

<b>Job title</b>	<i>Mechanical Design Engineer MEII</i>
<b>Reports to</b>	<i>Engineering Manager</i>

**Job purpose**

The mechanical designer's main responsibility is to produce cost effective and functional part models, assemblies, and drawings on time and on budget

**Duties and responsibilities**

- Solid Works - proficient in modeling, assemblies, drawings, sheet metal, weldments, BOM's, configurations, templates, etc.
- Take instruction from lead design engineer on concepts
- Ability to concept, design, and detail a project from start to finish (fabrications, sheet metal, tooling, etc.
- Responsible for maintaining budgeted hours and parts cost on individual projects
- Understanding of mechanical, fluid power, and electrical principles
- Design for manufacturability, cost effectiveness, and time reduction
- Work with vendors to obtain quotes and act as the buyer for these components
- Follow processes and procedures
- Specify manufactured and purchased parts for ordering and follow up
- Develop effective work orders with complete instructions
- Review and confirm proper assembly, fit, and function of designs.
- Rework reduction
- Engineering completeness
- Reusing existing design where feasible
- Documenting designs that can be re-used

## **Qualifications/Requirements**

- 5+ years of experience in designing custom equipment (robotic systems, material handling, special machines, fixtures)
- Knowledge of machine tools a plus
- Hands on shop assembly and/or machining a plus
- Mechanical design or engineering degree a plus but not required

## **Working conditions**

- Regular hours will be between Monday-Friday 7:30am - 4:00pm.
- Office, shop, or customer manufacturing site environment.
- Ability to sit and work at computer for an extended period of time.
- Ability to walk up numerous flights of stairs/ladders and/or work in tight spaces in extreme conditions as needed.
- May work near moving mechanical parts and equipment.
- May have to walk where floors are slippery at customer sites.
- Possible weekend, holiday or evening work as needed.
- Travel to customers for meetings will be required.

## **Physical requirements**

- Ability to lift and/or move up to 40 lbs.
- This job can involve sitting or standing for extended periods of time.
- The individual must have sufficient mobility, included but not limited to: bending, reaching, turning, kneeling, climbing stairs and ladders.
- The individual must be able to perform two-handed work.
- There is a possibility that due to parking availability and locations at end users, walking moderate to long distances at times may be required.

## **Benefits Include:**

- Medical insurance
- 401K with Company Match
- Supplemental Insurance such as dental
- Company Paid cell Phone
- Paid time off
- Short / Long Term Disability
- AD&D
- Life Insurance
- Paid holidays