



Vicon Machinery

Where Superior Duct Work Begins.

Job Title: Mechanical Engineer

Location: Pevely, MO

Department: Engineering

Position Summary

Vicon Machinery is seeking a creative and detail-oriented **Mechanical Engineer** to support the design, development, and improvement of our HVAC duct fabrication machinery. This role involves hands-on mechanical design, testing, and collaboration with cross-functional teams to ensure our products meet performance, quality, and safety standards. The ideal candidate is a problem-solver with a strong mechanical background and a passion for manufacturing innovation.

Key Responsibilities

Design & Development

- Design and develop components, subassemblies, and complete machinery using 2D/3D CAD software (SolidWorks preferred)
- Create detailed drawings, BOMs, and manufacturing documentation
- Modify and improve existing designs for performance, reliability, and cost-efficiency
- Work closely with electrical and production teams to ensure system integration

Prototyping & Testing

- Participate in prototyping, testing, and validation of mechanical systems
- Identify potential issues through testing and provide solutions or design adjustments
- Assist in troubleshooting mechanical issues in production and fielded equipment

Collaboration & Communication

- Collaborate with the manufacturing team to support production readiness and resolve build issues
- Work with service and sales teams to provide technical input and customer support
- Assist in the development of technical manuals and service documentation

Sales & Service
1801 Arctic Avenue
Bohemia, NY 11716
Phone: (631) 563-7234
Fax: (631) 563-7239

Sales, Manufacturing, & Service
(Coil Lines, Rollform, Duct Fabrication)
1180 Mason Circle N
Pevely, MO 63070
Phone: (636) 349-8999
Fax: (636) 326-2097

Sales, Manufacturing, & Service
(Plasma, Laser, Software)
10248 Mercer Pike
Meadville, PA 16335
Phone: (814) 333-2181
Fax: (814) 333-2353

Continuous Improvement

- Recommend product improvements based on field feedback, warranty data, and testing results
- Research materials, processes, and technologies to enhance machinery performance
- Ensure compliance with applicable industry standards, regulations, and best practices

Required Skills & Qualifications

- Bachelor's degree in Mechanical Engineering or related field
- Proficiency in CAD software (SolidWorks, AutoCAD, or similar)
- Understanding of mechanical systems including pneumatics, hydraulics, motors, and motion control
- Strong analytical, problem-solving, and decision-making skills
- Excellent communication skills and ability to work in a team environment
- Ability to manage multiple projects and meet deadlines
- Willingness to occasionally travel to customer sites or trade shows

Preferred Qualifications

- Experience in machine design, metal fabrication, or manufacturing environments
- Knowledge of HVAC industry or duct fabrication machinery
- Familiarity with PLM systems and ERP integration

Why Join Vicon?

- Work on cutting-edge machinery that drives the HVAC fabrication industry
- Be part of a collaborative, innovative engineering team
- Competitive salary and comprehensive benefits
- Opportunities for growth, leadership, and continuous learning
- Hands-on, real-world engineering with immediate impact

To Apply:

Please send your Curriculum Vitae (CV) to info@spiral-helix.com

Vicon Machinery, LLC is an equal opportunity employer.

We celebrate diversity and are committed to creating an inclusive environment for all employees.