1750 Kraft Drive, Suite 1125
Blacksburg, VA 24060
hr@sentekinstrument.com

SENTEK
INSTRUMENT LLC

Engineering Technician

Optical Sensors & Instrumentation

Sentek Instrument LLC | Blacksburg, VA
Full-Time | On-Site

Sentek Instrument develops advanced **fiber-optic sensors and instrumentation systems** for aerospace, oil & gas, chemical processing, semiconductor and other demanding industrial applications. We are looking for a hands-on **Engineering Technician** to help assemble, test, and integrate our precision sensors and electronic instruments.

What You'll Do

- Assemble and inspect **small precision components under a microscope**
- Handle and assemble optical fibers and fiber-optic components
- Perform **electronic soldering, wiring, and PCB assembly/rework**
- Assemble sensors, cables, electronics, and complete instruments
- Assist with instrument integration, testing, calibration, and troubleshooting
- Use laboratory equipment such as multimeters, oscilloscopes, and optical test equipment
- Assist engineers with prototypes, experiments, and product development
- Maintain **component inventory**, including receiving, labeling, organizing, and tracking parts
- Maintain accurate assembly and test records

What We're Looking For

Required:

- Good small-part manipulation and hand-eye coordination
- Experience with **microscope-based assembly or inspection**
- Good **electronic soldering skills**
- Ability to follow detailed drawings, instructions, and procedures
- Strong attention to detail and workmanship
- Basic computer skills
- Ability and willingness to learn

Preferred:

- Experience with optical fibers or fiber-optic components
- PCB assembly or electronic repair
- Precision mechanical assembly
- Laboratory instruments
- Technical training in electronics, engineering technology, mechatronics, optics/photonics, or a related field

The Ideal Candidate

We are looking for someone who is **careful, practical, mechanically and electronically inclined, curious, and eager to learn**.

You do not need to be an expert in fiber optics or sensors when you start. We can provide training in our specific technologies and processes. What matters most is that you can work carefully with small components, follow procedures, recognize when something is not right, troubleshoot problems, and take pride in building a high-quality product.

The position is particularly well suited to someone who enjoys **hands-on technical work** rather than spending most of the day at a computer.

Education & Experience

A high school diploma or equivalent is preferred. Technical school, an associate degree, or coursework in electronics, electrical engineering technology, mechanical engineering technology, mechatronics, optics/photonics, or a related field is a plus.

Relevant hands-on experience can substitute for formal education.

We are especially interested in candidates who can demonstrate strong practical skills in electronics, precision assembly, optical work, instrumentation, or related technical areas.

Why Join Sentek?

Sentek is a small, technology-driven company developing sensors that operate in some of the world's most demanding environments—including very high temperatures, high pressures, corrosive environments, and harsh industrial systems**.**

You will work directly with engineers and have the opportunity to contribute to the development and production of advanced optical sensing technology.

How to Apply

Please submit your resume along with a cover letter to hr@sentekinstrument.com.