POSITION DESCRIPTION AND FUNCTIONS – Senior Manufacturing Engineer

• Develops, evaluates, and improves manufacturing methods, utilizing knowledge of process design, materials, tooling and equipment capabilities to produce cost effective products of superior quality.
• Works closely with product development engineers to concurrently develop manufacturing processes by researching, designing, and modifying manufacturing equipment and methods.
• Provides support to the Manufacturing and Maintenance staff in troubleshooting and correcting process and equipment issues.
• Assure product quality by defining and improving process capabilities. Incorporate statistical measurements to define root causes and corrective measures to address process variances that affect product quality.
• Participates in developing Job Safety Analyses and develops actions to reduce risk.
• Works in cross functional teams in developing PFEMAs for each operation. Develops actions to reduce RPN, reduce variation and improve product quality.
• Analyze and plan process flow, space requirements and equipment layouts, to maximize process efficiency.
• Research and implement new technologies and equipment considering financial impact to, and growth of the business. Prepare capital investment justifications including IRR / ROI analysis for management approval.
• Prepares product and process reports by collecting, analyzing, and summarizing information and trends. Identifies performance gaps and formulates actions to close.
• Provides new product cost information (labor, material and overhead) to Product Line Managers and maintains BOM process router instructions.
• Routinely reviews product demand verses capacity, identifying potential constraints. Develop plans to support expanded growth.
• Key contributor to the plants Continuous Improvement efforts.

Minimum Qualifications:

• Bachelor’s degree in; Manufacturing, Industrial, Mechanical Engineering or Engineering Technology.
• Minimum of 5-7 years’ experience in Operations Engineering. Experience in a Lean Manufacturing environment preferred.
• Excellent computer skills (Microsoft Word, Excel, Project, AutoCAD, etc.)
• Advanced analytical and problem solving skills.
• Strong written, verbal, interpersonal and facilitation skills.
• Ability to work well with others in a team environment and to perform a variety of duties without direct supervision.

Beneficial Qualifications:

• Wire forming and / or wire drawing experience
• JD Edwards - MRP experience
• Certified Six Sigma
• Working knowledge of PLC’s & programming