



ARS Products

Job Description

Job Title: Semiconductor Fabrication Engineer

Department: Engineering

Reports to: Engineering Manager

ARS Products is a state of the art company that invents and implements innovative ideas that are at the forefront of the radio communications and power control industries. With a friendly work atmosphere, all employees are encouraged to think outside the box and come up with new ideas.

ARS Products offers benefits that support the ever evolving needs of its employees. We aim to attract, retain, and motivate the best people in the industry.

ARS Products works hard to hire the best employees from all over the country. We are committed to making sure that all our employees have the tools they need to succeed.

Summary:

Research, design, develop, test and troubleshoot custom communications systems.

Essential Duties & Responsibilities:

- Design and develop semiconductor systems, software and modules.
- Review and provide specification documentation.
- Work closely with manufacturing team to implement design.
- Help create and manage device processing steps.
- Research, design, prototype and assist in production of custom communications electronics.
- Experiment with new RF electrical hardware.
- Investigate and experiment with new technologies.
- Create technical specifications and test plans.
- Write operational documentation with technical authors.
- Problem-solve at the individual and team levels, including effective issue identification and troubleshooting.

Qualifications:

- BS/MS in Material Science and Engineering, Computer Science, Electrical Engineering or a related field.
- Knowledge of circuit boards, semiconductors and measurement equipment.
- Knowledge of semiconductor testing process and device theory.
- Experience in 3rd through 5th generation semiconductors (BJT, PIN, SOS).
- Software development skills.
- Ability to create technical design documentation.
- Ability to communicate effectively, relay tasks and set agendas.
- Possess and exhibit a keen attention to detail for all facets of work.
- Possess and exhibit excellent problem solving and analytical skills, with a strong desire to learn and develop new skills.