



## JOB DESCRIPTION

**Job Title:** Manufacturing Engineer

**Location:** Millington

**Reports to:** Director of Quality and Manufacturing Engineering

**Position Summary:** Develops and improves manufacturing processes by studying product and manufacturing methods. Must have a high level of technical expertise and skill used to plan, design, set up, modify, optimize and monitor manufacturing processes. This position would work integrally with Product Development, Quality Control, Production and Supply Chain.

### DUTIES AND RESPONSIBILITIES:

- Evaluates manufacturing processes by designing and conducting research programs, applying knowledge of product design, fabrication, assembly, tooling and materials, conferring with equipment vendors as well as soliciting input from operators.
- Designs new systems and processes for the introduction of new products or the improvement of existing ones.
- Analyzes and plans work force utilization and workflow and design layouts of equipment and workspace for maximum efficiency.
- Maintains existing bills of material and creates and maintains work instructions and control plans.
- Estimates production times, staffing requirements, and related costs to provide information for management decisions.
- Confers with management, engineering and other staff regarding manufacturing capabilities, production schedules, and other considerations to facilitate production processes.
- Applies statistical methods to estimate future manufacturing requirements and potential.
- Organizes plant start-up and shut-down schedules to ensure minimum loss of production time.

**KNOWLEDGE AND SKILLS:**

- Proven ability to communicate clearly and work together with a team.
- Goal-oriented with the ability to prioritize tasks and projects.
- Ability to identify and solve problems, develop innovative solutions, act decisively, and demonstrate good judgment; Must be quality-minded.
- Must be mechanically inclined and have a working knowledge of mechanics tools.
- Skilled in Solidworks CAD software; SWCP or higher is desired.
- Proficiency in Microsoft Office Suite.
- Previous experience with an ERP system is preferred.
- Some knowledge of EPA, SAE, US Coastguard laws, ABYC recommended regulations, CE Foreign Regulations
- Knowledge of ANSI/NIT Engineering Standards.
- Must be able to travel as needed and work extended hours, evenings and weekends necessary to achieve company goals.

**EDUCATION AND WORK EXPERIENCE**

- Bachelor's degree in Engineering
- Minimum of 5 years' experience in an ISO-certified manufacturing environment, preferably in the automotive industry.
- Prior knowledge and experience in fabrication, robotics welding and CNC machine tool technology is required.

**ENVIRONMENTAL CONDITIONS:** Manufacturing and office environment

**PHYSICAL EFFORT:** Must be able to lift 50 pounds.

**SAFETY EQUIPMENT:**

PPE that may include safety glasses, respirator, hearing protection or gloves.