



Job Description

Mechanical Inspector III
Non-Exempt
Full Time

Job Summary:

The Mechanical Inspector III will provide high level technical support and oversight of all P&F related inspection activities.

Essential Functions:

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

- Perform GD&T mechanical inspection of parts and materials using a variety of electronic instruments, in a manual mode, including electronic height gages, comparators, CMM, micrometers, calipers, thread gages and pin gages for feature of size characteristics.
- Perform visual inspection of parts and materials using unaided eye and magnification.
- Perform 100% inspection on parts and materials as directed.
- Perform CMM inspection, interpret reports and readouts, for conformance to specifications, using established programs.
- Under limited supervision performs a variety of inspection functions including: detailed first article inspections, in-process, final, and receiving inspection of machined parts or materials being received from suppliers.
- Facilitate inspection related 5s & continuous improvement initiatives.
- Assists operations, quality and engineering in identifying inspection methodologies.
- Provides print review input regarding GD&T and measurement constraints, interpreting blueprint requirements and inspecting difficult to measure characteristics.
- Ensure segregation and identification of non-conforming product.
- Effectively communicates visual defect and technical areas of concern regarding dimensional accuracy and compliance with production, customers and suppliers.
- Ability to complete special inspection projects with direction.
- Performs detailed first article inspections.
- Works with machinists to assist in inspection methods and to troubleshoot dimensional issues.
- Accurate and reliable user of quality and MRP systems.
- Independently manages and maintains workflow and priority requirements.
- Oversee Level I & II Inspectors (technical and workflow).
- Mentors and trains Level I & II Inspectors.
- Effectively communicates with production and others technical areas of concern regarding dimensional accuracy and compliance.
- Perform other tasks as directed by supervisor.
- All essential functions must be performed in an efficient manner.



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Accountabilities:

- Facilitate a continuous improvement culture.
- Facilitate an efficient culture.
- Foster a team-oriented quality ownership culture.
- Ensure compliance to QMS requirements.
- Quantifiably ensure compliance of dimensional accuracy of parts and materials.
- Ensure visual requirement compliance of parts and materials.
- Ensure identification and containment of all suspect / nonconforming products.
- Communicate areas of concern as it relates to the dimensional accuracy and visual requirements.
- Understands that attendance and punctuality affect team morale.

Authorities:

- Stop processes and shipments due to quality concerns if necessary.
- Nonconforming of product, materials or gages.
- Selection of inspection methodologies.
- Communicate to management issues with product and process conformance.
- Release approval for 1st piece, receiving and final inspection.
- Suggest process improvements.

Competencies:

- Intermediate understanding of GD&T.
- Working knowledge of 3D metrology.
- Applied understanding of process capability and Gage R&R theory.
- Working understanding of machining processes.
- Understanding of Coordinate Measuring Machine (run and interpret reports).
- Experience working in an ERP system.
- Ability to keep accurate records.
- Ability to follow documented procedures and standards.
- Ability to effectively mentor others.
- Ability to work independently and accurately perform multiple tasks in a fast-paced environment to assure delivery requirements.
- Strong attention to detail.
- Strong mathematic skills.
- Visual acuity.
- Fine motor dexterity.
- Effective user of computer.
- Basic working knowledge of Microsoft Windows and Office.
- Must demonstrate superb problem-solving skills.
- Excellent communication skills both verbal and written.



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Qualifications:

Education:

- High school diploma (required).

Certifications:

- ASQ Certified Mechanical Inspector (preferred).

Background

- Minimum of 5 years of experience working in Quality Inspection in a manufacturing environment.
- Machining experience (preferred).
- Experience operating a CMM or VCM.
- Minimum 1 year experience programming a CMM or VCMM.