Thin Film Engineer - SAN JOSE, CA / BATTERY / FULL TIME

We need highly talented and enthusiastic minds to join our mission to help transform electric mobility, energy storage, and sustainable manufacturing- for a healthier planet.

**Job Description**

The Thin Film Engineer role will be responsible for generating and characterizing electrochemically active films and layers within Li-ion battery systems. This engineering position will develop deposition methods and solve interface issues across a variety of film compositions and chemical environments. This role will offer the opportunity to work at the intersection of several fields – materials science, electrochemistry, surface science, corrosion engineering, and chemical analysis – and grow their skills alongside a team of materials science experts.

Please note: Work is expected to be completed on-site, and employees are expected to comply with local and state regulations concerning the COVID-19 pandemic, including wearing a mask on-site, maintaining social distance, reporting symptoms, taking sick leave when necessary, and ensuring a clean and safe working environment.

**Responsibilities**

· Apply technical domain knowledge and hands-on lab work to develop materials and formulations that solve technical challenges across multiple materials processing techniques.

· Characterize materials and composites, interpret data, and present results on a regular cadence to colleagues and management.

· Research, identify, and disclose new materials, formulations, technologies, and/or processes to expand company’s IP portfolio.

· Write SOPs and maintain clear, consistent documentation of preparations, formulations, and other technical information.

**Benefits**

As a team member, you'll enjoy:

• Comprehensive benefits package including medical, dental, vision, and life insurance

• 4 weeks of paid time off

• Stock options

• Career development

• Company provided meals, snacks, and drinks

**Qualifications and Skills**

· Degree in Materials Science, Chemical Engineering, Chemistry, or related field.

· Industrial experience: 5+ years BS, 2+ years MS, 0+ years PhD.

· Knowledge of several materials deposition approaches, from the simple (e.g. spin coating, casting) to the complex (e.g. PVD, CVD, sputtering, ALD), and significant expertise in at least one.

· Experience in thin film/surface characterization and analysis methods and concepts (surface roughness measurements, interferometry, FTIR, X-ray spectroscopy).

· Familiar with vacuum processes and processing.

· Demonstrated ability to propose, design, and execute R&D experiments and test plans, ultimately driving them to success against defined performance specifications.

· Excellent documentation and communication skills.

· A collaborative mindset, ability to present data to colleagues in a concise/convincing manner, and a pragmatic, results-based approach to scientific research.

· Deposition of lithium and characterization/behavior of the resulting films

· Deposition of protective coatings or passivating layers

· Mixed-oxide systems and coatings thereof

**Equal Opportunity**

Equal opportunity employer and complies with all applicable federal, state, and local fair employment practices laws. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, ancestry, sex, sexual orientation, gender, gender expression, gender identity, genetic information or characteristics, physical or mental disability, marital/domestic partner status, age, military/veteran status, medical condition, or any other characteristic protected by law.