



## ***The Mid-IR Fiber Devices Company***

**Position:** Research Engineer / Mid-IR fiber product

**Immediate superior:** Program Manager (subject to change on notice of the company)

**Summary:** The Research engineer has a strong optical, electrical, and engineering background to serve on a number of R&D and production projects related to the design, development, production, packaging and characterization of the company fiber-optic devices.

### **Responsibilities and tasks:**

- Collaborate in the optical, mechanical, and electrical design, development, production and packaging of the company fiber devices.
- Use customized equipment and devices for the test and measurement, fiber cable assembly, splicing equipment.
- Implement control systems and data acquisition software.
- Follow precisely the standards and procedures for the production and assembly of the company fiber devices.
- Improve production processes and optimize the performance of equipment.
- Produce and/or collect reports and documents to ensure production control, planning and monitoring.
- Define, schedule and establish normal and preventive maintenance and calibration of all equipment and apparatus used for test & measurement and the development and production of fiber devices.
- Ensure calibration of equipment and other apparatus used for fiber test and measurement and fiber devices production.

*The list of responsibilities and tasks listed above is summarized and not limitative. This is not a complete and detailed list of responsibilities and tasks that may be performed by the incumbent.*

### **Knowledge, skills and abilities required:**

- B.S. degree or M.S. in optics, electrical engineering, physics, or equivalent with a focus in fiber optics/photonics.
- Minimum of three years of relevant hands-on or laboratory experience in high-tech facility on a variety of optical devices and their design, fabrication, characterization, calibration, testing and data analysis techniques (preferably post-baccalaureate).
- Optics setup experience desired (fiber optics, bulk optics, electro-optics, laser).
- Excellent trouble-shooting skills.
- Well structured, organized and clean.
- Demonstrated experience working with a variety of computer software applications, such as MS Office, NI LabView, 3D CAD, etc.
- Desired areas of expertise include: Matlab, fiber and optical design.
- Voice opinions in a constructive manner, good verbal and written communication skills.
- Enthusiastic with the willingness to learn.
- Strong team player but also able to work in a self-directed manner.

***Due to the nature of our work in the government contract research area, U.S. Citizenship or permanent resident status is a firm requirement.***

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