



Example of Mechanical Engineer Design Job Description

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Our growing company is looking to fill the role of mechanical engineer design. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for mechanical engineer design

- Mechanical design of equipment for cement plants, including calculations and documentation
- Technical drawings and design work in SolidWorks
- Lead and coordinate the design and development of new product concepts, new products, or improvements to existing products
- Consults with designers, other design or test engineers, product managers, customer service personnel, and manufacturing engineers on proposed product designs
- Design for multiple fabrication and material methods
- Ensure that design implementation, test and maintenance methods/processes are developed and executed in a manner, which supports all company quality standards
- Detailed knowledge of turbine airfoil design and best practices
- Setup, testing and debug of electromechanical systems
- Work with R&D Engineers to develop new products from conception to production release
- Provide details on component descriptions and purchase accordingly

Qualifications for mechanical engineer design

- Permanent resident or authorized to work in US

- BS degree in Engineering from an accredited engineering school and a minimum of ten (10) years of related engineering experience, or a MS degree from an accredited engineering school and eight (8) years of related engineering experience, or Ph.D
- Bachelor of Science degree in Mechanical Engineering (BSME)
- 8+ years electronics packaging experience with detailed knowledge of design principles and issues
- Experience performing dynamic structural analysis