



Rantec Power Systems Inc.  
Los Osos, California

### Job Description

**Title: Mechanical Engineer**

**Date: August 2024**

**Department: Engineering**

**FLSA Status: Exempt**

**Reports To: Mechanical Engineering**

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### Scope

Design, layout and packaging of power supplies for operation in military, commercial and industrial environments according to customer specifications and documentation requirements.

### Essential Duties and Responsibilities

- Design and development of packaging to withstand shock, vibration, temperature and humidity.
- Perform thermal, structural and vibration analysis
- Provide complete mechanical design for manufacturing.
- Design tooling and fixturing to support assembly operations.
- Provides existing product line support in design and packaging activities including the modification of hardware in production
- Participates in generating product concepts.
- Occasional travel to customer facilities.
- Ability to work flexible hours and/or different shifts, if needed.
- Ability to work in a safe professional manner adhering to all regulatory requirements including OSHA, EPA, State and Federal Regulations.
- As the Company's success relies on the productivity of our team and adherence to customer product schedules, an essential function of this position is the ability to arrive to work on-time, and work each day, as scheduled.
- Perform other duties as assigned.

### Qualification Requirements:

To perform this job, 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.

This position requires access to our export-controlled commodities, technical data, technology and services. These items are restricted under the International Traffic in Arms Regulations (ITAR) to U.S. Citizens, Lawful Permanent Residents of the U.S. and properly licensed foreign persons. Therefore, employment is contingent on compliance with ITAR regulations and successfully obtaining and maintaining the necessary export authorization license from the U.S. Department of Commerce's Bureau of Industry and Security, U.S. Department of State's Office of Defense Trade Controls, or other applicable government agency.

### Education and Experience

- BS Mechanical Engineering
- 5 years applicable engineering experience preferred.
- CAD experience with PWB assemblies; SolidWorks is preferred.

- Thermal, structural and vibration analysis using FEA techniques desirable
- Experience with conduction and convection cooled systems
- Knowledge of circuit board construction, fabrication and surface mount technology
- Knowledge of chemical interactions between adhesives, various materials, and solvents
- Ability to successfully execute duties under pressure from deadlines
- Attention to detail reviewing and creating documentation
- Excellent communication and organizational skills

### **Physical Requirements**

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

- While performing the duties of this job, the employee is required to remain in a stationary position consistently and move about the inside of the facility to review and monitor progress of parts through production floor.
- Operates a computer and other office productivity machinery, such as; calculator, copy machine, printers, etc.
- Frequently lifting and handling items less than 10 lbs with occasional lifting up to 40 lbs.
- Occasionally ascending or descending stairs and walking to other buildings.

**Rantec is proud to be an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or status as a protected veteran. Rantec will consider reasonable accommodation to its policies for employees and applicants due to sincerely held religious beliefs.**