



Job Title: Manufacturing Engineering Manager

Location: Master Power Transmission – Greenville, SC

Department: Engineering

Reports To: Director of Operations

About Master Power Transmission

Master Power Transmission (MPT) is a trusted U.S. manufacturer of high-performance gearing and power transmission products used in conveyors, pumps, aggregate facilities, OEM applications, and distribution centers. With 90 employees across two facilities (Columbus, IN, and Greenville, SC), we're known for our tight-knit culture, commitment to quality, and strong customer relationships. MPT empowers engineers to directly shape operations and future growth in a collaborative, entrepreneurial environment.

Position Summary:

Master Power Transmission is seeking a dynamic and results-driven **Manufacturing Engineering Manager** to lead and optimize our manufacturing engineering functions. This leadership role is pivotal in designing, implementing, and continuously improving manufacturing processes to enhance efficiency, reduce waste, and uphold our high-quality standards. The ideal candidate is a collaborative leader with strong technical acumen and a passion for continuous improvement.

Key Responsibilities:

Process Design & Optimization

- Develop, evaluate, and enhance manufacturing processes for new and existing products.
- Identify and implement tooling, assembly methods, and workflow strategies to boost productivity and minimize waste.

Project Management

- Lead cross-functional engineering projects from conception through execution.
- Manage project schedules, resources, and budgets to deliver successful outcomes.

Team Leadership

- Supervise, mentor, and develop a team of manufacturing engineers.

- Provide performance feedback and technical direction to support both individual and team success.

Quality Assurance

- Ensure manufacturing processes comply with quality standards and regulations.
- Troubleshoot production issues, drive root-cause analysis, and implement corrective actions.

Cost Management

- Monitor and analyze production costs and recommend cost-effective solutions.
- Drive initiatives that reduce operational expenses and increase profitability.

Data-Driven Improvement

- Track KPIs such as cycle time, scrap rates, and yield to identify trends and areas for process enhancement.
- Leverage data to support continuous improvement efforts.

Stakeholder Collaboration

- Partner with R&D, Production, Supply Chain, and Quality teams to ensure seamless transitions from product design to production.
- Foster open communication and problem-solving across departments.

Lean & Continuous Improvement

- Champion lean manufacturing initiatives, including 5S, Kaizen, and value stream mapping.
- Lead efforts to improve throughput, eliminate bottlenecks, and enhance operational excellence.

Equipment Management

- Oversee preventive maintenance programs and recommend upgrades for manufacturing equipment to ensure reliability and peak performance.

Qualifications:

- Bachelor's degree in Mechanical Engineering, Industrial Engineering, or related field.
- 5–10 years of experience in manufacturing engineering, preferably in a power or gear transmission products.

- Proven experience leading engineering teams.
- Strong analytical, organizational, and communication skills.
- Proficiency in Microsoft Office Products, including Excel, PowerPoint
- Knowledge of lean manufacturing, Six Sigma, and other continuous improvement methodologies.
- Safety-focused mindset with a proactive approach to risk management.

Preferred Attributes:

- Demonstrated success managing cross-functional projects in a manufacturing environment.
- Hands-on knowledge of machining operations within the gearing and power transmission products.
- Ability to coach and lead diverse technical teams toward operational excellence.