach to achieving its goal of providing low-cost, high-value instrumentation to a market typically served by products offered at significantly higher cost.

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