

Job Description

Job Title: Manufacturing Engineer

Reports To: Director of Operations

FLSA Status: Exempt

Department: Engineering

Summary: Plans, directs, and coordinates manufacturing processes in industrial plant by performing the following duties.

Essential Duties and Responsibilities include the following. Other duties may be assigned.

Develops, evaluates, and improves manufacturing methods.

CNC programming of any new program launches coordinating with the Sr. Engineer staff.

Analyzes and plans work force utilization, space requirements, and workflow, and designs layout of equipment and workspace for maximum efficiency.

Consults with the Sr. Engineer staff and Engineering Manager concerning product design and tooling to ensure efficient production methods.

Consults with vendors to determine product specifications and arrange for purchase of equipment, materials, or parts, and evaluates the products according to specifications and quality standards.

Works with outside vendors on equipment builds and deliveries to ensure timely delivery and expectations for production are being met.

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.

Design - Generates creative solutions; Translates concepts and information into images; Uses feedback to modify designs; Applies design principles;

Quality - Demonstrates accuracy and thoroughness; Looks for ways to improve and promote quality; Applies feedback to improve performance; Monitors own work to ensure quality.

Qualifications:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education/Experience:

Minimum of an Associate's Degree, Bachelor's degree preferred from four-year college or university. Three to five years of hands on engineering experience.

Language Ability:

Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or governmental regulations. Ability to write reports, business correspondence, and procedure manuals. Ability to effectively present information and respond to questions from groups of managers, clients, customers, and employees.

Math Ability:

Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

Reasoning Ability:

Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions and deal with several abstract and concrete variables.

Computer Skills:

To perform this job successfully, an individual should have knowledge of Microsoft Word, word processing software; Microsoft Excel and Autocad, Solidworks, Cadkey design software, PLC programming software, CAD/CAM software, and Microsoft Project.

Work Environment:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently exposed to work near moving mechanical parts.

The noise level in the work environment is usually moderate.

Physical Demands:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The employee must frequently lift and/or move up to 10 pounds and occasionally lift and/or move 25 to 50 pounds. Specific vision abilities required by this job include Close vision, Distance vision, Peripheral vision, Depth perception and Ability to adjust focus. While performing the duties of this job, the employee is frequently required to stand; walk; use hands to finger, handle, or feel; reach with hands and arms and talk or hear. The employee is occasionally required to sit and stoop, kneel, crouch, or crawl.