

Mechanical Engineer job description

Job brief

Mechanical engineering is one of the oldest branches of engineering. It is also a very popular branch of engineering. A mechanical engineer deals with machines of all kinds. They are employed in factories and industries. Most of their working hours are spent on shop floors, work shops and tool rooms.

Responsibilities

1. Research, design, evaluate and develop machines and tools.
2. Install and maintain machines applying engineering principles.
3. Work with power producing as well as power generating equipment. Generators are powerproducing machines. Power using machines include: refrigeration and air conditioningmachines. Elevators, escalators, material handling systems are some of the other power usingmachine that they have to work on.
4. Work on water, heat, gas, and steam operated machines and engines.
5. Study and analyze blue prints, technical drawings drawn with hand as well as computersand schematics.
6. Examine reasons of machine failure and locate exact problem. Suggest remedial measuresand give repair instructions.
7. May have to oversee production function and ensure that production is taking place as perthe set standards and procedures.
8. Help in hiring technicians and training them.

Requirements

- Undergraduate or graduate degree in mechanical engineering, preferred
- Extensive experience with Solidworks 3D

- Experience with mechanical design using metals, plastics, glass, and rubber
- Availability to work some nights for product testing, required
- Strong attention to detail
- Works independently and with minimal supervision
- Experience with Industrial Design, preferred
- Excellent organizational and communication skills
- Proficient in Microsoft Office software
- Ability to lift a minimum of 50lbs unassisted
- CQE Certification, desired
- Flexible schedule and ability to travel as needed,