



Vicon Machinery

Where Superior Duct Work Begins.

Job Title: Electrical Engineer

Location: Pevely, MO

Department: Engineering

Position Summary

Vicon Machinery is seeking a proactive and technically skilled **Electrical Engineer** to support the design, integration, and maintenance of electrical systems for our HVAC metal fabrication equipment. This role requires strong hands-on experience with electrical controls, PLC programming, diagnostics, and system integration. You'll work closely with mechanical engineers, field technicians, and production teams to ensure our equipment operates efficiently, safely, and reliably.

Key Responsibilities

Design & Engineering

- Design and develop electrical systems and schematics for machinery and control panels
- Program and troubleshoot PLCs (Programmable Logic Controllers), HMIs, and related control systems
- Use CAD and electrical design software to create wiring diagrams and documentation
- Collaborate with cross-functional engineering teams on system integration and new product development

Maintenance & Technical Support

- Assist with the installation, maintenance, and repair of electrical systems and components
- Perform routine inspections and diagnostics using tools such as multimeters and oscilloscopes
- Provide remote technical support to customers and service teams
- Support internal teams with training and troubleshooting

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

Procurement & Quality

- Work with purchasing to specify and source electrical panels, sensors, wiring components, and control devices
- Ensure all systems and components comply with safety codes, standards, and best practices
- Recommend design and process improvements to enhance product reliability and performance

Problem Solving & Field Support

- Diagnose and resolve electrical system issues in both production and field environments
- Participate in product testing, debugging, and documentation

Required Skills & Qualifications

- Bachelor's degree in Electrical Engineering, Electrical Technology, or a related field (or equivalent practical experience)
- Proficient in **PLC programming** (Allen-Bradley, Siemens, or similar platforms)
- Solid understanding of industrial electrical systems, including motor controls, sensors, relays, and HMIs
- Proficiency with diagnostic tools such as multimeters and oscilloscopes
- Ability to read and create electrical schematics and wiring diagrams
- Strong problem-solving skills and a hands-on approach to engineering challenges
- Excellent communication and documentation skills

Preferred Qualifications

- Experience in machinery, automation, or HVAC equipment
- Familiarity with hydraulic or pneumatic systems
- Experience with UL, CE, or other regulatory compliance standards

Why Join Vicon?

- Be part of an innovative team building cutting-edge fabrication machinery
- Competitive salary and benefits package
- Opportunities for technical growth and cross-disciplinary collaboration
- Hands-on projects with real-world applications

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.