

Materials Process Engineer

Ion Storage Systems seeks a Materials Process Engineer for next generation battery material development. The Materials Process Engineer will produce materials for internal customers, perform continuous improvement and scale manufacturing of solid state electrolytes. Tasks will include hands-on materials processing, characterization of process control, documentation, and data collection, analysis and reporting. Experience in industrial process engineering is required. The Materials Process Engineer will work closely with other engineers and scientists as part of a fast-moving, cross-functional R&D team.

Ion Storage Systems is a rapidly growing, start-up company developing breakthrough lithium battery technology based on discoveries made at The University of Maryland. The company is committed to developing products that improve product performance and safety in a variety of applications including electronics, transportation and storage. The company offers an inclusive environment and encourages work/life balance. Ion Storage Systems is based in College Park, Maryland which is part of the vibrant, urban Washington, D.C. area within a short drive from recreational opportunities in Western Maryland, Northwestern Virginia and West Virginia.

Key Responsibilities:

- Perform all work in adherence to company environmental, health and safety guidelines and maintain cleanliness of work areas
- Implement engineering tests, collect data, analyze and compile reports on manufacturing processes for electrolyte processing
- Develop and validate improvements on a range of processes, primarily involving ceramic/inorganic materials, leading to robust processes for commercial scale production
- Develop and implement quality control techniques
- Fabricate and deliver materials and components for internal customers
- Specify and qualify process equipment
- Write and maintain Standard Operating Procedures and batch records

Required Qualifications:

- MS or BS in Material Science, Chemical Engineering, Mechanical Engineering, Physics, Chemistry, or related field and a minimum of 2 years experience in industrial materials process engineering
- Proficiency in Minitab, JMP or equivalent statistical analysis package
- Understanding of six sigma/lean principles
- Ability to clearly and effectively communicate in writing and orally

Preferred Qualifications:

- Experience with ceramic, semiconductor, biomedical device, or aerospace component manufacturing highly desired.
- Demonstrated track record of complex process problem solving

- Familiarity with common root cause analysis, FMEA, etc.
- Excellent organizational skills

Special Working Conditions:

- Occasional travel may be necessary for program reviews, vendor visits, etc.

Reply to: jobs@ionstoragesystems.com

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