

<p>M. A. FORD MANUFACTURING COMPANY, INC. Job Description</p>

Job Title: Production Engineer

Dept: Manufacturing

Status: Exempt

JOB PURPOSE AND REPORTING STRUCTURE: The Production Engineer will work with manufacturing personnel to improve manufacturing productivity, product quality, and employee safety. This position is a “hands on” position that will first require the Engineer to master the production process. The Production Engineer will also work with Design Engineering and Research & Development to ensure that manufacturing processes are capable for new tool development projects.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- A.** Adhere to all applicable regulations, policies, and procedures for health, safety, and environmental compliance.
- B.** Inspect finished products, raw material, and work in process for quality and adherence to customer specifications.
- C.** Set up and operate production equipment in accordance with current good manufacturing practices and standard operating procedures.
- D.** Calibrate or adjust equipment to ensure quality production, using tools such as calipers, micrometers, shadow graphs..
- E.** Setup and verify the functionality of safety equipment. .
- F.** Monitor and adjust production processes or equipment for quality and productivity.
- G.** Troubleshoot problems with equipment or products.
- H.** Test products for functionality and quality.
- I.** Plan and layout work to meet production and schedule requirements.
- J.** Start up and shut down production equipment.
- K.** Develops production standards that facilitates design for manufacturability and meets industry leading customer requirements.

SUPERVISORY RESPONSIBILITIES:

- A.** May have supervisory responsibilities over cell production personnel and is responsible for implementing company policies.

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 and/or EXPERIENCE:

- A. Requires a 4-year Bachelor of Science degree in engineering from an accredited institution, with 10 or more years of experience.
- B. Should have a strong background in mechanics, electronics, hydraulics, pneumatics, and CNC programming. Requires an understanding of the mechanics of the cutting processes with our tools and processing of our tools.

LANGUAGE SKILLS:

- A. Ability to read, analyze and interpret many forms of business documents including financial reports and technical manuals.

MATHEMATICAL SKILLS:

- A. Algebra and Geometry skills essential in addition to basic math skills.

REASONING ABILITY:

- A. Requires analytical thought process to design and improve processes. Requires good understanding of cutting tool design, and what is critical to end-user.
- B. Complexity level is high due to technical nature of the tasks involved.
- C. Mistakes made in specifications of new processes can be serious due to large capital expenditures required.

OTHER SKILLS AND ABILITIES:

- A. Ability to use computers and keyboards frequently and to occasionally use stereoscopes, tool scopes, and inspection equipment.
- B. Regularly works with confidential data of medium to high importance which if disclosed may be detrimental to the company's interests.

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.

- A. While performing the duties of this job, the employee is consistently required to use hands to finger, handle or touch and to talk or hear.
- B. Frequently required to sit.
- C. Occasionally required to stand, walk, and lift up to 20 lbs.
- D. Specific vision abilities required include close vision, distance vision, color vision, depth perception, and ability to adjust focus.

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.

- A. While performing duties of this job, the employee may occasionally be required to work near moving mechanical parts.
- B. To occasionally travel on work/job related issues.
- C. The employee may be occasionally exposed to fumes or airborne particles.
- D. The noise level in the work environment is usually moderate.
- E. The required protective equipment is safety glasses.

MANAGEMENT APPROVAL _____ DATE: _____

EMPLOYEE ACKNOWLEDGEMENT _____ DATE: _____

The above statements reflect the general details necessary to describe the principle functions of the occupation described and shall not be construed as a detailed description of all the work requirements that may be inherent in the occupation.