

# Job Description

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Job Title: Senior Mechanical Engineer

Document Owner: HR Assistant

This job reports to Director of Project Engineering according to CGC Organizational Chart.

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## **PURPOSE OF JOB:**

The Senior Mechanical Engineer coordinates the design and adherence to customers specification for all machine projects. Completes assigned engineering projects in accordance with customers specifications within budget and time constraints, coordinating all the required resources necessary for the successful execution of the project.

## **JOB DUTIES AND RESPONSIBILITIES:** (performs some or all of the following)

- Represent the Mechanical Engineering Department in the machine build process.
- Review all machine design projects, with mechanical engineering.
- Coordinate all project design reviews to ensure on time delivery and coherence to customer specifications.
- Work with engineer's to continually improve machine design and cost.
- Travel when necessary.
- The above description in no way states that these are the only duties to be performed by someone with this job title.

## **KNOWLEDGE & SKILLS REQUIRED:**

- Detailed knowledge of AutoCAD and Inventor or similar 3D modeling package.
- Strong ability to design complete special machines from ground up.
- Knowledge of design for Manufacturability as it pertains to machine design.
- Familiarity with Finite Element Analysis (FEA) software.
- Working knowledge of ERP systems.
- Detailed problem solving skills.
- Ability to motivate design team to ensure on time delivery of designs.

## **EDUCATION & EXPERIENCE REQUIRED:**

- Bachelors degree in Mechanical Engineering, preferred.
- Minimum of ten years design experience with at least 5 years in concept role preferred.



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