

**McAlpin Industries, Inc.**  
**Job Description**

**Job:** 1012

**Department:** Quality

**Job Title:** QC Technician

**Reports to:** Quality Manager

**General Job Summary:**

Performs part inspections at all phases of production. Supports Quality Engineering and Engineering with creating documentation for new product. Develops inspection programs for CMM inspection.

**Essential Duties and Responsibilities:**

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 individual with disabilities to perform the essential job functions.

- Follows all safety processes and procedures in accordance with the job and company policy
- Understands and follows all quality procedures
- Inspects parts for 1st piece, receiving, finals, and in-process Quality inspections
- Completes First Article Inspection reports and capability study measurements
- Develops inspection programs on the CMM/Vision system/Faro arm/Virtek
- Supports Quality Engineering with quality documents: FAIR template setup, PPAP documents, certifications, capability study reports, etc.
- Supports Engineering with creating manufacturing process control documents and quality plans using SolidWorks
- Assists in dispositioning product with quality issues, creating NCMRs, and setting up rework operations

**Supervisory Responsibilities:**

None

**Education**

High school diploma or general education degree (GED).  
Associate's degree (A.A.) preferred.  
ASQ Certification preferred or equivalent combination of education and experience.

**Experience**

3-5 years related experience or training

**Computer Skills:**

To perform this job successfully, an individual should have working knowledge of Microsoft Outlook, Microsoft Word, Microsoft Excel, and Internet Explorer. Familiar with CMM programming software. SolidWorks experience preferred. Minitab experience a plus.

**Other Requirements:**

Sheet metal fabrication experience preferred. Understanding and utilization of micrometers, verniers and scales (rulers), height gauges, protractors and optical comparators and coordinate measuring machines (CMM/PC-DMIS). Must have working knowledge of GD&T. Strong math skills with an emphasis on trigonometry and be able to work in inches and millimeters. Advanced measuring equipment (Romer arm, Faro arm, Virtek) experience helpful.

**Language Skills:**

High Skills: 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 the general public.

**Mathematical Skills:**

High Skills: 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. Must have working knowledge of bi-lateral and uni-lateral tolerances.

**Reasoning Ability:**

Very High Skills: 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.

**Physical Demands:**

The physical demands described here are representative of those that must be met by an Associate to successfully perform 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 Associate is regularly required to walk; sit; maneuver through the office and factory; use hands to finger, handle, or feel and lift and/or move up to 50 pounds and parts sizes of 3' x 3'.

**PPE:**

Must wear safety glasses with side shields and steel toe/composite shoes while on the production floor. Gloves may be required if handling parts. Hearing protection is required in designated areas.

**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 within the described work environment.

While performing the duties of this job the employee is regularly exposed to wet and/or humid conditions; extreme heat; and extreme cold and the noise level in the work environment is usually loud.