



# Example of FEA Engineer Job Description

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Our company is searching for experienced candidates for the position of FEA engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for FEA engineer

- Develop and implement new fixtures and tooling
- Translates the actual problem to the Finite Element Analysis (FEA) model
- Reviews project-related analysis results to ensure its accuracy
- Provides weight reduction suggestions for existing seating and furniture programs
- Responsible for reviewing the detailed mechanical engineering analysis and design on all components required for large, custom rotating equipment
- Plan, coordinate, and provide technical and project guidance to engineering teams
- Participate and contribute towards design practice work, share knowledge & assist in aligning the local team's competency with that of the global teams
- Participate in new software and new supplier qualification
- Work with Product Leadership teams to increase product performance to give a competitive advantage
- Give inputs/specifications to the ITO Risk Assessment process when requested, driving subsequent mitigation plan if required

## Qualifications for FEA engineer

- The ideal candidate will have 3+ years of experience in advanced Finite Element Analysis (FEA) in high volume consumer electronic products and/or modules

- The ideal candidate will have expertise in FEA structural analysis for high-volume consumer electric products
- FEA experience with drop, shock, thermal and electromagnetic analyses is a definite plus
- Solid background and skills in FEA, solid mechanics, dynamics, heat transfer and/or electromagnetic
- Experience with miniature actuators such as MEMS, VCM or Piezo