



# Example of Senior Mechanical Design Engineer Job Description

Powered by [www.VelvetJobs.com](http://www.VelvetJobs.com)

Our company is growing rapidly and is looking to fill the role of senior mechanical design engineer. 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 senior mechanical design engineer

- Serve as a mentor to growing engineers, assist them with mastering DFSS principals as applied to the design, testing, and evaluation of complex mechanical systems
- Reviewing analysis reports
- Supporting fabrication engineering liaison
- Work closely with Engineering and Operations to ensure that existing outdoor lighting luminaries are adequately designed for manufacturing
- The responsibilities will include cost, material, manufacturing process analysis, identification and evaluation of alternatives, compliance, and tooling development
- Will be involved in the product development process before and after product introduction
- Acts as part of the process development work stream for Codman project teams
- In conjunction with R&D and Product management engineers develops equipment solutions for the processing of micro-catheters, stent systems, embolic coils and other medical devices
- Acts as liaison to vendors in regards to sourcing, developing and timely completion of tooling, fixtures and advanced assembly equipment
- Working from schematics, sketches and verbal instructions develops proposals and concepts for the efficient and robust production of small

## Qualifications for senior mechanical design engineer

- Have 5 years' experience designing electronic enclosures from concept through production
- Proficient in Solidworks (Modeling, Routing, Simulation, EPDM)
- Experience managing electrical/electronic enclosure/packaging vendors
- Experience with outdoor metal and plastic electronic enclosures
- Proficient with heat-load management analysis
- Proficient with electric wire harness design and routing