



JOB DESCRIPTION

Job Title	Silicon Application Engineer
Location	Sherman, TX
Category	Applications Engineer

This job description in no way states or implies that these are the only duties to be performed by the employee occupying this position. Employees may be required to follow other job-related instructions and to perform other job-related duties as requested, subject to all applicable state and federal laws. Certain job functions described herein may be subject to possible modification in accordance with applicable state and federal laws.

Summary

GlobalWafers is a leading company in the semiconductor industry with a strong work environment that allows employees to innovate, expand their potential and own their future. Our environment encourages positive thinking, integrity, and a “together as a team we win” attitude. In addition to providing a climate for professional growth, GlobalWafers America offers competitive salary, a comprehensive benefits program and a company matched 401(k) savings plan.

GlobalWafers is building a state-of-the-art facility in Sherman, TX. This facility, GlobalWafers America, will be the most advanced in the GlobalWafers family and will be the new base for future expansions. At GlobalWafers America, we are looking for talented self-starters with imagination, creativity and vision. We are seeking individuals who are original thinkers, possess the drive to achieve results, and have the capacity to assume increasing responsibility in a highly successful global organization. This is an opportunity to be part of a \$3.5B start-up facility and help contribute to solving the US semiconductor shortage.

Essential Job Functions

- Applications Engineer is the primary technical interface to external customers, and customer advocate within internal sites in the manufacture of silicon wafers and will provide highly visible customer support through the understanding of customer requirements and company process capability. FAE is responsible for project management including the technical and quality relationship with the assigned customers.
- Serves as company liaison with customer on quality and technical matters.
- Coordinates the investigation and resolution of complex technical and quality issues with an international cross-functional team. Diagnose root causes of customer issues including critical line down, yield deterioration, and exceptional productivity loss.
- Provide input and determine strategies to ensure customer roadmap alignment and the introduction of new products, technology, and metrology.
- Key member of customer facing account team, requires a high level of coordination with the Account Manager and Customer Service representative.
- Work closely with the technical, sales & marketing teams to close new business opportunities and act as liaison with other technical staff.

Ancillary Job Functions

- Perform other related duties as assigned.

Required Qualifications

- Bachelor's degree in material science / engineering / physics or an equivalent combination of education and experience.
- Excellent ability to work well with others, facilitate workgroups or teams, and control and document work sessions and meetings.
- Strong project management skills with ability to manage multiple priorities.
- Knowledge and understanding of statistics, Statistical Process Control (SPC), testing methodology (DOE), 5-step Problem-solving, and 8D methodology.

- Excellent technical writing and oral communication skills.
- Domestic, and possibly international, travel required.

Preferred Qualifications

- Master's Degree in materials science / engineering / physics
- Four to six years of relevant work experience
- Solid understanding of silicon technology and defects

Knowledge, Skills, and Abilities

Expertise, talents, characteristics and behaviors which are typically representative, but not all-inclusive, of those commonly associated with the job.

- Demonstrate knowledge and expertise in the area of technical support.
- Display initiative and accept responsibility for own actions to get the job done under general supervision.
- Apply knowledge and skills to perform assignments with little instruction.
- Continuously and actively develop industry and professional knowledge, skills and expertise.
- Understand implications of work, exercise judgment and discretion in recommending solutions and improvements to processes.
- Complete assigned tasks in a timely manner.
- Effectively utilize available and relevant technical tools and resources (e.g., Microsoft Office, other software, etc.).
- Possess excellent verbal and written communication skills. Able to explain detailed and specialized job-related information to diverse audiences.
- Perform assigned tasks with reliability, honesty, and discretion.

Work Environment

Environmental or atmospheric conditions commonly associated with the performance of the functions of the job.

- General office environment.

Physical Abilities

Abilities commonly associated with the performance of the functions of the job. The physical demands described below are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

- Minimal lifting (<25 lbs) may be required.

Work Authorization

GlobalWafers America will only employ those who are legally authorized to work in the United States.

- This is not a position for which sponsorship will be provided.
- Individuals with temporary visas such as E, F-1, H-1, H-2, L, B, J, or TN or who need sponsorship for work authorization now or in the future, are not eligible for hire.

Equal Opportunity Employer

GlobalWafers America is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to sex, race, color, religion, national origin, age, marital status, political affiliation, sexual orientation, gender identity, genetic information, disability or protected veteran status. We are committed to providing a workplace free of any discrimination or harassment.