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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. The person for this position is willing and capable of taking on a wide range of engineering projects large and small to streamline and expand our pilot production line. These projects include design, sourcing, prototyping, validation, and technology hand-off of fixtures and equipment. This person holds a degree in mechanical engineering or a related field and has industrial experience in manufacturing batteries or other electrochemical hardware devices, or the equipment and processes used to make them. The candidate must be hands-on, enthusiastic, and willing to learn new skills to take on increasing higher responsibilities.

Responsibilities:

- Execute and/or support projects for the fabrication/assembly of battery electrodes and cells including equipment selection, design, sourcing, installation, process development and debugging.
- Work with other engineering team members to design and implement modifications to pilot cell manufacturing equipment, fixtures, and processes.
- Work with product and process engineers to debug and improve cell manufacturing processes to enable high performance, quality, and yield.
- Gather and compile data to support decisions related to process improvements and equipment design.
- Generate and maintain high quality engineering documentation such as engineering drawings, maintenance procedures, and SOPs (Standard Operating Procedures) etc.

Experience and Skills:

- Bachelor's or Master's degree in mechanical engineering or a related field.
- 2-6 years engineering experience in manufacturing, including pilot scale manufacturing.
- Fluency in 3D modeling software (SolidWorks preferred), Excel-based modeling, and other engineering software.
- Working experience designing and prototyping custom assembly fixtures.
- Troubleshoot process and equipment issues, and implement improvements to achieve robust, reliable processes.
- Working knowledge of operating principles of production machine components such as pneumatics, circuits, motors, temperature controllers and sensors.
- Knowledge of the principles of part fabrication processes such as CNC machining,
- Ability to develop equipment specifications and work with equipment integrators.
- Basic machining and fabrication skills.
- Providing design for manufacturing input to the product development teams.
- Experience working with contract manufacturers a plus
- Working knowledge and experience in conducting DOEs (Design of Experiments) a plus.
- Working knowledge of Statistical Process Controls a plus.

- Working knowledge of PLC programming a plus.

Logistics:

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

Contact Information:

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