



Rantec Power Systems Inc.  
Los Osos, California

## **JOB DESCRIPTION**

**Title: Test Engineer**

**Date: January 2026**

**Department: Engineering**

**FLSA Status: Exempt**

**Reports To: Test Engineering Manager**

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### **Scope**

The Test Engineering team at Rantec is tasked with keeping the production test environment up and running smoothly to allow our Test Technicians to provide accurate and consistent results. Test Engineering plays a crucial role in ensuring power supplies are properly tested with quality and functionality. This position involves collaborating with cross-functional teams, developing and executing meticulous test plans, developing and maintaining test equipment, and providing technical guidance during test activities.

**Essential Duties and Responsibilities**, including but are not limited to the following:

- Develop and execute detailed test plans, procedures, and test software, adhering to internal quality control standards and industry-specific regulations.
- Write specifications and Statements of Work for new test fixtures and automated test systems.
- Develop test scripts, automated test cases, and test executives based on specifications.
- Collaborate with Product engineers to define, document, and analyze test requirements, equipment, and acceptance criteria for modules, units, and modifications.
- Design, document, and implement test equipment fixtures, cables, and ATEs.
- Conduct cross-functional reviews of test fixture and automated test systems.
- Work with Test Equipment Technicians to build test fixtures and automated test systems.
- Stay up to date with testing methodologies, tools, and industry best practices.
- Identify, document, and track test anomalies by working with Product engineering to ensure timely resolution.
- Troubleshoot and make repairs to complex test equipment and contribute to product issue discovery.
- Perform various types of testing, including functional, environmental, and field tests.
- Perform regression testing through simulation and induced faults to validate new or modified equipment to ensure no new defects are introduced.
- Lead in-house special tests, including operating test instrumentation such as thermal control, data recorders, and analyzers.
- Update internal and customer-visible process documentation to increase efficiency and quality.
- Guide junior engineers and support staff on automated test execution and test equipment troubleshooting.
- Ability to work flexible hours and/or different shifts, as required.
- 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 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.

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**

- Bachelor's degree in a technical or engineering field, such as Computer Science or Electrical Engineering.
- 5 years' experience in electronics systems testing preferred.
- 5 years' experience in power conversion systems testing preferred.
- Experience with developing and maintaining test executive software (e.g. LabVIEW) with version control.
- Experience with advanced engineering design and analysis tools (Altium, SolidWorks).
- Experience with developing and maintaining databases, and developing applications using the databases, is preferred.
- Demonstrated ability to troubleshoot using advanced electronic measurement tools and equipment.
- Demonstrated ability to develop calibration methods for instrumentation.
- Ability to work both independently and collaboratively within a team environment.
- Excellent analytical and problem-solving skills with a keen eye for detail.
- Excellent ability of written and verbal communication skills for developing processes, procedures, and defect reporting.
- Soldering (IPC J-STD-001 certification) is preferred.
- LabVIEW CLAD certification is preferred.
- Electronics inspection (IPC A-610 certification) is preferred.
- Experience with Microsoft Office (Word, Excel, PowerPoint).

## **Physical Requirements**

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

- Work within a factory environment, including moderate noise and chemical odors
- Moving between sitting, standing and walking
- Consistently lifting and handling up to 50 pounds.
- Repair of installed systems is required, involving kneeling and reaching into small, constricted spaces
- Specific vision abilities required by this job close vision, distance vision, peripheral vision, depth perception and the ability to focus, with correction, if needed, to perform hand soldering and wiring of assemblies.
- Use of Personal Protective Equipment may be required, depending on the task performed, to include; gloves, safety glasses and electrostatic dissipative smocks.

**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 belief.**