

Trainee Junior Quality Control Inspector

Reporting to the Quality Manager, the position is responsible for assigned aspects of Quality within in Canadian Babbitt Bearings Ltd.

Principle Responsibilities and Accountabilities

The Trainee Junior Quality Control Inspector is required to ensure products meet standards of quality, standards and safety, contribute to and improve CBB's Quality System and continuous improvement programs:

Must be familiar with various departments following initial in house training such as but not limited to the following:

Deburr

CNC Machines – Lathe and Mill

Shipping and receiving

Babbitting and cleaning

Experience & Knowledge

Canadian Babbitt Bearings Ltd., manufactures and repairs different forms of critical bearings used in the energy, marine and industrial sectors. In addition, CBB manufactures associated industrial products. Understanding and experience of manufacturing with different materials, specifications, complex turning and five-axis machining, assembly and special processes is a significant asset.

- Perform visual and dimensional inspections including FAI and Final Inspection on various manufactured components and assemblies in compliance with the company's Quality Assurance System and associated standards and customer requirements to meet and exceed the needs of the business.
 - Perform incoming inspection as per requirements utilizing the Romer arm as a CMM and as a 3D Scanners as appropriate and various measuring equipment. Create incoming inspection reports for customer review.
 - Create CMM programs accurately and efficiently. Perform manual measurements on the CMM when required.
 - Perform in-process inspections as required utilizing the CMM as well as shop floor inspection equipment. This includes First Offs and operation validation with appropriate disposition
 - Review and manage NDT and Material Certifications, hard and soft copies. Certifications to be stored for easy retrieval and retained accordingly.
 - Perform final inspections and complete and compile all required quality reports/documents for customer submission.
- Prepare and fully document required inspection reports and associated documents
- Validate and perform in-process inspections
- Perform First Article Inspections, work to control plans and ITP's
- Calibration and calibration management
- Contributes and participates actively in continuous improvement activities, promote quality achievement and performance improvement throughout the organization.

Ability to communicate and manage customers internally is a key attribute

Experience & Knowledge

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- Experience/knowledge of quality requirements ○ Familiarity with process specifications and quality requirements ○ Familiarity with international and national standards and legislation ○ Experience in quality systems. ○ Machining close tolerance components
 - Hands on ability with various measurement techniques
- Ability to work to standards and establish clearly defined quality methods to apply
- Ability to understand and read complex design drawings (metric/imperial) and GD&T
- Must be able to read and interpret complex drawings and 3D Models (metric & imperial)
- Ability to use manual measuring tools
- Ability to determine the best measurement method for the specific function
- Ability to prepare clear explanatory documents
- Familiar with ISO9001 and Z299 (Nuclear)
- MS Office with strong MS Excel skills
- Ability to work with solid models is an asset
- Understanding of Lean principles and single piece flow manufacturing constraint management ○ *Data analysis and current state value stream analysis.* ○ *Future state value stream mapping.* ○ *Setup reduction.* ○ *Standard work.* ○ *Standardization of tooling.* ○ *Mistake proofing (Poke Yoke).* ○ *5S.* ○ *Lead-time reduction.*
 - *Process improvement by waste and defect elimination.*

Education/Certifications/Licenses

- B.Sc. degree in mechanical engineering and quality associated discipline or equivalent experience
- Appropriate quality certifications

Physical Demands and Environment

The physical requirements include exposure to both office and production environments that contains noise, dust and fumes. The physical effort of this position is moderate with some lifting, standing, walking and carrying involved. Most time is spent sitting at a desk, where fine finger movement is required to operate general office equipment and personal computers. The environment is fast paced and requires meeting deadlines and verifying product quality within time constraints. Will work independently in an unstructured environment and understands, respects, and adheres to the workplace Health and Safety rules and regulations. Occasional travel to customers or suppliers is required.