



ELECTRONICS ENGINEER

Air Techniques International (ATI), a division of Hamilton Associates, Inc., is the leading designer and manufacturer of air quality testing and monitoring products and services that fulfill our purpose of *Protecting People, Products, and Critical Infrastructure*. We serve markets that include biopharmaceutical manufacturing (cleanroom production), nuclear energy production, industrial hygiene, and military and counterterrorism applications including respirator mask testing and airborne bio-surveillance. We are the market leader in our more mature product lines, and we are a new entrant to some exciting new markets to be developed. Our business has global reach, with more than half of our sales outside the United States. But we are still a small company (about 40 employees) with significant room for growth and numerous opportunities for business expansion.

As ATI continues to grow, we are seeking an **Electronics Engineer** to play a pivotal role in developing new and innovative products to support our continuing growth in the market.

For additional information about our Company and our product lines, please visit www.atitest.com.

POSITION OVERVIEW

As our **Electronics Engineer**, this individual will have overall responsibility for researching, designing, developing, documenting and coordinating major projects within program objectives. Reporting to the Director of Engineering & Operations, and working collaboratively with our team of engineers, production and marketing groups, the **Electronics Engineer** will apply sound and diversified knowledge of engineering principles and practices in broad areas of assignments while operating with considerable latitude within project scope. Responsibilities include:

- Perform all aspects of system engineering including: concept, architecture, block/functional diagrams, system level schematics, schematic capture, PCB design and complete documentation.
- Write software/firmware necessary to drive electronic systems.
- Provide trouble-shooting and technical evaluation of existing, new, and custom products.
- Prepare assembly drawings and instructions for production.
- Assist with Development of O&M manuals and produce other written technical materials.
- Assemble and test new and custom units.
- Process change orders, part number requests, and bills of material.
- Interface with vendors/suppliers to fulfill parts requirements and determine alternate suppliers.
- Interface with manufacturing engineering and other cross-functional teams as required

- Maintain electronic drawing files, specifications and other reference materials.

JOB QUALIFICATIONS & REQUIREMENTS

- B.S Degree in Electrical Engineering or related field required; M.S. Degree in Electrical Engineering preferred
- Minimum of 5 years of experience with circuit design and PCB layout
- 10+ years of experience in product development while working in a manufacturing environment
- Experience with measurement instrumentation
- Hardware knowledge, surface mount technology, changing electronic components, debugging, soldering, PCB manufacturing processes
- Experience in the design of analog and digital electronic circuits including low noise analog circuits, op-amps, filters, A/D and D/A converters, microprocessors, and power supplies
- Experience coding in and modifying C, C++, Java, JavaScript, micro-controller assembly language, Android, and Labview; experience with Altium design software desired
- Experience with computer communication, USB, RS232, Ethernet, Bluetooth, Wi-fi
- Experience designing and programming custom PCBA test equipment
- Familiarity with NFPA, CE, NRTL, CSA, FCC safety standards and regulations
- Familiarity with physics of fluorescence, light polarization and light scattering a plus.
- Knowledge of ISO Quality Systems regulations a plus
- Strong organizational skills
- Excellent written & verbal communication skills
- Solves problems (doesn't just observe them), and is driven to continually improve the company's position and strategic growth efforts.
- A sense of humor. (The work is demanding and rewarding, but we like to have fun, too).
- Ability to travel (<25%) domestically and occasionally internationally.

COMPENSATION & BENEFITS

We offer an attractive compensation package in addition to a comprehensive benefits program including health insurance, 401(k) plan with matching and profit sharing, generous paid time-off (PTO) policy, life and disability coverage, plus much more!

CONTACT US

If you are seeking a challenging opportunity to expand your skills while working in a positive environment that is poised for growth, you are encouraged to submit your resume, in WORD or PDF format, along with your salary history and requirements, to us for immediate consideration.

E-mail Address: atiengineer.resumes@hamiltonassoc.com

AIR TECHNIQUES INTERNATIONAL

A Division of Hamilton Associates, Inc.

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Hamilton Associates, Inc. is an Equal Employment Opportunity (EEO) employer.

Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status.