



Manufacturing Engineer

Hamilton Associates, a diverse, growth-oriented, Lean-driven, ISO-Certified manufacturing company is currently seeking a Manufacturing Engineer to join our team. For additional information about our Company and each of our divisions and our product lines, please visit our websites at www.hamiltonassoc.com, www.elscoguides.com, www.atitest.com, and www.dirtkiller.com.

Air Techniques International (ATI), a division of Hamilton Associates, Inc., is the leading designer and manufacturer of specialized test equipment for HEPA and ULPA filters, flat sheet media, filter cartridges and respirators used by virtually all government, military and commercial organizations worldwide. ATI strives to build a brand identity of being known as reliable and easy to work with. Our Customer Service team plays a key role in this strategic goal to establish and engrain that desired brand identity. To help support this desired brand and succeed in achieving our strategic business goals, the company is building an organizational culture of teamwork, engagement, learning, and continuous improvement/innovation.

POSITION OVERVIEW

We are looking for a **Manufacturing Engineer** to join our growing Operations team and help us drive process improvements, cost reductions, and new product introductions. This person must be at ease working in an agile environment and should embody a passion for continuous improvement and test-driven development. The Manufacturing Engineer must be self-directed and take initiative to meet business challenges. The Manufacturing Engineer must develop and maintain expert-level competency in the operation of all ATI products.

Responsibilities include, but are not limited to:

- Create and maintain product documentation such as standard work processes, BOMs, and component drawings.
- Lead value engineering activities and propose product and process improvements to reduce total direct cost of all product lines.
- Become expert at the assembly of all product lines and assembly processes, works in conjunction with the production manager and service manager to train production staff in assembly processes.
- Specify, design and source assembly tools and equipment.
- Participates in Material Review Board (MRB) meetings, dispositions defective material and performs scrap analysis as well as identifies design flaws and communicates possible issues with proposed designs and materials to the engineering team.
- Provides technical support to supply chain management team in identifying and qualifying new suppliers.
- Review requirements documents, participate in DFx & design reviews, and develop operations plans for new products as part of the stage gate product development process.
- Act as Operations lead for all new product introduction efforts. Serve as the manufacturing engineering team member on new product development team with regards to design for manufacturability.
- Champions continuous improvement and leads lean manufacturing kaizen events.
- Perform other duties as assigned.

Minimum Background and Skills Required:

- Associate's or Bachelor's degree in Mechanical Engineering, Manufacturing Engineering Technology, Industrial Engineering or equivalent discipline.
- 5+ years related manufacturing engineering experience outside of university studies and internships.
- Experience in Design for Manufacturability, Design for Assembly and Design for Service
- Knowledge of lean manufacturing principles such as 5s, Kaizen, Heijunka, JIT, one-piece flow, Poka-Yoke, Jidoka and elimination of 7 wastes.
- Familiarity with a wide range of manufacturing processes such as soldering, casting, injection molding, vacuum forming, machining, sheet metal work, electronics manufacturing, and rotational molding.
- Proficiency with 2D/3D CAD platforms such as Solidworks, Inventor and AutoCAD.
- Excellent verbal and written communication skills to communicate effectively and collaboratively with all levels of colleagues, cross functional team members and customers.
- Ability to demonstrate high-degree of initiative and work effectively in a flexible and changing work environment, both independently and within teams.
- Expert in MS Office Suite, proficiency with PowerPivot and PowerBI a plus.
- Strong knowledge of statistical analysis.
- Ability to travel domestically and internationally approximately 3-4 times/year for approximately one-week intervals.

Additional Background and Skills Preferred:

- Design for Six Sigma (DFSS) preferred.
- General understanding of regulatory standards, including OSHA, CE, UL, ISO 9001, ISO 17025, ISO 45001.

PHYSICAL REQUIREMENTS AND WORKING CONDITIONS

- Some Sedentary Work
- Occasional Ladder Climbing
- Frequent Standing
- Lifting up to 35 to 50 Pounds Repetitively
- Walking
- Speaking
- Hearing
- Visual Acuity

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: ati.resumes@hamiltonassoc.com

AIR TECHNIQUES INTERNATIONAL
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We are 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.