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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 and upgrade its battery cell pilot line in Santa Clara. Critical activities include selection and implementation of new equipment, design of fixtures, and development of processes to increase throughput and improve quality. 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 engineering projects involving design, sourcing, prototyping, validation, and technology hand-off. This person holds a degree in mechanical engineering or a related field 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 the fabrication/assembly of battery electrodes and cells including equipment selection, sourcing, installation, development and debugging.
- Work with other engineering team members to design and implement modifications to equipment, including mechanized handling and automated data collection.
- 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 design and implement new equipment, fixtures, and procedures for quality, yield, and throughput.

Experience and Skills:

- Bachelor's or Master's degree in mechanical engineering or a related field.
- Over 7 years industrial engineering experience in manufacturing, including pilot scale manufacturing.
- Fluency in 3D modeling software (SolidWorks preferred), Excel-based modeling, and other engineering software.
- Experience with factory automation and MES data collection system implementation, including selection, implementation, and integration of vision systems, bar code printers and readers
- Experience working closely with contract manufacturers and suppliers.
- Significant prior experience designing and prototyping custom assembly fixtures.
- Troubleshoot process and equipment issues, and implement improvements to achieve robust, reliable processes.
- Ability to develop equipment specifications and work with equipment integrators.
- Experience with PLC programming and troubleshooting
- Basic machining and fabrication skills.
- 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:

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