



Senior Design Engineer

Job Description

Department:	Design
Location:	Lancaster
Reports to (Position):	Design Manager

Position Description; Scope of the role:

Lead the development of concept and existing products.

Work with customers and suppliers and integrate with Marketing, sales and project management. Make design layouts in Autodesk Suite of products.

Perform finite elemental analysis through computer simulation.

Produce detail engineering and assembly drawings for manufacturing, testing and verification and conformance of design outputs to meet design inputs and oversee testing.

Supervisory & Line Management Responsibilities:

Design Engineers & Trainee Design Engineer

Main Responsibilities and Activities:

- Produce engineering documents
- Perform finite analysis
- Produce test procedures, reports and manuals
- Contact customers and suppliers for technical support to project managers
- Analyse and solve technical problems and provide solutions in a timely manner
- Investigate new technologies or existing technologies

Critical Factors and Competence Requirements	
Status Codes: E = Essential requirement that must be met before a candidate is appointed P = Preferred requirement. Candidate may be appointed, with discretion, without full achievement of criterion but the indicated competence should be developed	
Management, Supervisory and Technical Competencies	E or P
• Business Issues Awareness	P
• Business Performance Management	E
• Decision Making	E
• Inter Personal Skills	E
• Leadership	E
• People Performance Management	E
• Customer relationships	E
• Supplier relationships	P
• Commercial awareness	E
• Administration processes	P
• Engineer cost reductions	E
• Competent in Excel Spreadsheet	P
• Competent in Office word documents	P
• Able to perform structural hand calculation skills	E
• Working knowledge of hydraulic systems	E
• Good knowledge of metals, alloys and phosphorous	E

Qualifications / Experience	E or P
• Msc in Mechanical Engineering	E
• At least 5 years design engineering experience	E
• Mathcad and Autodesk software proficient	P

Personal Skills / Physical Requirements	E or P
• Must be self confident, enthusiastic, smart and personable individual	E
• Good team working and communication	E
• Honesty and discretion	E
• Good organisation skills	E
• Accuracy, diligent and meet strict deadlines	E
• Plan, implement and promote change and new ways of working in your area of responsibility	P