

## **Ion Source Product Engineer Position at Oregon Physics**

### **Job Description**

Oregon Physics is a small volume manufacturer of ion and electron beam systems used for scientific and industrial applications. Oregon Physics' new Hyperion II Dual Polarity Ion Source is a state-of-the-art, industry-leading product for secondary ion mass spectrometry. Oregon Physics is looking for a full-time Product Engineer for the Hyperion II Ion Source whose responsibilities will be to:

- Become an expert on the operation and testing of the Hyperion ion source.
- Coordinate the factory acceptance testing of new ion sources.
- Develop and document improved test procedures for new ion sources.
- Install new ion sources on customers' instruments while providing high quality service.
- Troubleshoot technical and performance issues related to ion sources on customer systems.
- Provide in-field technical assistance and training to customers.
- Demonstrate ion source performance to specifications on customer instruments.
- Be able to travel globally up to 25 % of the time.
- Assist scientists at Oregon Physics with developing and testing new products.

### **Position Requirements**

- Undergraduate technical degree such as mechanical, industrial, electrical, or computer engineering.
- Five or more years of relevant experience may be substituted for a technical degree.
- Experience with commercial SIMS systems such as instruments from Cameca, ION-TOF, and PHI-Ulvac. Experience should include servicing of instruments as well as operating instruments.
- Strong component- and system-level troubleshooting skills.
- Experience providing high quality field service in difficult customer environments.
- Strong technical understanding of modern SIMS instruments and associated technology.
- Strong communication and customer service skills.

### **Preferred Experience**

- Ten years or more experience as a field service engineer for SIMS instrumentation.
- Experience maintaining and operating a variety of SIMS instruments from Cameca, ION-TOF, and PHI-Ulvac.
- High level knowledge of laboratory practices involving vacuum systems, high voltage systems, RF power, AC power systems, and pressurized gas systems.
- Knowledge of basic electronics including safe practices, electronics trouble shooting, reading circuit diagrams, and soldering.
- Experience with focused ion beam system and dual beam systems from Zeiss, FEI or Tescan.

### **Benefits**

- Medical/dental Insurance Plan
- Sick leave
- Vacation leave
- 401(k) retirement plan with employer match

Please contact [jobs@oregon-physics.com](mailto:jobs@oregon-physics.com) with questions or resumes.