

**Job Title: Lab Technician**

**Position Summary:**

Serve as support function to Hot Stamp and New Tooling through implementation of quality assurance and metallurgical techniques including but not limited to: sampling plans, material analysis, measurement techniques, process validations and capability studies.

**Essential Responsibilities:**

- Performs metallurgical tests, inspections and other task to determine specific characteristics of materials, in-process and final product samples as required to ensure quality products.
- Perform tests using laboratory equipment. Tests to include: Tensile, Yield, & Elongation testing; Vickers hardness testing; Material structure and Coating thicknesses.
- Designs, installs and evaluates quality assurance process sampling systems, procedures and statistical techniques; designs or specifies inspection and testing mechanisms and equipment; analyzes production and service limitations and standards; recommends revision of procedures, or work instructions and specifications when needed.
- Assists with the implementation of assurances, process controls, and corrective and preventive actions designed to meet or exceed internal and external requirements.
- Identifies non-conformance trends and develop and administer technical investigation and corrective and preventative action programs to resolve recurring quality problems.
- Documents and interprets test results, maintains records, and prepares detailed reports. Communicates test results to appropriate staff.
- Responds to standard inquiries. Completes special request from the Supervisor or Manager. Performs other duties as assigned.

**Qualifications:**

*To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.*

**Education and Experience:**

High school diploma or GED preferred  
3+ years of experience in quality metallurgy lab  
Certification in quality lab equipment operation

**Job Knowledge, Skills and Abilities:**

**Knowledge:** Knowledge of Metallurgical testing equipment. Knowledge of various hand held measuring devices (i.e. Calipers, micrometer, Profilometer, etc.) Experience or knowledge in Hot Stamp or Heat Treat testing

**Skills:** Computer proficiency, including MSOffice, Outlook and Internet tools; must have database and spreadsheet experience.

**Abilities:** Ability to work effectively as a stand-alone inspector with little or no guidance. Ability to manage time properly to complete tasks to schedule

## **Physical Demands & Work Environment:**

*The characteristics described below are representative of those encountered while performing the essential functions of this position. Reasonable accommodations will be made to enable individuals with disabilities to perform the essential functions.*

**Physical Demands:** While performing the duties of this job, the employee is regularly required to sit, talk, hear and enter data using a keyboard and mouse. The employee is frequently required to use hands to finger; handle; feel; stand; walk; reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl and smell. The employee must occasionally lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision. This job involves repetitive tasks and attention to detail. Fast-paced environment, usually work standard 40-hour weeks, but overtime may be necessary as work load's dictate. This may include weekdays, weekends and/or holidays.

**Work Environments:** Work performed in a shop environment and regularly exposed to dust, odors, oil, fumes and noise. GNS has established process, procedures, and protective equipment to reduce or eliminate exposures to these hazards and full compliance is a requirement of the job. Requires working in non-air-conditioned variable temperature factory setting. Employees are exposed to extreme heat and/or cold and other work place hazards. Noise level in the work environment is mostly loud. Employees may be subject to random drug and alcohol testing, pre-employment physical and background checks.