



JOB POSTING

Job Title:	Advanced HVAC Technician	FLSA Classification:	Non-Exempt
Department:	Manufacturing	Reports To:	Director of Operations
Apply:	hr@airinnovations.com	Compensation:	Depends on Experience

Air Innovations designs and builds environmental process control systems for applications that can't be addressed with standard HVAC equipment. The company serves a broad range of industries from aerospace, defense, and R&D to semiconductor, pharmaceuticals, and more. We pride ourselves on innovation, collaboration, expertise, and quality.

Benefits for Full-Time Employees Include:

- Medical, Dental, and Vision Plans
- HSA and FSA company match with enrollment in a qualified plan
- Simple IRA with company match
- Company Paid Life Insurance and Long-Term Disability
- Supplemental Short and Long-Term Disability
- Paid Vacation, Personal Leave, and Sick Leave
- Paid Holidays
- Employee Referral Bonus
- Educational Assistance

SUMMARY:

Assembles, troubleshoots, and repairs HVAC products using P&ID and Mechanical and Electrical prints. Typically, products assembled are complex and often custom, one-of-a-kind units, that may take multiple weeks to produce. Work collaboratively with Design and Manufacturing Engineering, production assembly staff, and the Director of Operations to maximize quality and efficiency.

ESSENTIAL JOB DUTIES:

- Assemble HVAC products using hand tools and other equipment as provided.
- Braze refrigeration components together as needed to produce the refrigeration circuit based on P&ID. Follow best-practices for brazing.
- Perform electrical wiring by connecting components according to Electrical prints and diagrams.
- Perform in-process and final product testing including any adjustments required during the testing and data collection process.
- Fabricate custom refrigeration components and fabricate basic sheet metal components.
- Trouble-shoot and repair HVAC units.

- Identify and resolve electrical, mechanical or assembly related issues which reduce quality or decrease production efficiency.
- Assist manufacturing team in completing root cause failure analysis on returned products and implementing corrective action plans to prevent future failures.
- Perform regular work-in-process quality inspections throughout the assembly cycle ensuring compliance with SOP's and product engineering requirements.
- Inspect and or test incoming materials, work in progress components and final units to ensure product meets requirements.
- Record and or maintain product testing results, component or unit serial numbers or other information as requested.
- Comply with all safety procedures.
- Assist other associates and or departments as requested to meet business requirements.
- Learn and practice the company's Foundations.
- All employees are expected to contribute to improving their operations and our company.
- Cross-train with other HVAC Technicians.
- Train other technicians.

KNOWLEDGE, SKILLS, AND ABILITIES:

- In-depth understanding of how HVAC systems function, including components and control electronics.
- Can troubleshoot and repair HVAC systems.
- Can fabricate custom refrigeration components and fabricate basic sheet metal components.
- Good problem-solving skills to identify customer or product related issue, collect data, identify potential causes, and draw rational conclusions.
- Prior experience and demonstrated proficiency using hand tools.
- Ability to read and understand mechanical and electrical engineering prints, P&ID diagrams.
- Perform complex electrical assembly work.
- Ability to braze refrigeration components using best-practices.
- Must demonstrate acceptable attendance, cooperation and willingness to receive training
- Ability to perform basic mathematical calculations.
- Basic computer proficiency.
- Ability to work overtime as requested.

EDUCATIONAL REQUIREMENTS:

- High School Diploma or equivalent required.
- Basic computer proficiency required.
- Formal HVAC trade school or equivalent training required.
- Universal HVAC Certification required.

REQUIRED WORK EXPERIENCE:

- Minimum 5-year direct hands on experience in electrical or mechanical assembly required.
- Demonstrated proficiency in using small hand tools such as: drills, wrenches, screwdrivers, etc. is required.
- Experience producing HVAC products from engineering diagrams and prints.
- Prior experience with lean manufacturing principles desired.

PHYSICAL REQUIREMENTS NECESSARY ON A REGULAR BASIS:

- Upper extremity and manual dexterity sufficient for constant use of a variety hand tools and picking up and assembly of small parts.
- Speech and hearing sufficient to safely work in a manufacturing setting; receive and understand verbal directions, respond to auditory cues.
- High level of visual acuity to perform material and equipment quality inspections and to read technical information and test equipment.
- Ability to independently lift assembled components or parts up to a maximum of 20 Lbs on a frequent basis, on a limited basis may be required to independently lift up to 60 pounds, frequently lift materials or parts weighing 5 Lbs or less. Mechanical and other staff assistance with the limited lifting of larger/heavier parts is available.
- Full range of motion sufficient for walking around a unit placed on a lift table in the assembly process. May need to walk, bend, kneel reach under or above a work station push or pull materials a limited distance.
- Ability to twist at the waist to move units to and from skid to a lift table.
- May be required to climb onto or off ladder or step stool to reach materials or work on large scale units.
- Ability to stand at a work area for the work day. May use a stool for some work.

ENVIRONMENTAL CONDITIONS:

Work is in a manufacturing setting with exposure to significant temperature variability, heat, noise, chemical odors, rotating and stationary equipment. Personal protective must be worn for certain operations and in certain locations including but not limited to eye protection, hearing protection, appropriate foot wear.

Air Innovations is an EEO employer and does not unlawfully discriminate on the basis of a person's race, religion, creed, color, sex, age, national origin, disability, sexual orientation, gender identity, marital or family status, pregnancy, military status, veteran status, predisposing genetic characteristics or carrier status, arrest or conviction record, domestic violence victim status, or any other legally protected class or status