

Applications Engineer

Department: R&D, Applications Lab
Supervisor's Title: Manager, R&D and Application Lab

Position Summary:

The Application Engineer actively drives plasma-based technology evaluations for clients working in conjunction with the Sales & Business Development team. This position serves as the sales team's technical advisor and product advocate by providing technical solutions that achieve customer satisfaction throughout the sales process. The Application Engineer should maintain a comprehensive understanding of company products, related applications, and technology implementation. In addition, applicants should hold a broad knowledge of general industrial processes and equipment used in the formation or assembly of materials and products. Applicants should be self-motivated, be prepared to actively drive multiple projects toward timely completion and have a strong desire to contribute in a team environment.

Responsibilities:

- Process development of thin films using Plasma Enhanced Chemical Vapor Deposition (PECVD) methods under atmospheric and low pressure (vacuum) plasmas
- Perform R&D experiments
- Collect, analyze, and present experimental data
- Participate and support other engineers and the Sales team on relevant development projects
- Maintain expert level understanding of product technology, product positioning and technical applications.
- The Applications Engineer is expected to understand, use, and run advanced PECVD tools, vacuum equipment, and metrology tools: optical microscopes, mechanical testers, etc.

Minimum Qualifications:

- Bachelor's degree in Engineering, Material Science, Physics, or Chemistry with 0 - 5 years of experience preferably in materials engineering
- Experience with materials characterization equipment
- Strong project and lab management skills
- Good communication (written and verbal), teamwork, and organizational skills.
- Can Do attitude
- Hands-on experience

- Applicant must be authorized to work in the U.S. and not require sponsorship for employment.
- ONLY local applicants will be considered for this position.

Desirable Qualifications:

- Master's degree in Engineering, Materials or Chemistry
- Experience in materials selection, surface characterization or surface modification
- Familiar with robot programming
- Excellent communication and technical writing skills

Working Conditions:

- Primarily in a lab or manufacturing environment
- Some travel (<20%), both domestic and international
- Working with gases, chemicals and robotic systems
- Must be able to lift 50 lbs

The above statements are intended to describe the general nature and level of work being performed. They are not intended to be construed, as an exhaustive list of all responsibilities, duties and skills required of personnel so classified. They are representative to those knowledge, skills, and abilities that must be met by an employee to successfully perform the essential functions of this job.

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