

930 - Seniors Applications Engineer

Location - Portland, OR Area

Position Overview:

This senior level technologist will provide key interface and solutions in addressing customer technical issues and needs. Initial focus will concentrate on advanced application of remote plasma and power equipment (e.g., DC, RF, and microwave) along with pressure and flow measurement and control products.

Responsibilities:

- Develop and deliver presentations on process applications.
- Work with customers to identify and resolve product application issues.
- Visit customers to obtain first-hand knowledge of process tools and applications
- Act as a senior level technical consultant and advise our customers on how to best apply products to meet their needs and solve their problems.
- Interact cross-functionally with factory engineering, product management, and sales to satisfy customer needs.
- Maintain strong knowledge of competitors and competitive activity.
- Investigate new and emerging technologies that have been determined to meet company goals and provide the necessary information to marketing and engineering.
- Travel to customer sites and company facilities worldwide.

Qualifications:

- Engineering degree with 8+ years of experience in the area of semiconductor capital equipment. Understanding of semiconductor and manufacturing processes.
- Proven track record in effective customer interactions in semiconductor or manufacturing.
- Demonstrated ability to troubleshoot complex equipment containing mechanical, electrical, and software components and communicate identified problems
- Ability to collect/organize/ and effectively use data pertinent to the analysis of field issues.
- Must be proficient in using basic laboratory tools, such as data acquisition system, oscilloscope, etc.
- Understanding fundamental analog and digital circuits.

- Familiar with DOE or other statistical tools in process development.
- Plasma, RF, power supply and vacuum technology experience.
- Understanding of the effects of flow and pressure on process.
- Proficient in using productivity enhancing tools, such as laptop and all Office software.
- Must have solid communication skills involving English, Mandarin or Korean a plus

Preferred Qualifications:

- Fundamental understanding of vacuum science
- Understanding of fundamentals (basic design and operation) of flow and pressure measurement system and instrumentation is very useful.
- Ability with any basic CAD tools very desirable.
- Familiar with real-time control theory and practices.
- Ability to provide market intelligence related to the new emerging technology and competitive activities.