Job Description

Title: Process Engineer
Reports to: Plant Manager
Department: Production
Salary: Based on Experience
Shifts: 1st
New Position Open Due to Growth

Identifies opportunities and/or implements changes to improve products or reduce costs using knowledge of fabrication processes, tooling and production equipment, assembly methods, quality control standards, or product design, materials and parts. Familiar with the TS Certification Process and full working knowledge of the APQP process. Support new product start-up.

Duties to include but not limited to:

• Determine root causes of failures using statistical methods and recommend changes in designs, tolerances, or processing methods.
• Provide technical expertise or support related to manufacturing.
• Incorporate new methods and processes to improve existing operations.
• Troubleshoot new and existing product problems involving designs, materials, or processes.
• Review product designs for manufacturability and completeness.
• Train production personnel in new or existing methods.
• Communicate manufacturing capabilities, production schedules, or other information to facilitate production processes.
• Design, install, or troubleshoot manufacturing equipment.
• Prepare documentation for new manufacturing processes or engineering procedures.
• Apply continuous improvement methods such as lean manufacturing to enhance manufacturing quality, reliability, or cost-effectiveness.
• Investigate or resolve operational problems such as material use variances and bottlenecks.
• Estimate costs, production times, or staffing requirements for new designs.
• Evaluate manufactured products according to specifications and quality standards.
• Design layout of equipment or workspaces to achieve maximum efficiency.
• Design testing methods and test finished products or process capabilities to establish standards or validate process requirements.
• Prepare reports summarizing information or trends related to manufacturing performance.
• Analyze statistical data and product specifications to determine standards and establish quality and reliability objectives of finished product.
• Develop manufacturing methods, labor utilization standards, and cost analysis systems to promote efficient staff and facility utilization.
• Recommend methods for improving utilization of personnel, material, and utilities.
• Plan and establish sequence of operations to fabricate and assemble parts or products and to promote efficient utilization.
• Apply statistical methods and perform mathematical calculations to determine manufacturing processes, staff requirements, and production standards.
• Draft and design layout of equipment, materials, and workspace to illustrate maximum efficiency using drafting tools and computer.
• Formulate sampling procedures and designs and develop forms and instructions for recording, evaluating, and reporting quality and reliability data.
• Implement methods and procedures for disposition of discrepant material and defective or damaged parts, and assess cost and responsibility.
• Complete production reports, purchase orders, and material, tool, and equipment lists.
• Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.
• Inspect finished products for quality and adherence to customer specifications.
• Monitor and adjust production processes or equipment for productivity.
• Troubleshoot problems with equipment, devices, or products.

Technical Skills and Work Experience:

• Bachelor’s Degree in Engineering or equivalent experience; Master’s Degree preferred.
• Previous experience in an automotive manufacturing assembly environment.
• Must be proficient using MS Office applications such as Excel and Word.
• Full working knowledge of APQP process, flowcharts, work instructions, and control plans.
• Must be a team player and work well with others in process development, corrective action and problem solving.
• Full working knowledge of and committed to continuous improvement principles
• Ability to effectively handle multiple activities simultaneously and successfully function in a cross functional manufacturing environment
• Familiar with TS 16949 or ISO/QS 9000

Send Resume to:

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Mail: 103 Parkway East, Pell City, AL 35125

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***Only Word (.doc or .docx) accepted -- NO Word Perfect please (.wps)***