

JOB DESCRIPTION
PRECISION SENSORS DIV. OF UEC

Job Description: Project Engineer I	Non Exempt: Exempt: X Grade: 8
Department: Engineering	Approval:

Purpose:

To provide design expertise in support of existing products and the creation of new products. To create and modify engineering and manufacturing documentation. To perform prototype assembly, test and data analysis.

General Qualifications:

Requires:

- Bachelor of Science in Mechanical Engineering or equal as determined by the Engineering Manager.
- Strong knowledge of engineering principles and the ability to use technical references and mathematics in the application of those principles.
- Analysis and solution development skills for problems of moderate difficulty.
- Knowledge and application of computer software for design analysis, development, & documentation.
- Relevant CAD 3-D modeling, and analysis skills.
- Strong written, verbal, and interpersonal skills. Ability to understand and communicate technical principles utilized in Precision Sensors product lines. Comfort in dealing with technical professionals and customers.
- Willingness to work in a team based environment and have a commitment to continuous learning and improvement. Ability to effectively contribute to projects/teams on major multi-disciplined project developments.

Typical Responsibilities:

- Develop solutions to company and customer technical problems. Conduct risk assessment and manufacturability analysis to implement those solutions.
- Work closely with Engineering Manager and the Marketing Dept. to develop concepts, definitions, specifications, and schedules for new products ranging from routine modifications to the application of new operating principles.
- Travel in support Marketing Dept. efforts and as needed to support product development.
- Develop acceptance and qualification test plans, procedures. Oversee development testing and keep the Marketing Dept. and the customer apprised of progress.
- Work closely with Manufacturing Engineering to ensure that designs are consistent with product fabrication and assembly cost targets. Assist with the definition of production requirements such as test fixtures, procedures and processes.
- Develop proposals that will reduce total product cost, decrease part variety and increase value to the customer. Interface with customers as needed.
- Generate and maintain product design and development records in accordance with company design control standards. Participate in project design reviews.
- Investigate, prepare, and implement engineering changes.
- Authority and responsibility to initiate action to prevent nonconformity; identify and record all problems relating to the product process, and quality system; initiate or recommend solutions; verify the effectiveness of the solutions and coordinate implementation until it has been resolved.
- Investigate and analyse customer returned product, provide corrective action responses.
- Provide general project leadership and guidance to Production Technicians.
- Maintain compliance to AS/ISO 9001; adhere to company procedures.
- Maintain a safe and clean working environment by following company safety procedures.
- Quality Policy – Although you will not be required to memorize PSI's Quality Policy, you should be able to explain it and its impact on your job.
- Perform other duties as assigned.

Supervision Received:

- Reports to Engineering Manager