



JOB DESCRIPTION & PERSON SPECIFICATION

JD No:	
Job title:	Dimensional Inspector
Division/Department:	Technical
Reports to:	Machine Shop Technical Manager

The purpose of the job:	To carry out Dimensional Inspection and Mark Out on cast, forged or wrought products and generate associated documentation.
The scope of the job:	The Inspectors ensure that components are inspected fully, and confirmed as conforming or non-conforming to the drawings. It is their responsibility to ensure product dimensional conformity. Inspectors are also required to assist in the setting up of components for machining, and also fit up and assembly of complex welded fabrications. All inspectors are expected to be responsible and accountable for their own work and, whilst the supporting Supervisors and Managers maintain the system and provide appropriate support, it is the Inspectors who measure and confirm acceptance of the components. The duties of this role include selection of the appropriate method and equipment to perform the inspection; checking and, where necessary, performing pre-use calibration checks on FARO and Laser scanning equipment; performing inspections; interpreting the results of these inspections and; accepting responsibility for and reporting these results.
The responsibilities of the job:	<ul style="list-style-type: none">• Perform Inspection in all areas within the company (Machine Shops, Forge, Foundry, Rolls etc.) and off-site as and when required. Be willing to travel within the UK and abroad if requested. Visit internal and external machine shops to assist with issues as required.• Dimensional Inspection/Mark Out of castings/forgings for, and after machining, to ensure conformance to drawing. ~• Inspect castings/forgings using traditional inspection equipment micrometers, verniers etc.



	<ul style="list-style-type: none">• Inspect castings/forgings using Faro Arm's, Laser scanners and trackers, and any other measuring equipment as required.• Assist in the set-up of items for machining to ensure drawing conformance.• Perform witnessed inspections with visiting customer inspectors as required.• Liaise with Foundry, Forge, Machine Shop personnel to ensure that items for inspection are correctly identified and safely located.• Assist Fettleers, Burners, Welder, Machinist etc. to understand any dimensional issues they may have and supply any measuring aids if required, Templates etc.• Liaise with supervision to ensure they understand the requirements resulting from the Mark Out / inspection of a casting/forging.• Liaise with the Methods/Production Planning/Technical Departments to obtain information that may be required to Mark Out / Inspect a casting/forging.• Produce Mark Out reports & As Built reports.• Produce & Log Work Sheets for defective parts.• Assist with the preparation of documents to meet customer requirements.• Maintain work records for all operations undertaken.• Attend PFMEA meetings.• Create Visual Fair reports.• Record worked hours for costing purposes including additional costs associated with non-standard operations utilising Mestec or other software.• Assist in the resolution of NCR's, CAR's and customer complaints.• Undergo training both internally and externally as necessary to meet order book contractual requirements inclusive of technology complimentary to dimensional inspection.• Adhere to Health & Safety rules and regulations, undergo training at internal/external source as necessary to meet H&S requirements.• Operate Fork Truck, Pendant Crane etc. (If trained & competent, seek training if not trained)
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	<ul style="list-style-type: none"> • To be able to create risk assessments for any new lift/setup of a casting/forging as necessary. Attend any required risk assessment training. • Assist with training/mentoring of new starters and apprentices. • Any other duties commensurate with this role
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Person Specification:

Specific qualifications required for the role: (Insert more rows if required)	Essential	Desirable
Dimensional Inspection & Mark Out Competence Certificate		Y
Near Vision Acuity J1	Y	
Apprentice trained (Engineering / Machinist)		Y
Skills, attributes & knowledge required: (Insert more rows if required)	Essential	Desirable
Experience in mark out & dimensional inspection of castings/forgings.		Y
Computer literate – Can use Microsoft Word and Excel at a basic level	Y	
GCSE or equivalent level of education including Mathematics and Trigonometry		Y
Knowledge of metal processing routes including, casting, forging, heat treatment, fettling, welding, machining	Y	
Experience of working alongside external visitors inspectors & customers	Y	
Ability to read and interpret technical drawings	Y	
Experience of preparing excavation blanks with good level of attention to detail	Y	
Experience of mentoring NDT Technicians or Apprentices		Y
Personal qualities: (Insert more rows if required)	Essential	Desirable
Self-motivated	Y	
Excellent communication and inter personal skills	Y	



Good timekeeping	Y	
Willing to learn and develop new skills	Y	
Willing to undertake shift work.	Y	
Willingness to travel within the UK and abroad	Y	