|  |
| --- |
| **Job Description** |
| Job Title: | CMM Quality Inspector/Technician |
| Department: | Quality |
| Reporting to: | Quality Manager |
| Primary Location: | 191 Plymbridge Road, Estover, Plymouth, PL6 7JS |
| Job purpose Summary:CMM Quality Inspectors/Technicians will support the business’s engineering and manufacturing contract through all first off submissions and final inspections. To work closely with the staff on the shop floor in Milling, Turning, Finishing, Quality, Assembly and Dispatch.Key Responsibilities & Accountabilities:* CNC CMM operation, programming
* Maintaining and updating CMM program database to support operator use
* First off review and approval using fastest method for required precision (manual tools or specialized equipment) covering the complete scope of the job pack and customer requirements, process requirements and Control Plan I.E. checking part against drawing or solid model and issue status, all features complete to the operation being machined, all sizes not just within tolerances but as close to mid limit as possible (unless otherwise indicated), all finishes to be to an acceptable standard reflective of the method of machining, all features are complete, correctly positioned and oriented
* Provide support to shop floor staff relating to in-progress inspection, measuring techniques and understanding of Control Plan, driving In-Process inspections on the shop floor
* Performing shop floor patrol inspections to pick up any issues in earliest stage possible
* Coordinate shop floor measuring equipment and gauges cabinet ensuring that all equipment is calibrated and in correct location
* Championing Quality on the shop floor, mentoring cell leaders, setters and operators in regards to Quality topics,
* ensuring that all Non-Conforming product is correctly labelled and placed in MRB area, performing pre-MRB review if required
* Following connected to activity processes defined by AS9100 QMS connected to job activity (SOP 07.02, SOP 07.03, SOP 08.02)
* Using knowledge of the manufacturing process you will update and maintain control plans to highlight key features of parts.

With this in mind, the level of understanding of the part / drawing and knowledge of the machining process required by the inspector is not just measuring parts but being a critical eye for all aspects of the quality parts on a level with the setter if not technically greater than the setter as the person who will offer guidance regarding the parts critical features will quite often be the inspection team.Additional Information:Flexibility with overtime requirement  |
| **Person Specification** |
|  | **Essential** | **Desirable** |
| **Education/Qualification** | Min 2-3y. work place experience in Quality Inspection | * Degree in Mechanical Engineering
* NVQ Quality Inspection or
 |
| **Experience** | * CNC measuring equipment programming and operation
* Experience in Quality Inspection in milling or turning environment
 | * Mitutoyo CNC CMM programming
* Quality Engineering in Automotive / Aerospace industry.
* Working to AS9100 or any other aviation industry standards.
* FAI preparation
 |
| **Skills** | * Good understanding of tolerances and how this affects measuring techniques
* Use of basic measurement equipment (gauges, callipers, micrometres, height gauge, shadowgraph).
* Organizational skills, accuracy and an attention to detail
 | * Reverse engineering
* Knowledge of CNC program writing for Mitutoyo equipment
* CAD modelling, model manipulation
* CAM programming for 3Ax 4Ax 5Ax milling
 |
| **Behaviors** | * Capable of working with minimal supervision
* Capable multi-tasker
* Dynamic
* Flexible approach
* Enthusiastic
 | * Excellent problem-solver
* Verbal and Written communication.
 |
| **Personal Qualities** | * A willingness to learn and develop further
* Ability to build relationships with people at all levels
* Can-do attitude
 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Reviewed By: | Peter Selley; Martin Knight | Date: | 28/04/2015 |
| Approved By: | Peter Selley | Date: | 28/04/2015 |
| Last Updated By: | Chris Nicholls | Date: | 06/10/2017 |