



Job Description:

Manufacturing Process Engineer

Job Summary:

The Manufacturing Process Engineer will develop methods to improve labor efficiency, maximize production output, and minimize scrap in the production processes while maintaining product quality and a safe work environment. This position will design and implement systems that integrate workers, equipment, materials, and space to maximize output of products while maintaining and supporting the Quality Management System and ensuring products meet quality standards. This will include evaluating process capability, maximizing efficiency of current equipment and processes, researching and recommending new equipment for existing products and for new products, and incorporating Lean Manufacturing principles. This position reports to the Chief Engineer.

Duties and Responsibilities:

- Apply working knowledge of Lean Manufacturing principles to the manufacturing process.
 - Evaluate existing manufacturing processes and workflows to identify areas that could benefit from changes and improvements.
 - Create processes and procedures to maximize production output where necessary while controlling costs.
- Analyze manufacturing processes to ensure operations are capable of producing the expected level of product quality. Recommend changes, as needed.
- Where new equipment is recommended, complete return on investment analysis.
- Ensure new equipment and associated processes are operating as intended after machine installation and process implementation.
- Collaborate with Engineering and Manufacturing departments on the design, development and validation of new manufacturing processes.
- Encourage efficient use of floor space in collaboration with the Manufacturing department when laying out work cells.
- Conduct PFMEAs, as needed, to address high risk and/or recurring manufacturing issues.
- Communicate with Engineering and Production and coordinate efforts to resolve equipment or process issues that may delay or halt production progress.
- Promote safety in the workplace. Recognize and then diffuse hazardous situations before they come to pass. Address safety risks while designing or improving manufacturing processes.

Position Requirements:

- Bachelor's Degree in Mechanical Engineering, Industrial Engineering or related field required
- Minimum 3 years' experience in similar role

- Knowledge of production processes, equipment, costs analysis, and methods for maximizing the efficient manufacture and distribution of goods.
- Knowledge of machines and tools, their designs, uses, repair and maintenance.
- Strong organizational, analytical and communication skills; the ability to work independently
- History of progressive responsibility and demonstrated success
- Proficient with Windows operating systems and Microsoft Office programs
- Knowledge of Quality Management Systems
- The ability to develop and maintain positive working relationships with production employees and managers, and other departments within the organization.
- Physical ability to work in office environment using computer work station, and in manufacturing areas, sitting or standing, including using stairs or ladders and lifting to 25lbs.
- Ability to travel to equipment suppliers occasionally, as needed.