



Quality Technician – Material Characterization

Be part of a team that is tackling one of the largest challenges of our generation. As an Inventys employee, you will apply your talents in ways that make a difference in our world by directly contributing toward technologies to reduce greenhouse gas emissions.

Inventys is a clean energy technology company with a credible solution for capturing point-source CO₂ emissions and accelerating the global transition to a lower-carbon economy.

We are looking for a Quality Technician to carry out activities related to the quality control of powders and materials. The incumbent will handle data collection and technical oversight of sophisticated equipment used for research and quality control (scanning electron microscope, broad ion beam, dual beam electron microscope, TGA, etc.) for development of materials for CO₂ capture. The incumbent carries out maintenance of instruments maximizes tool capability, maintains a detailed equipment operation guide and technical reports, and is expected to be available evenings or weekends about once a month, and to work offsite at least once per week at universities.

Key Responsibilities:

- Operates various equipment including, but not limited to, a scanning electron microscope, broad ion beam, dual beam electron microscope, or TGA.
- Conducts tests at the head office and at least once per week on other sites.
- Collects data from tests and analyzes.
- Based on test results, decides if additional tests are required and carries them out.
- Maintains instruments and equipment.
- Maintains and updates the detailed equipment operation guide.
- Prepares technical reports.
- Makes recommendations to management for actions based on test results.
- Informs management of any issues that arise.
- Carries out other related tasks and projects as required.

Qualifications:

- Education: A minimum of a Bachelor's degree in Physics, Material Science, Chemistry, Biology, or related discipline.
- An equivalent combination of formal education, certificate/program of study and experience is acceptable.
- Experience: 2 years' in a commercial or academic lab with at least 1 year operating electron microscopes or dual beam microscopes
- Ability to set up, test, and perform measurements using a wide variety of scientific equipment (ex. Electron microscope, dual-beam microscope, TGA, etc.)
- Excellent knowledge of preventative maintenance techniques for chemical, electronic, and mechanical systems

- Excellent knowledge of materials science characterization techniques
- Good knowledge of electrical and mechanical design pertaining to scientific equipment
- Excellent analytical and problem-solving skills
- Excellent interpersonal skills.
- Excellent knowledge of WCB and WHMIS safety guidelines
- Excellent organizational skills, and strong attention to detail
- Ability to prepare technical documentation related to the operation, configuration, and maintenance of complex and/or dangerous scientific equipment
- Ability to exercise mature judgement and initiative
- Ability to work independently on concurrent projects and meet deadlines
- Ability to work flexible hours, including evenings and/or weekends about once per month
- Ability to travel locally at least once per week to universities, therefore a reliable car is needed
- Critical thinking skills and good judgment
- MS Office

As a team member you will work in a safety-first environment while enjoying competitive benefits, supportive co-workers, and interesting challenges to solve. You will grow through challenging work with diverse, talented people and by finding endless opportunities to learn and engage.

If you want to take the next step in your career, send your resume to jobs@inventysinc.com with "QA Technician" in the subject line. For more information about Inventys, please visit www.inventysinc.com. You can also connect with us on Facebook or Twitter @inventysinc.