

1049 - Principal Electronics Engineer

Seeking a highly-skilled and experienced engineer to join a talented, multidisciplinary team developing precision vacuum pressure measurement instruments for the semiconductor, medical, and industrial equipment markets. Key activities will include developing precision instruments based on new sensors and sensing technologies. This is an exciting opportunity to work for a rapidly growing industry leader as part of a world-class development team.

JOB DETAILS:

- Develop new sensor interface architectures and circuits, including precision analog and digital signal conditioning and instrument communication interfaces
- Investigate new sensor technologies and develop performance trade-off studies
- Benchmark current in-house and competitive products and develop technologies roadmaps for new applications and markets
- Lead or participate as a key member of multidisciplinary product teams, with full responsibility for the electronics development and release

JOB REQUIREMENTS:

- BS (MS or higher preferred) in Electrical Engineering or related discipline with 7+ years of highly-relevant experience
- Deep technical background in low-noise electronics and precision sensors, as well as significant experience with embedded microprocessors
- Experience designing products for mid- or high-volume production processes, good understanding of manufacturing systems and documentation control, BOM structures, and ECO processes
- Excellent analytical skills with a demonstrated track record of solving challenging problems using a variety of tools and techniques
- Ability to understand and manage the trade-offs between cost and performance
- Hands-on engineering skills, capable of test development, setup, and execution
- Excellent written and verbal communication skills, good customer-interaction skills, comfortable managing project teams
- The person must be self-motivated, have an intense customer focus, and work well as part of a team
- Experience with sensors and instrumentation required. Semiconductor capital equipment, automotive, medical or other high-reliability experiences are a plus

