

## Mechanical Design Engineer

**REPORTING TO: DO/DFM Group Lead**  
**LOCATION: Shipley, West Yorkshire**

An excellent opportunity has arisen for a Mechanical Design Engineer to work part as a team taking the responsibility for the mechanical solution of the product. The successful candidate will take basic outline design information and applying practical methods and theory, transform it into a mechanical design fit for purpose using Inventor (3D modelling). Creating Autocad drawings using Inventor that conform to both BS8888 and Teledyne's standards. Working closely with the Electronic & RF Design Engineers to achieve the correct engineering solution for the design requirements.

### Main responsibilities for this role are:

- To provide mechanical engineering design and drawings as part of the Design Engineering Team using Autodesk Inventor for component, assembly and complete product design
- To design mechanical models and design for RF devices and sub systems
- To provide mechanical design and drawing for jigs and fixtures
- To provide mechanical verification and implementation for new and existing products
- To ensure design for manufacture is applied throughout the project
- Consider cost implications of designs and processes ensuring that products can be manufactured in the most cost effective manner
- To design, produce and update drawings ensuring that products are suitable for production
- To attend and contribute to design, project and process improvement meetings.
- To apply mechanical engineering best practice and design products for manufacturing, questioning design standards by suggesting cost effective, easier and improved solutions
- Conduct research into new materials, parts and processes
- Prepare documentation for and attend design reviews
- Ensure procedures for the creation, storage and distribution of drawings are followed
- To react to change notes from Configuration Control, updating drawings in accordance with data provided and amending errors of own and others
- To ensure the delivery of all project phases are on time using the companies NPI procedure
- To check peers drawing content and conformance to standards
- Foster and maintain good Customer and Supplier relations

### The successful candidate will be able to satisfy the following requirements:

- Experience of developing volume manufacturing solutions for RF products is essential
- Degree level or equivalent
- Experience of test solution design and development
- Experience of leading small teams
- Experience communicating with customers verbally and in written forms
- Strong listening and problem solving skills
- Ability to understand and document information
- Experience of general RF Test equipment (signal generators, spectrum analysers, network analysers)
- Have experience with EM simulation tools for filter design CST, HFSS etc.
- Have experience with other microwave design tools AWR, ADS etc.
- Good communication skills – able to understand and report tasks, risks etc.
- Team working – both with peers and support staff
- The successful candidate must be security clearable up to SC level

### How to apply:

Please forward your CV to Kara De Souza, Recruitment Manager, Teledyne Defence & Space, Airedale House, Acorn Park, Shipley, West Yorkshire BD17 7SW or via email: [kara.desouza@teledyne.com](mailto:kara.desouza@teledyne.com) or [jobs-tdl@teledyne.com](mailto:jobs-tdl@teledyne.com)