Headquartered in Asslar, Germany, Pfeiffer Vacuum is one of the world’s leading providers of vacuum solutions. In addition to a full range of hybrid and magnetically levitated turbo pumps, the product portfolio comprises backing pumps, measurement and analysis devices, components as well as vacuum chambers and systems. Founded in 1890, Pfeiffer Vacuum is active throughout the world today. The company employs a workforce of some 3,200 people and has more than 20 subsidiaries.

Nor-Cal Products, Inc., located in Yreka, CA, 96097 – USA: We are looking for a

**Mechanical Engineer**

**SUMMARY OF JOB DUTIES:**

Responsible for new product development activities, including running projects and providing engineering technical support to ensure that new product goals and specifications are achieved through manufacturing release and continuous improvement of product design, equipment, materials, processes and manufacturing practices.

**ESSENTIAL FUNCTIONS / JOB DUTIES:**

This position is divided into the following areas of functional responsibility with percentages assigned indicating the amount of time spent on each activity, which could include the following:

60% Lead new product development activities, including product definition, design, prototyping, testing, and release to Production of various vacuum-related products and services. Lead cross-functional teams made up of other engineers, sales & marketing, manufacturing, and other diverse personnel. Create appropriate documentation packages to insure the manufacture of quality products that meet the specifications stipulated.

20% Evaluation and proposal of mechanical designs. Lead and participate in the evaluation and recommendation of raw materials and suppliers. Interface with Sales to support customer applications, cost estimates, product design, quality and manufacturability.

10% Train Production / Assembly / Quality Assurance personnel as required on approved manufacturing, test and inspection procedures.

10% Support interdepartmental personnel by assisting and consulting on issues involving mechanical, metallurgical, and vacuum engineering principals.
SUPPORTIVE FUNCTIONS:

In addition to performance of the essential functions, this position may be required to perform a combination of the following supportive functions, with the percentage of time performing each function to be solely determined by the supervisor based upon department necessity.

- Prepare, input and maintain specific data, in written or spreadsheet format.
- Prepare internal and external written correspondence.

SPECIFIC JOB KNOWLEDGE, SKILL AND ABILITY:

Must possess and demonstrate the following combination of knowledge, skill and ability to perform the essential functions of this position, with or without reasonable accommodation (or provide an alternative set).

- Familiarity with state-of-the-art engineering methodologies as they pertain to manufacturing stainless steel, high-vacuum chambers, mechanisms, and components is beneficial.
- Must have strong organizational and time-management skills in order to prioritize and complete competing multiple projects simultaneously.
- Ability to effectively communicate verbally and in writing with coworkers, customers, and other departmental personnel in a professional and positive manner.
- Familiar with CAD/CAM process and requirements to accurately input, manipulate and access information using complex computers and software programs. Solidworks preferred, experience with FEA and CFD tools a plus.
- Familiarity with vacuum related test equipment such as RGA and He leak checkers, as well as life cycle testers and other complex lab equipment.
- Technical writing skills to include the preparation of engineering test protocols, engineering test reports, and manufacturing Standard Operating Procedures.
- Familiar with engineering documentation processes, including ECOs, BOMs, Item Masters, manufacturing routers, etc.
- Requires strong ability to work with others in the department to share specific knowledge of products, processes, and/or procedures in order to continuously make improvements.
- Prepare and conduct technical meetings/presentations.
- Ability to effectively use M/S Office, Word, Excel, Project, and PowerPoint (or their equivalent).
- Ability to persuade others in acceptance of desired changes, improvements.
QUALIFICATION STANDARDS:

Education: Any combination of education and training, equivalent to graduation from an accredited college/university with a BS degree in Engineering, that would provide the required knowledge, skills and abilities to perform the job.

Experience: Receives appropriate direction or supervision on assignments from higher-level Engineers, and/or appropriate interdepartmental personnel. Exercises moderate level of independent, discretionary judgment on a regular basis.

Safety: 85% inside, climate / noise controlled office, and 15% high noise level machine shop environment; lifting to 75 lbs on occasion. Eye and hearing protection may be required, and other protective clothing required by customers.

Travel: Position may require travel and overnight stay on workdays, and weekends.

Nor-Cal Products is an Equal Opportunity and Affirmative Action Employer. We provide equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.

This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation and training.

Offers of employment are contingent upon applicants' ability to perform essential functions of employment; Successful results of pre-employment drug testing, plus acceptable background and reference checks.

Qualified candidates can apply online at https://goo.gl/MD9DDj

We look forward to receiving your application!

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www.pfeiffer-vacuum.com