

<b>Job Title:</b>	Internal Quench Furnace Operator	<b>Job Category:</b>	
<b>Department/Group:</b>		<b>Department Code:</b>	
<b>Reports to:</b>	Factory Supervisor	<b>Travel Required:</b>	NO
<b>Level/Salary Range:</b>	Labor grade 3	<b>Position Type:</b>	Full-time

### Job Summary

Operates an Internal Quench Furnace and other related equipment in a production environment.

### Duties/Responsibilities

#### DUTIES

- Operates and maintains a production heat treating line which includes an internal quench furnace and a gas generator that produces hydrogen gas from natural gas
- Perform a burnout of the gas generator to rid it of carbon deposits
- Adjusts the atmosphere in the furnace during the heat treat cycle by flooding the furnace with hydrogen gas
- Responsible for accurate time reporting
- Responsible for keeping work areas and machinery clean and in good order
- Burns off hydrogen gas atmosphere at the end of the heat treat cycle
- Controls the internal temperature and time cycle depending on the type of steel and hardness required
- Sets annealing time, temperature and cycles
- Positions work pieces on heat treat racking or baskets
- Cleans quenching pit as necessary
- Inspects work pieces to insure quality standards and reports to supervisor any unusual conditions or defects
- Ensures all machine safeguarding is in position and working properly before starting production and reports any missing, broken, or malfunctioning safety equipment to the department supervisor so repairs can be made before production is run on that piece of equipment

#### Other

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#### Back Up Duties

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## Requirements

### Skills

- 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. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

### Mathematical Skills:

- Ability to add, subtract, multiply, and divide all units of measure, using whole numbers, common fractions and decimals. Ability to compute rate, ratio, and percentages.

### Reasoning Ability:

- Ability to apply commonsense understanding to carry out instruction furnished in written, oral or diagram form. Ability to deal with problems involving several concrete variables in standardized situations.

### Certificates, Licenses, Registrations:

- CSI forklift operator certification

### Other Skills and Abilities:

- Ability to keep focused on the job and attention to details

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to stand, reach with hands/arms, and talk/hear. The employee is occasionally required to walk and sit.

The employee must regularly lift and/or move up to 25 pounds, frequently lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision, peripheral vision, and depth perception.

Reviewed By:		Date:	
Approved By:		Date:	
Last Updated By:		Date:	