

Process Mechanical Engineer

Roles and Responsibilities

- Develop, evaluate, improve and document manufacturing processes in order to enable continuous improvement for better product quality and increased productivity.
- Redesign products or parts to meet cost objectives, part obsolescence and customer requirements.
- Establish and implement process control techniques and procedures into manufacturing environment for increased yield and lower operating cost.
- Participates in new product introduction to provide process mechanical engineering support and oversee supply chain activities to ensure manufacturability and conformance with the supply chain requirements.
- Partners with procurement and technical services to improve/sustain products and processes.
- Directly work with contract manufacturers or vendors to determine product, tooling, equipment and material specifications and quality standards.
- Time management flexibility (to manage in-house and CM centric manufacturing)
- Work with suppliers to ensure achievement of goals for cost, quality and delivery of parts and materials.
- Manage ERP (Enterprise Resource Planning) data such as bill of material and routing.
- Support company policies and procedures in ISO9001 and ISO14001 as well as other good manufacturing practices.
- Handle fabrication, operation, installation and repair of mechanical products.
- Diagnose and drive material loss' corrective actions in manufacturing process.
- Able to conduct capacity planning and optimize manufacturing hours
- Define maintenance program to enhance key plant equipment's throughput.
- Determine production issues and document solutions. Ensure production efficiency and achievement goals.
- Apply Six Sigma/LEAN principles to drive manufacturing process improvements.
- Drive EHS compliance and safe workplace culture.
- Resolve and execute manufacturing process solutions.
- Coordinate activities through Statistical Process Control methodology.
- Create design of experiments (Dfx) for manufacturing process changes.

Process Mechanical Engineer

Education Requirement

- Bachelors or Masters Degree in Mechanical, Manufacturing Engineering, Mechatronics or similar discipline.

Skills Requirement

- Solid command of technologies, tools and best practices in designing mechanical equipment using AutoCAD, Solid Pro and other design SW
- Microsoft Access/C++ / C sharp is required to design manufacturing capacity optimization planning
- Able to design and fabricate tooling and mechanical test fixtures.
- Good understanding using SQC, Minitab and SQL SW language for statistic analysis
- Experience in using LEAN to optimize production waste, process improvement and cost avoidance planning
- Experience using Design Validation process for NPI products during Development stage
- Ability to interact effectively with people at all levels.
- Strong data analysis skills:
- Excellent communication skills.
- Ability to function effectively in a team environment.
- Ability to quickly learn new technologies.
- Good attitude on proactive approach and customer first mindset.
- Experience with ERP systems and manufacturing procedures will be added advantages.