

Job Description

Job Title: Manufacturing Engineer
Department: Engineering Department
Location: 1275 Ensell Rd.

POSITION SUMMARY: The primary responsibility of this role is to develop and implement optimal, cost effective CNC manufacturing processes and methods to meet quality specifications and quality standards. In addition, the Manufacturing Engineer will recommend and implement improvements to production processes and coordinate manufacturing launches for new or revised products.

ESSENTIAL DUTIES, RESPONSIBILITIES AND ACCOUNTABILITIES:

- Responsibility for process improvement, problem resolution, project management and training.
- Improve CNC manufacturing processes and methods for cost reductions, quality improvements and efficiency.
- Performs research, design and development of manufacturing processes including production flow, assembly methods and CNC production equipment.
- Coordinates manufacturing launch of new and revised products.
- Experience with multitask CNC Machines
- Experience with multi-pallet horizontal machine tools
- Experience with design process for automated manufacturing
- Experience with tooling selection & work holding strategies
- Conducts product and process analysis for cost reductions, quality improvement and improved efficiencies.
- Experience with CNC machining process improvement, capital project management, implementation of manufacturing improvements and training in safe work environments.
- Responsible for team training and evaluating results.
- Bachelor's Degree in mechanical engineering or related field.
- Minimum of five (5) years' experience with CNC metal machining and precision machining; lathes and mills
- CNC programming experience.
- Extensive knowledge of GD & T
- CAD based 3D modeling program creation experience a plus
- Strong project management background.
- Have strong Critical thinking skills and ability to solve challenging problems.
- Engineering applications such as AutoCad, Solldworks to perform new design.
- Evaluate and offer improvements in the manufacturing by ways of designing and programming,

applying knowledge of software, systems and data to product design.

- Self motivated and the ability to take corrective action as necessary.
- Relies on extensive experience and judgment to plan and accomplish goals.
- Reports to engineering manager.
- Leverage and use Global Shop ERP System to document actions by completing required documentation for all products. (electronic logs).
- Participate in training and exploring opportunities to add value to job accomplishments.
- Maintains safe operations by keeping work area clean and organized and by adhering to safety procedures and regulations.
- Demonstrating work behaviors consistent with the company values and work within prescribed boundaries, including company policies, standards, and procedures.

Competencies

- **Technical Skills** - Strives to continuously build knowledge and skills.
- **Oral Communication** - Listens and gets clarification.
- **Written Communication** - Writes clearly and informatively, Presents numerical data effectively; Able to read and interpret written information.
- **Teamwork** - Supports everyone's efforts to succeed

Language Skills:

- Ability to read and speak English in order to comprehend and participate in safety, hazard communication, company meetings and continuous training.
- Ability to use and understand basic computer skills.
- Reliable transportation

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. All required PPE must be observed in all departments.

The table below illustrates the frequency and types of physical requirements for this job.

Physical Requirements	Frequency
required to lift/carry objects weighing less than 15 pounds	routinely (26% - 75%)
lift/carry objects weighing between 15 and 44 pounds	rarely (0% - 5%)
required to lift/carry objects weighing 45 pounds and over	routinely (26% - 75%)
stand	often (26 > 75%)
walk	routinely (26% - 75%)
Kneel or sit	rarely (0% - 5%)
climb	rarely (0% - 5%)
reach above the shoulders	rarely (0% - 5%)
use hands to finger, handle, or feel objects, tools or controls	routinely (75%)
Vision - close	often (> 75%)
Vision - distant	routinely (26% - 75%)
Vision – color perception	often 75%)

Repetitive Motion / Repetitive Work	routinely (26% - 75%)
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WORK ENVIRONMENT:

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

Element	Frequency
Exposure to moving mechanical parts	often (> 75%)
Exposure to toxic or caustic chemicals	rarely (0% - 5%)
Risk of Electrical Shock	rarely (0% - 5%)
Nominal Noise Level	<80 db
Peak/Occasional Noise Level	>81 db