



Battery Resources (BR) is an integrated lithium-ion battery materials and recycling company, currently transitioning its core technology from pilot to full commercial scale. BR is poised to revolutionize the battery industry with its patented technology enabling the recycling of end of life and scrap Li-ion batteries into new materials for direct reuse in the manufacture of new lithium-ion batteries.

**Job Description:** Battery Resources is the most technically advanced Li-ion battery recycling company. The Senior Sintering Engineer reports to the CTO or the VP of Cathode Development. In such position, the Employee shall be responsible for the Company's next generation of ultra high quality cathode materials sourced from recycled materials, specifically the sintering of new cathode products produced from precursors generated from spent lithium ion batteries.

### **Primary duties**

- Develop sintering profiles for high nickel NMC
- Lead the transition of sintering profiles from box scale lab furnaces to RHks
- Working with other members of the engineering team to provide quality control on the incoming solution for NMC precursor synthesis and outgoing NMC cathode material
- Establish heat treatment profiles for coating processes
- Establish quality controls for cathode sintering, coating and sizing
- Working with product development team to ensure the material meets customer specifications and is of the highest quality with zero defects

Additional duties, authority, and responsibilities may be determined from time to time by the CTO, as consistent with the Employee's position. The Employee shall use their reasonable best efforts, judgment, and energy to improve and advance the business and interest of the Company in a manner consistent with the duties of his position and with the Company's ethical, legal, and professional standards.

**Education:** BS in Chemical, Mechanical or Materials Engineering



**Experience:** 5-7 years industry experience directly working on cathode materials in qualification or development required

**Skills:**

- Demonstrated expertise with complex materials engineering solutions
- Knowledge of current state of the art lithium-ion battery material production process
- Experience with cathode materials COA formulation and evaluation
- Sound understanding of electrochemical processes in lithium-ion batteries
- Understanding of standardized cell test methodologies.
- Advanced knowledge of solid-state physics and chemistry
- Detailed record keeping and statistical analysis
- High sense of responsibility, excellent coordination ability, communication ability and overall management ability, strong pressure resistance ability
- Using MS Office tools like Word, EXCEL, Outlook, Project
- Fluency in English

**Compensation:** \$110,000 - \$120,000/yr DOE, + bonus, standard benefits including health, dental, vision, 401k, etc

**This position is located in the greater Detroit area.**

**Please send application materials to: [egratz@batteryresourcers.com](mailto:egratz@batteryresourcers.com)**