

Manufacturing Engineer

Job Summary

The Manufacturing Engineer ensures that engineering drawings and requirements are accurately and efficiently implemented during manufacturing. Responsibilities also include evaluating and improving all phases of manufacturing operations.

Primary responsibilities

- Either resolve or coordinate with Engineering for all manufacturing issues. This may include drawing clarification, investigation of engineering, and/or fabrication issues that pertain to a part, an assembly, or installation.
- Lead rework efforts for engineering development on new machines. This may include the rework of parts, fabrication of new components, and assembly rework. Manufacturing Engineer will plan rework with department management and coordinate with all affected parties to ensure the rework status is completed in a timely manner.
- Recommend improvements in manufacturing operations and Design for Manufacturing and Assembly (DFMA) ideas. The Manufacturing Engineer has an excellent vantage point for identifying ways to make parts easier to fabricate and/or install.
- Maintain the Engineering Change Management program, a formal avenue of tracking and working requests for engineering changes. The Engineering Change Request can range from being urgent to a cost-saving idea that must be evaluated.
- If an item is determined to be scrapped, the Manufacturing Engineer reviews this decision and recommends action to be taken to avoid repeating the scrappage.
- Creates and maintains manufacturing work instructions where required. The work instructions ensure fabrication and assembly steps are completed in the appropriate sequence and that engineering requirements are met.
- Implements and directs the completion of Change Requests. Works alongside production to ensure all BOM (Bill of Materials), design and print changes are implemented.
- Works with manufacturing to improve processes and tools. Process and tool improvements are an ongoing effort. The Manufacturing Engineer is the Subject Matter Expert to give direction in implementing fabrication and assembly best practices.
- Develop and document shop best practices. The Manufacturing Engineer is the primary driver to ensure that shop best practices are known and used.

- Support Quality as required. The Manufacturing Engineer can be a primary resource for collecting data and providing expertise in resolving quality issues.
- Works with outside vendors on manufacturing issues as required. If a vendor has any issues during the fabrication of parts, the Manufacturing Engineer is the primary resource within PEM for addressing these issues.
- Helps maintain a safe working environment. They will report any safety issues that are observed in production. Help as needed to resolve safety issues that require engineering design. The Manufacturing Engineer should have a strong understanding of standard production safety practices.
- Other duties as assigned.

Secondary Responsibilities

- Provide input pertaining to the quality of parts, assemblies, and installations. This is a secondary role of another set of eyes to identify quality defects in detailed parts and/or assemblies.
- Support requests from Spares to review and/or resolve part issues. Spares often need assistance clarifying part configuration or reviewing supplier's part specifications.
- Lead or assist in facility changes impacting manufacturing operations. There are often facility changes in equipment and/or layout that the Manufacturing Engineer provides expertise in.

Qualifications

- BS in Mechanical, Manufacturing, or Industrial Engineering with 2-5 years of related experience (or other relevant technical degrees or certifications with 10+ years of Manufacturing Engineering experience)
- ERP knowledge and experience
- Experience in Continuous Improvement tools and methodology (Theory of Constraints, Lean, or Six Sigma)
- Proficient in Microsoft Word, Excel, and PowerPoint
- SolidWorks2019+ experience
- Excellent oral and written communication skills
- Ability to plan, schedule, coordinate, and problem solve effectively
- Possessing a solid understanding of critical analysis and application in a manufacturing environment.
- Knowledgeable in OSHA Compliance
- Impeccable attention to detail
- Strong work ethic and great attitude a must.