

TMD TECHNOLOGIES VACANCY

Title: Senior Engineer (Tubes)

Responsible to: Head of Tubes

Scope:

TMD designs and manufacture high power electronic and microwave systems to operate reliably in the harshest environments. This is a demanding role for a senior engineer who will be responsible for the design and development of microwave tubes. He or she will be required to work collaborate with design, production engineering and manufacturing teams to provide a robust, repeatable and reliable tube design within cost and time line. This role also requires individual to support key product lines as a technical authority, and support NPI process through to production readiness review.

This role is also key to providing design solution and technical support to sales team during bid process and customer where necessary.

Main Duties:

- To design and develop robust tube designs to time and cost
- To lead feasibility design concepts at bid and scope stage, provide cost estimates for development of such concepts
- To evaluate design requirements and develop mechanical designs capable of meeting all aspects of the specification and enable efficient manufacturing (DFMA)
- To develop mechanical structures and assemblies with full consideration of component tolerances to ensure consistent manufacture.
- Design to withstand the effects of heat, vibration, shock and acceleration.
- To investigate and solve production problems
- To support build transition from design into manufacture
- To analyse yield for relevant product lines, ensuring target is maintained. Driving thorough root cause analysis and permanent resolution.
- Translate customer specification into test ATP and DVT (where appropriate) internal specification for test engineers to use.
- To ensure that configuration control practices are maintained, in line with the appropriate company procedures.

- Drive PV programmes to completion within budget.
 - Review customer returns ensuring resolutions are driven into tube design and build processes.
 - Collaborate in engineering forums, presenting key achievements in design or problem solving to create a 'learning environment'
 - Support bid process
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- Drive NPI, taking ownership for completing preliminary and critical design reviews and handover through Production Readiness Review and Test Readiness Review to Operations.
 - To comply with the Company's Health and Safety policy.

Qualifications:

- Degree level relevant qualification in Physics or relevant subject

Experience & Other Qualities:

- Knowledge of tube design and parameter trade offs
- Familiar with CST
- Strong knowledge of RF test
- Experience of designing for manufacture and assembly
- Familiar with production build processes within tubes environment
- Material and process knowledge within a vacuum technology product platform
- Driving development to cost and time.

Job Reference: Senior Engineer (Tubes) 20 /03/2017

Note for Recruitment Agencies

We have a dedicated HR team that manages TMD recruitment. With the help of our PSL, Company Website and online advertising we plan to occupy our vacancies. CVs will only be accepted from the above mentioned methods. TMD will contact recruitment agencies should we wish to engage their services; please do not contact us as CVs will not be accepted.



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