



## **MECHANICAL PROJECT 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 a **Mechanical Project 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](http://www.atitest.com).

### **POSITION OVERVIEW**

As our **Mechanical Project 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 **Mechanical Project Engineer** will serve as Project Manager for planning and executing projects and 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:

- Preparing detailed component drawings for in-house and vendor manufacturing.
- Preparing assembly drawings and work instructions for production.
- Provide trouble-shooting and technical evaluation of existing, new and custom products.
- Develop test plans to qualify designs, proof of concept and final products.
- Process change orders, part number requests and bills of material.
- Interface with vendors to fulfill parts requirements.
- Maintain electronic drawing files, specifications and other reference materials.
- Interface with manufacturing, quality, sales, marketing, materials control and other cross-functional teams.
- Provide technical support to senior management in strategic decision-making.
- Operate in accordance with Lean Manufacturing principles and ISO procedures.

## **JOB QUALIFICATIONS & REQUIREMENTS:**

- Bachelor's degree in Mechanical Engineering or similar discipline
- 5+ years related mechanical engineering experience
- Experience in designing and troubleshooting mechanical systems involving pneumatics and packaged electronics.
- Experience with solid modeling, managing assemblies and detailed drawings using Solid Works or comparable 3D CAD software
- Understanding of GD&T and tolerance stack-ups
- Demonstrated hands-on approach to prototype design and assembly
- Experience in project management including scheduling software such as Primavera or MS Project; PMP Certification a plus!
- Proficient in MS Office applications
- Excellent verbal and written communication skills to communicate effectively and collaboratively with all levels of colleagues and customers
- Experience in Lean Manufacturing and Six Sigma principles, including a general understanding of analysis of measurement systems (e.g. Gage R&R, Uncertainty Ratios) desired
- General understanding of regulatory standards, including NFPA (NEC), CSA, FCC, and CE a plus!
- Ability to demonstrate high-degree of initiative and work effectively in a flexible and changing work environment, both independently and within teams
- Ability to travel domestically and internationally approximately 3-4 times/year for approximately one-week intervals

## **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 & disability coverage, plus much more!

## **CONTACT US**

If you are a driven, results-oriented individual seeking an opportunity to play a key role in the continuing growth of a reputable organization, please forward your resume, in **WORD or PDF** format, along with your salary history/requirements, to us for immediate consideration.

## **AIR TECHNIQUES INTERNATIONAL**

***A Division of Hamilton Associates, Inc.***

**11403 Cronridge Drive**

**Owings Mills, Maryland 21117**

**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.*

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