

# MILWAUKEE GEAR COMPANY

## JOB OPENING

**JOB TITLE:** Senior Process Engineer

**JOB CODE:** 46.09

**DEPARTMENT:** 12 – Engineering

**REVISED:** 10/05/09

### **JOB PURPOSE AND REPORTING STRUCTURE:**

Under the direction of the Director of Operations, the Senior Process Engineer conducts specialized manufacturing engineering assignments to develop new tooling and machine methods, cost estimates, and/or resolve engineering problems involved in manufacturing of standard or new tools and gauges.

### **ESSENTIAL DUTIES AND RESPONSIBILITIES:**

Includes the following, other duties may be assigned.

- Supervises and participates in projects to improve worker productivity, production output, and quality by improving manufacturing systems.
- Evaluates methods, processes, tooling, equipment, new manufacturing technology and performance monitoring systems.
- Recommend and procure machines and equipment as directed by management.
- Reviews and checks customer prints for accuracy of product specifications, geometry, dimensions, and quality standards. Verify and discuss with customer as needed.
- Confers with design engineers and staff concerning product design and tooling in an effort to reduce costs and ensure efficient production methods.
- Estimates production times, tooling and 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.
- Monitors new developments in the area of gear manufacturing.
- Supplies CNC machine operators with programs and information to economically produce parts.
- Employee development and training documentation.
- Maintain ISO procedures.

## **SENIOR PROCESS ENGINEER**

### **QUALIFICATION REQUIREMENTS:**

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 AND/OR EXPERIENCE:**

Requires education generally equivalent to a bachelor's degree from a four-year college or university with course work in production and process engineering and five years related experience.

### **LANGUAGE SKILLS:**

Ability to read, analyze, and interpret professional journals, technical procedures, customer specifications and blueprints. Ability to write reports and job specifications. Ability to effectively present information and respond to questions from groups of managers, clients, customers, and other employees in the organization.

### **MATHEMATICAL SKILLS:**

Ability to work with mathematical concepts such as 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 in mathematical or diagram form and deal with several abstract and concrete variables.

### **OTHER SKILLS AND ABILITIES:**

Requires the ability to operate various equipment to include a computer, calculator, telephone, blue print machine, micrometer, optical comparator, plotter, and various drafting equipment. Must be knowledgeable and familiar with applicable ISO 9000 and quality system requirements and policies.

### **PHYSICAL DEMANDS:**

While performing the duties of this job, the employee is regularly required to sit. The employee frequently is required to use hands to finger, handle, or feel objects, tools, or controls; reach with hands and arms; and talk or hear. The employee is occasionally required to stand and walk. The employee must occasionally lift and/or move up to 40 pounds. Specific vision abilities required by this job include close vision.

### **WORK ENVIRONMENT:**

While performing the duties of this job, the employee occasionally works near moving mechanical parts. The noise level in the work environment is usually moderate.