

SION POWER CORPORATION

Job Description

Job Title: Anode Operations Technician

Department: Vacuum

SUMMARY

Incumbent will assist technical engineering staff in conducting research and development efforts for prototype anode coating operations utilizing a variety of coating equipment, slitting, and delaminating machines. Position will be responsible for preparing equipment for operations, operating equipment as directed, clean-up/shut-down, and performing various measurements, sample preparation and basic data entry and record keeping as part of the on-going research project.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Become proficient at operation all machinery and processes by learning and maintaining up to date technical knowledge of all aspects of the anode coating operations primarily by demonstrating proficiency in procedures for gel coating, slitting and delaminating equipment.
- Carry out laboratory coating experiments effectively, safely and with consistent results; assist with observation of all aspects of experimental and manufacturing trials; collect experimental data and document observations; compile computer databases for experiments, and work with the technical staff to analyze and summarize experimental results. Assist in documenting procedures for coating processes in order to improve coating processes and coating performance.
- Prepare post deposition samples for anode and analytical group measurement and analysis. Assist in maintaining laboratory equipment and materials inventory needed for experimental work. Dispose of hazardous waste according to approved standards.
- Under the direction of a supervisor, assist technical staff to develop experimental plans and carrying out these experiments independently or with others. Follow experimental plans as directed, initiate adjustments to plans as needed if experimental results vary from the plan.
- Perform basic mechanical (assembly of parts) and electrical (soldering of components) tasks as needed for operation, maintenance and construction of hardware and related equipment. Assist in performing basic troubleshooting and maintenance procedures on all equipment.
- Contribute new ideas to improve the quality of anode coating processes. Work closely and efficiently with personnel throughout the organization to collaborate on designing, carrying out, and reporting of coating experiments.
- Must observe all company safety policies.
- Other duties as assigned.

SUPERVISORY RESPONSIBILITIES: None

QUALIFICATIONS The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION/EXPERIENCE

Bachelors Degree in a technical field and at a minimum of 2 years relevant experience or Associates Degree in a technical field with 4 years directly relevant experience, or equivalent combination of education and experience that clearly demonstrates the ability to perform the essential functions of the job. Computer literate with the ability to perform basic personal computer based data collection and entry utilizing industry standard spreadsheet and word processing programs.

LANGUAGE SKILLS

Basic English language communication skills, verbal and written, to interact with engineers and other technicians as required. Ability to prepare and present data, results and other information to individuals and small groups of people.

PHYSICAL DEMANDS

Physical ability to work in a chemical laboratory capable of carrying out the preparation and characterization of various types of coatings. Must be able to write, calculate, graph, and conduct data analysis, etc. with a personal computer for two (2) to six (6) hours each day in the office. Must be able to carry out work and handle various chemical materials in a chemical lab (open air, or with fume hood or glove box) utilizing personal protection equipment (goggles, masks, etc.) for four (4) to eight (8) hours each day. The individual must be able to carry out laboratory and production tasks that will require standing and walking for as much as 50% to 75% of the workday. The individual must be able to lift a 5-gallon bucket (approximately 50 pounds), and transport it up to 50 feet multiple times a day on a regular basis.

WORK ENVIRONMENT

The employee will be exposed to a fast paced, ever changing environment. Needs to be able to adapt quickly, meet deadlines and goals, and work professionally and competently with all levels of employees. While performing the duties of this job the employee will work in all areas of climate controlled building and office as well as in chemical and coating labs. Will be working with and around chemicals some of which may be considered hazardous. Also will be working around charged electrical cells and in a dry room where the humidity is controlled to as low as 0.5% RH.

SION POWER CORPORATION IS AN EQUAL OPPORTUNITY EMPLOYER/AFFIRMATIVE ACTION EMPLOYER M/F/D/V.