



MECHANICAL ENGINEER DESIGNER

Job Title: Mechanical Engineer Designer
Department: Engineering
Reports To: Mechanical Design Coordinator
FLSA Status: Exempt

SUMMARY

The ME Designer at Test Products will work closely with management and requires a comprehensive knowledge of job functions, proficiency in applying sound engineering and project management principals; a working knowledge of industry practices, standards, and equipment; ability to develop and implement all aspects of multiple assigned projects; use of independent judgment; enhanced verbal and written communication skills; and ability to work with minimal supervision.

POSITION TYPE/EXPECTED HOURS OF WORK

This is a full-time position. Standard days and hours of work are Monday through Friday, 7:00 a.m. to 3:30 p.m. However, the ME Designer is expected to dedicate the time required to meet the company's strategic plan.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Design and install electrical manufacturing support systems for automotive facilities in a global environment
- Provide technical support for construction project development, design, planning, implementation, and renovations
- Provide applicable engineering construction drawings of noted systems with engineering designs that meet the customer needs and standards / codes applicable to the customers cost effective manner.
- Provide and/or develop technical expertise to design, install, troubleshoot mechanical support systems
- Provide and/or develop technical expertise to design, install, troubleshoot annealing issues, set-up.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Mechanical aptitude and problem analysis and resolution ability.



- Experience with and demonstrated proficiency with company’s CAD design tools (SolidWorks).
- Technological skills required with knowledge of operation’s manufacturing software, as well as Microsoft products, including Excel and Word in Windows environment.
- Organizational, detail, and follow-up skills.
- Leadership: a demonstrated ability to lead people and get results through others.
- Excellent interpersonal and communication skills, and a strong team player.
- Experience with electrical driven equipment and electrical control systems.

REQUIRED EDUCATION AND EXPERIENCE

- Bachelor’s Degree in Mechanical Engineering or Related Engineering field experience required.
- Master’s Degree in related field optional.
- 3 years direct experience with using solids-based CAD design tools.

LANGUAGE SKILLS

Effective ability to communicate orally or in written form effectively with co-management, and employees as needed.

REASONING ABILITY

Demonstrate the ability to anticipate and solve practical problems or resolve issues.

PHYSICAL DEMANDS/ WORK ENVIRONMENT

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodation may be made to enable individuals with disabilities to perform the essential functions.

Individuals may need to sit or stand as needed. May require walking primarily on a level surface for periodic periods throughout the day. Reaching above shoulder heights, below the waist or lifting as required. Proper lifting techniques is also required.

The performance of this position may require exposure to the manufacturing areas where under certain areas require the use of personal protective equipment such as safety glasses with side shields and hearing protection. Primary environment: ambient room temperatures, lighting and traditional office equipment as found in a typical office environment.

Printed Name

Date

Signature