



## Mechanical Inspector III

<b>Date:</b>	June 15, 2017	<b>Job Family:</b>	Technical/Production
<b>Department:</b>	Quality	<b>Job Group:</b>	Production
<b>Reports to:</b>	Manager of Quality Services	<b>OT Status:</b>	Non- Exempt
<b>Location:</b>	Monticello, MN	<b>Relocation Available:</b>	No
<b>Openings:</b>	Day Shift Monday-Thursday 6:00am-4:30pm		

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### Job Summary

The Mechanical Inspector III will inspect and disposition products using gauges, coordinate measuring machine, scales, and vision to ensure products are consistent with established standards, customer specifications and production goals.

### Essential Functions

*The primary duties and responsibilities of the Mechanical Inspector III consist of but are not limited to:*

#### **In addition to level Mechanical Inspector II**

- Under very limited supervision performs a variety of inspection functions including: First piece off machine, parts / products or materials being produced in house or received from suppliers.
- Uses a variety of inspection measuring instruments including electronic devices, comparators, Vision systems – Does not include programming
- Focus on new product both first piece and first article inspections
- Help quality engineering develop inspection methods and rates
- Member of the MRB board- Helps with disposition on products and materials
- Checks color, finish, dimensions, hardness, chemical composition of parts and materials
- Performs detailed first article inspections
- Establish and document UMC mechanical inspection best practices
- Works with machinists to assist in inspection methods
- Recommend modification of sampling or inspection procedures
- Oversee Level 2 inspectors
- Use and understanding of statistical software (QC- calc / QC gauge)
- Accurately and reliably enter data into quality and MRP systems and instruct / train others in these systems
- Interpret CMM/ vision system readouts
- Communicate with Engineering, CMM/VCMM programmers, Quality and Metrology Engineers on technical information
- Performing source inspections
- Auditing and qualifying suppliers
- Work with outside sales resources
- Prolonged sitting up to 5.5 hours, with change of position as needed
- Visual acuity

- Fine motor dexterity
- Frequent use of hands and upper extremities in fine and gross manipulation with parts
- Prolonged standing/walking ranging from 2-4 hours as needed for inspection task
- Lifting Requirements: 40 LBS

#### Qualifications

- Minimum Requirements - Graduate of High School
- ASQ certified mechanical Inspector - Preferred
- 7+ years of experience working in Quality Inspection in a manufacturing environment. Machinist background preferred
- Experience with visual inspection, VCMM, and CMM Machines

#### Accountabilities

- Quantifiably ensure compliance of dimensional accuracy of a part
- Communicate areas of concern as it relates to the dimensional accuracy

#### Authorities

- Authority to stop processes if necessary
- Decision making of non conformance status for part and material quality dimensionally, cosmetically, and certification (proper paperwork)
- Create non conformances in system if warranted
- Final arbitrator of non-conformance status
- Scrap parts under guidelines of work instruction

#### Competencies

- Advanced in understanding of GD&T with ability to open layout complex inspections
- Strong mathematic skills
- Understanding of Coordinate Measuring Machine methodologies
- Experience working in an ERP system
- Ability to accurately perform multiple tasks in a fast-paced environment to assure delivery requirements
- Excellent communication skills both verbal and written
- Ability to keep accurate records
- Ability to follow documented procedures and standards
- Excellent time-management skills with the ability to work independently with little supervision

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