



## **MANUFACTURING PROCESS ENGINEER**

### **POSITION DESCRIPTION**

This position reports to the Technical Director. Position requires a Mechanical or Industrial Engineering degree with a minimum of 3 years of experience or 7 years equivalent experience. Experiences should include the development of plant layouts, process and assembly methods, and related tooling design for composites fabrication, plastics, light metal and assembly.

This position requires one to be innovative and able to continually improve on existing methods, and develop cost reduction ideas. Position requires working on the manufacturing floor with the responsibility of ensuring quality requirements are reflected on manufactured product. Must understand and work within quality systems, statistical process controls, design of experiments, and be a dedicated team player with excellent people skills that can interface with manufacturing and administrative personnel on a routine basis.

### **JOB DUTIES**

- Ensure safety protocols are in place and followed. Maintains safe and healthy work environment by following safety and environmental regulations.
- Evaluates/approves and assesses existing processes and workflows.
- Responsibility to communicate clearly with managers, supervisors and operators, setting realistic expectations.
- Optimizes productivity by designing, implementing and testing new procedures.
- Assembles reports to document process status and changes.
- Tracks metrics to discover areas for improvement and monitor upgrades.
- Communicates findings and proposals to upper management.
- Travel to customer facilities when necessary.
- Conducts risk assessments.
- Assesses compliance with applicable safety and quality standards.
- Performing a cost-benefit analysis of proposed process changes.
- Analyzing the materials used and effectiveness. Researching other potential materials and methods for production.
- Providing recommendations about how to improve production methods.
- Helps the organization meet the objectives by completing tasks as deemed necessary and any/all reasonable assignments given by your supervisor.

### **KEY SKILLSET REQUIREMENTS/QUALIFICATIONS**

- Bachelor's degree in engineering or related field (graduate degree preferred)
- Lean Methodologies/Six Sigma
- Excellent analytical and math skills
- Excellent verbal and written communication skills
- Ability to persuade others to change existing practices
- Strong attention to detail
- Proven ability to identify, assess and solve problems
- Knowledge of engineering software systems
- Familiarity with applicable health and safety regulations
- Proficient with Microsoft Office applications.
- Experience in an inspection or auditing role (preferably in manufacturing).
- Technical Writing experience preferred.
- Exhibits positive leadership qualities.