



Natron Energy

Natron Energy, Inc.
3542 Bassett Street
Santa Clara, CA 95054
<http://natron.energy>

Senior Manufacturing Engineer

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Natron Energy is a battery technology start-up company based in Santa Clara, California. Natron is developing a completely new battery that has higher power, longer cycle life, and lower cost than existing batteries. Natron's batteries offer extremely high performance for stationary applications requiring short durations of high power and long deep-discharge cycle life. Natron is backed by five leading venture capital and strategic investors and has received support from ARPA-E.

Natron is seeking a Manufacturing Engineer to support the upgrade and ramp up of its battery cell pilot line in Santa Clara. Critical activities include process development, yield improvement, troubleshooting, introducing and qualifying new processes and equipment, determining robust operating conditions for all processes to facilitate transfer to contract manufacturers, and assisting contract manufactures with absorbing Natron processes. Key process steps include precision punching of electrodes, ultrasonic welding, pouch forming, vacuum sealing, electrolyte dispensing, and implementation of automated data collection for manufacturing execution and quality monitoring. The person for this position is capable of executing complex process engineering projects involving designed experiments, Taguchi robust optimization methods, and six-sigma techniques for process development and improvement. This person holds a degree in engineering or a physical science, such as chemistry, materials science or physics, and has industrial experience manufacturing batteries or other electrochemical hardware devices, or the equipment and processes used to make them.

Responsibilities:

- Lead and/or support projects for process improvement in the fabrication/assembly of battery electrodes, cells and assembled packs.
- Provide leadership and expertise in the broader application of six-sigma, robust engineering, and statistical problems solving throughout the Operations organization.
- Work with other engineering team and Data Team members to determine root causes of product defects, poor product performance, line down time.
- Work with product and process engineers to debug and improve cell manufacturing processes to enable high performance, quality, and yield.
- Work closely and effectively with operations personnel to implement new equipment, fixtures, and procedures for quality, yield, and throughput.

Experience and Skills:

- Bachelor's or Master's degree in engineering, materials science, chemistry, physics, or a related field.
- Over 7 years industrial engineering experience in manufacturing, including pilot scale manufacturing.
- Fluency in statistical problem solving methods, as applied to manufacturing operations.
- Demonstrated experience solving process yield, throughput and product quality problems.
- Experience with factory automation and MES data collection system implementation, including selection, implementation, and integration of vision systems, bar code printers and readers is a plus
- Experience working closely with contract manufacturers and suppliers is a plus.
- Providing design for manufacturing input to the product development teams.

Logistics:

- This is a regular, full time position.
- Employees must work on site in Santa Clara.
- Compensation is competitive with other Bay Area staff manufacturing/mechanical engineer positions.

Contact Information:

- sabrina@pacificsearchfirm.com
- jobs@natron.energy