

Title:	Material Science/Heat Treat Engineer	Location:	Port Robinson, ON
Education:	Post-Secondary Education or equivalent experience along with Metallurgical Engineering	Hours:	40
Experience/Proficiency:	5 plus years or related experience	NOC:	
Reports to:	Plant Manager	Rev. Date:	3/27/2024 mm/dd/yyyy

General Description

Managing and executing alterations to heat treatment operations within a sizable commercial facility, ensuring compliance with customer performance standards and delivering products according to their specifications in a cost-efficient manner. Supporting the ISO 9001/IATF Business Management Systems and actively participating in the attainment of organizational goals and objectives.

Skill/Effort Requirements

- Metallurgical/ Material Science knowledge and Experience
- Knowledge of Heat Treating processes
- Excellent analytical and problem solving skills
- Good communication and interpersonal skills
- Working knowledge of manufacturing processes and quality principles
- Able to make effective and prompt decisions

Responsibilities

- Offer expertise in metallurgical and material science aspects relevant to heat treating products and activities, providing guidance across plant operations
- Collaborate with the Quality Manager to ensure seamless integration of quality systems and procedures, facilitating their implementation
- Aid in the training and auditing of plant personnel to proficiently conduct inspection and testing tasks
- Supervise the Quality Control Technician in the calibration and upkeep of all testing equipment, including furnace control systems and temperature indicators
- Work alongside the Quality Manager to establish and uphold a robust Quality Management system, ensuring alignment with customer specifications
- Coordinate with team members to develop, review, and approve quality and process-related instructions, internal standards, inspection plans, FMEAs, process flow diagrams, control plans, etc., ensuring adherence to customer requirements throughout the processing stages
- Manage the execution of sample runs and PPAP submissions, communicating results to relevant stakeholders
- Oversee the issuance and retention of heat treat engineering documents and samples
- Maintain and manage quality records as outlined in the Quality Management System
- Assist in overseeing an effective systems for addressing non-conformances and implementing corrective actions, promptly notifying relevant parties of any issues
- Engage with customers to address heat treat technical specifications and requirements
- Facilitate discussions with key personnel at H&S Heat Treating to identify and address quality issues, offering



guidance to enhance both quality and productivity

Working Conditions			
<ul style="list-style-type: none">• Clean, bright office• Exposure to noise and dirt in industrial facility			
Reviewed By: (Employee Signature)		Date:	
Approved By: (Manager Signature)		Date:	