



Example of Lead Mechanical Engineer Job Description

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Our company is looking for a lead mechanical engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

Responsibilities for lead mechanical engineer

- Perform dimensional fit tolerance analysis including thermal effects
- Technology and Function creation
- Be responsible for the qualification and approval of Electronic / Active components including component characterization and physical analysis
- Provide support with alternate sourcing, end of life components
- Provide support with failure mode analysis, addressing quality complaints, working closely with component manufacturers to ensure corrective actions are implemented
- Survey / Assess Supplier capabilities, act as key technical liaison with suppliers, co-ordinate technical roadmap discussions
- Be responsible for evaluating new Active Component technologies and suppliers
- Be responsible for evaluating New Material & Process Technologies
- Understand the Physics of Failure of Active Components
- Be responsible for reviewing and approving new part requests and maintaining integrity of the data in the internal PLM

Qualifications for lead mechanical engineer

- Knowledgeable user of 3D CAD tools (Solidworks, Pro/Engineer)
- Demonstrable experience of working in multiple disciplines (electrical, mechanical) design teams
- Experience of Design for Manufacture and Assembly in a high product mix environment

- Knowledge of 3D design tools (Creo) and finite element method (FEM) analysis (Ansys)
- Some experience in an engineering position