



Quality Lab Development Technologist Job Description

Job Type: Full-time
Day shift: M-F / 8 hours/day, 5 days/week
Rate of pay: Based on experience.

Job Summary

We are actively seeking a **Quality Lab Development Technologist** to join our team. This role involves working collaboratively on various projects, analyzing data, and working with scientific instruments under the direction of our veteran Process Engineer. The position requires an understanding and ensuring processes and products comply to customer, environmental, quality, and safety standards, particularly in the Aerospace industry. This could be an excellent career growth opportunity in a company that values its people and provides a rewarding, engaged, and positive work environment.

Company Description

Located in West Knoxville, TN, BAM, Inc. specializes in providing high temperature services for aerospace, automotive, semi-conductor, and other specialized and advanced materials markets. These services include providing customers with carbonization, graphitization, pyrolysis, carbon vapor infiltration, and other high temperature processing services using our custom furnaces designed and constructed at our facilities.

BAM also provides supporting processes which include raw material needling, die cutting, and machining services primarily for carbon-carbon composites. We have capabilities for producing and processing other ceramics such as silicon carbide, silicon nitride, boron carbide, and boron nitride. BAM is developing a new product line for carbon/carbon brakes to serve the aircraft aftermarket.

BAM is a wholly owned subsidiary of the Loar Group, a growing, diversified Aerospace company providing exceptional services to its wide base of aerospace customers. The Group is based on a foundation of trust and respect for all 900+ employees across the United States.

Essential Job Duties

- Sample preparation.
- Conduct routine and non-routine lab tests of in-process materials, samples, or finished products in support of manufacturing operations.
- Analyzes and records test data to monitor and maintain conformity to specifications.
- Responsible for the precision, accuracy, and quality of work product.
- Calibrate, validate, or maintain laboratory equipment.
- Ensure that lab cleanliness and safety standards are maintained.
- Verify conformance to quality and customer requirements.
- Perform visual inspections of samples and finished products.
- Document/record information (written and electronic).
- Monitoring processes and materials to detect or assess problems.



- Reviews and understands customer requirements.
- Regular attendance and maintaining a good attendance record is an essential function of this job.
- Review and comply with all applicable company policies and procedures.
- Assist with various projects as assigned by direct supervisor.
- Escalates issues to supervisor for resolution of higher-level problems, as deemed necessary.

Necessary Qualifications

- Must be a U.S. citizen or Permanent Resident.
- 1-2 years related experience in materials science, chemistry, physics (strong foundational knowledge in any of these fields).
- Excellent communication skills with the ability to interact well with customers, suppliers, floor personnel, and management.
- The ability to work independently and in a team to prioritize tasks in a fast-paced environment.
- Cooperate well with others to achieve group goals.
- Excellent written and verbal skills.
- Analytical skills to interpret data and solve complex problems.
- Balance multiple projects with ability to meet deadlines consistently.
- Strong organizational skills with high attention to detail.
- Willingness to be flexible and “do what is needed” attitude on a small team.

Additional desired Qualifications

- Bachelor’s degree in chemistry or physics, with a focus on materials science (i.e., carbon fibers and processing).
- Experience in an AS-9100 and/or ISO-9001 work environment.

Physical Requirements

- May occasionally lift 10 to 20 pounds.
- Vision requirements – Must pass a near-vision exam with at least 20/25 in one eye (with or without corrective lenses) & a color vision exam (customer requirements).
- Prolonged periods of standing and performing repetitive tasks.

Benefits (full-time employees only)

Eligible 1st of the month following hire date.

- Medical, dental, vision, life, STD, LTD, 401k plan with company match.
- Paid time off / parental leave

Drug screening and background check required.

Work Location – 10536 Lexington Drive, Knoxville, TN 37932

EOE AA M/F/Vet/Disability

This job description is intended to convey information essential to understanding the scope of the position and is not exhaustive. Duties and responsibilities may be altered or added based on the needs of the organization and the skills of the individual hired.