ALABAMA HEAT EXCHANGERS

Now Hiring – Quality Control Inspector

Alabama Heat Exchangers is seeking a dependable and detail-oriented Quality Control Inspector to join our fabrication team. Qualified candidates should have experience or an interest in quality inspection of ASME pressure vessels, shell-and-tube heat exchangers, and related industrial equipment.

The ideal candidate will have a strong understanding of fabrication practices, inspection procedures, and quality standards, with the ability to work closely with production personnel to ensure compliance with applicable codes, specifications, and customer requirements.

Qualifications & Experience

- Previous experience in quality control, pressure vessel fabrication, welding inspection, or heavy industrial manufacturing preferred.
- Familiarity with ASME Section VIII, ASME Section IX, NBIC, and TEMA standards is a plus.
- Ability to read and interpret fabrication drawings, weld symbols, material specifications, and welding procedures (WPS).
- Knowledge of welding processes, including GMAW, GTAW, FCAW, and SMAW.
- Understanding of weld inspection, visual examination, and common welding discontinuities.
- Familiarity with nondestructive examination (NDE) methods, including RT, PT, MT, and UT, preferred.
- Ability to use measuring tools such as tape measures, calipers, micrometers, and other dimensional inspection equipment.
- Understanding of material identification, traceability, and documentation requirements.
- Ability to review purchase orders, bills of materials (BOM), and fabrication drawings to verify incoming materials.
- Strong attention to detail, organizational skills, and ability to maintain accurate inspection records.
- Willingness to learn, develop inspection skills, and advance within the company.

Job Responsibilities

Material Receiving & Inspection

- Receive, check in, and inspect incoming materials, components, and purchased items.
- Verify received materials against purchase orders, fabrication drawings, and bills of materials for correct quantities, dimensions, material specifications, and other applicable requirements.
- Inspect incoming materials for damage, defects, discrepancies, and overall condition.
- Verify material markings, heat numbers, and material test reports (MTRs) as required.
- Maintain proper material identification and traceability throughout receiving and fabrication.
- Document receiving inspections and communicate shortages, incorrect materials, damaged items, or other discrepancies to purchasing and management.
- Ensure materials meet applicable requirements before being released to production.

Fabrication & Quality Inspections

- Perform visual and dimensional inspections throughout the fabrication and assembly process.
- Verify materials, components, and fabrication activities meet approved drawings, specifications, and applicable code requirements.
- Inspect weld preparations, fit-ups, completed welds, and finished assemblies.
- Review welding procedures (WPS) and verify applicable welder qualifications.
- Coordinate required nondestructive examinations and assist with reviewing inspection results.
- Witness hydrostatic and pneumatic testing as required, ensuring compliance with approved procedures and safety requirements.
- Identify, document, and communicate nonconformances or quality concerns to appropriate personnel.
- Work closely with welders, fitters, supervisors, and engineering to resolve fabrication and inspection issues.

Documentation & Quality Compliance

- Review and maintain inspection reports, material test reports (MTRs), travelers, and quality documentation.
- Assist with customer inspections and Authorized Inspector (AI) visits as required.
- Verify completion of required inspections and documentation prior to final acceptance and shipment.
- Assist with ASME and NBIC documentation, including Manufacturer's Data Reports and repair records, as applicable.
- Maintain a clean, organized, and safe work environment.

Additional Requirements

- Must be dependable, self-motivated, and capable of working independently or as part of a team.
- Must be able to communicate effectively with production personnel, supervisors, and management.
- Must be willing to work overtime and travel to customer job sites when required.
- Must be available for occasional after-hours and emergency repair work.
- Must be able to perform the physical duties associated with industrial inspection, with reasonable accommodations where applicable.
- Employment is subject to applicable pre-employment screening requirements, including drug testing and background checks.

We are looking for individuals who take pride in their work, understand the importance of code compliance and quality workmanship, and are committed to ensuring every product meets applicable standards and customer expectations.

Alabama Heat Exchangers offers opportunities for continued professional development and advancement within our quality control department.