



JOB DESCRIPTION: SENIOR R&D / APPLICATIONS ENGINEER

APPLICANT MUST BE A US CITIZEN AND ELIGIBLE FOR A MILITARY SECURITY CLEARANCE

We are looking for an experienced engineer to manage the development of a proprietary coating technology for a commercial application. You will be working closely with internal staff and external customers to develop working product prototypes. You will also need to scale up our coating technology to meet the size and volume demands of the end customer. This is a unique opportunity to commercialize an exciting new technology for a novel application within a dynamic small company environment.

Primary responsibilities will be to:

- Provide hands-on reduction to practice for all aspects of the technical development of the application, including scale-up of the coating technology, experiment plan, product design, prototype production, and reporting requirements.
- Follow existing and develop additional experimental plans to achieve project goals, including design-of-experiment (DOE) matrices, milestones, budget, timing, and resource allocation.
- Conduct (and supervise, if necessary) all lab work and analytical and performance testing, and interpret data and results. Experience with analytical methods such as SEM, AFM, and XPS, preferably with the ability to perform one or more of these methods.
- Make recommendations and set new directions for the project based on data, test results, and feedback from our customers/partners.
- Prepare written reports to satisfy customer requirements and maintain project funding status. Assist in the preparation of follow-on or new funding proposals. Excellent technical writing skills are mandatory.
- Manage a junior engineering staff and technicians (as required).

Applicants should be detail-oriented, effective at planning and organizing, self-motivated, and result-driven. In addition, applicant should possess the following qualities:

- Direct experience in materials development or vacuum technology (deposition, etching, sputtering) - preferably both
- Hands-on: this is a dynamic, small-company environment which requires hands-on involvement in all aspects of the project.
- Excellent project coordination: able to predict project scope accurately, manage resources (including your own time), and deliver on-time and under budget.
- Excellent communication skills: frequent, well-written reports will be essential to communicating project success quickly and efficiently.

Applicants must be comfortable with the dynamic culture of a small, team-oriented growth company. Applicants will need to work independently but not alone, as much of the work will require collaboration and communication with many people, both inside and outside the company.

Requirements: US Citizens ONLY. No H1B, F1 or other visa candidates will be considered.

Applicant must have an M.S. or PhD in Engineering (Chemical, Materials Science) or related field and 2-8 years of experience in R&D, product development, applications development, with some project management exposure.