



JOB POSTING

Job Title:	Mechanical Engineer	FLSA Classification:	Exempt
Department:	Engineering	Reports To:	Director of Engineering
Apply:	hr@airinnovations.com	Compensation:	Depends on Experience

At Air Innovations, we maintain a dedicated Research and Development department to create, test, and validate our engineered solutions. We continually strive for innovative solutions to customers' problems – that's why nearly ¼ of our staff hold engineering degrees. We offer competitive pay, great benefits, and a team atmosphere.

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
- Annual Safety Shoe Allowance
- Employee Referral Bonus
- Educational Assistance

Job Summary:

The Engineer both designs and creates new product lines as well as supports and improves the existing product lines. Collaborates with Engineering and Manufacturing team members and uses various CAD and computer software programs. Provides customer support by answering application and technical questions.

Essential Job Duties and Responsibilities: (Additional duties may be assigned)

- Design and revise both sheet metal and plastic parts using SolidWorks and CAD software. Create and revise schematics and other design documents.
- Update bill of materials, parts, descriptions, assemblies, etc. using Traverse.

- Perform “First Piece Inspections” on parts received.
- Provide product support to manufacturing department as needed.
- Assist Service Manager and Sales Team to provide technical support to all customers, both internal and external.
- Assist sales/marketing in the creation or revision of manuals, specification sheets, illustrations, etc.
- Assist in test lab as required by setting up and running tests, supporting customer visits as needed, etc.
- Provide remote and occasional on-site customer support to troubleshoot equipment issues.

Education and Experience:

- Associate’s degree in mechanical engineering with appropriate related field experience required; BS/BT in Mechanical Engineering is preferred.
- Three to five years mechanical system design.
- Proficient personal computer skills using AutoCAD, Solidworks or similar modeling design software, as well as Microsoft Excel and Word.

Special Requirements:

Occasional travel locally, nationally, and internationally including overnights and weekends.

Knowledge, Skills, and Abilities:

- Ability to design components and fixturing on CAD/CAM
- Sound knowledge and understanding of different manufacturing processes and materials.
- Proven ability to read, understand and generate complex engineering drawings and technical instructions or manuals.
- Must be able to generate and explain detailed schedules, performance and design objectives.
- Demonstrated ability to operate manual machine tools, small hand tools, power tools and test/inspection equipment;
- Excellent attention to detail.
- Ability to communicate verbally and in writing.
- Must be able to work beyond normal or scheduled work hours as needed.

Physical and Mental Requirements:

- High mental and visual attention required for planning difficult work methods and sequences to obtain size, shape, or physical qualities of product. Ex. Analysis of vapor compression systems through use of computer and test laboratory.
- Ability to stand, walk, talk, hear, use hands to finger, grasp, handle, or feel, push, pull, reach, crouch, kneel, crawl, or bend, and perform repetitive motions with hands and/or wrists.

- Ability to exert up to 40 pounds of force occasionally, and/or up to 10 pounds of force frequently to move equipment in the test lab
- Required to use safety glasses, hearing protection, and gloves while performing specific tasks.

Work Environment:

- Work is mainly performed inside in both an office and manufacturing environment.
- Exposure to occupational hazards such as moving mechanical parts and loud noises.

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