

Process Integration Engineer

Kionix, Inc., a global leader in the design and fabrication of high-performance sensors, has an immediate opening for a Process Integration Engineer. This position is not eligible for visa sponsorship. Must have unrestricted authorization to work in the U.S.

Education/Training

- B.S. or M.S. in Electrical Engineering, Material Science, or related field

Key Requirements

- 5+ years experience in a production semiconductor facility; experience with MEMS sensor production preferred
- Basic working knowledge of all fab unit processes, including lithography, deposition, etch, wafer bonding, and probe
- Experience optimizing module processes for yield, quality, and reliability
- Hands-on familiarity with analysis techniques such as FESEM to assist in low yield analysis and defect inspection
- Knowledge of data mining and scripting to analyze parametric data and yield trends; MySQL experience preferred
- Proven project management skills with demonstrated ability to meet deadlines and commitments
- Self-motivated and adept at oral and written presentations

Key Responsibilities

- Identify and solve process integration issues in the manufacturing of MEMS sensors
- Define corrective actions for new failure mechanisms identified from customer returns or internal investigations to improve outgoing quality and reliability
- Develop and improve unit or integrated MEMS manufacturing processes through design and analysis of experimental data
- Create and execute detailed project plans to meet the company's specifications, schedules, and cost goals. Use initiative and judgement to prioritize projects and drive them to completion.
- Generate weekly fab Cpk, defect, wafer probe and test reports through the use of MySQL scripts to monitor and identify integration issues that impact quality and reliability
- Application of statistical analysis and process control for critical parameters

***Kionix, Inc. is proud to be an Equal Opportunity
and an Affirmative Action Employer***