



WILMINGTON
M A C H I N E R Y

Controls Engineer

Location: Wilmington, NC

Job Type: Full-time

Salary: Competitive, based on experience

Benefits: Comprehensive benefits package

About Wilmington Machinery

Wilmington Machinery is a leader in designing and manufacturing large-scale low-pressure injection molding machinery. We serve a global customer base and are dedicated to innovation, quality, and customer satisfaction.

Job Summary

We are seeking an experienced **Controls Engineer** to develop, program, and optimize electrical control systems for our machinery. The ideal candidate will work collaboratively with our engineering team to enhance machine functionality, ensure compliance with industry standards, and support manufacturing operations.

Key Responsibilities

- **PLC & HMI Development** – Program, troubleshoot, and optimize PLC and HMI systems, ensuring seamless machine control.
- **Electrical System Design** – Design electrical control panels, select components, and create schematic drawings.
- **Machine Integration** – Work alongside mechanical and programming engineers to develop efficient hardware-software interfaces.
- **Safety & Compliance** – Ensure designs meet industry safety standards and best practices.
- **Manufacturing Support** – Assist manufacturing personnel in troubleshooting and resolving electrical control issues.
- **Customer Requirements** – Develop solutions that meet customer specifications while ensuring manufacturability.
- **Continuous Improvement** – Implement innovative control strategies to improve machine performance and efficiency.
- **Technical Support** – Provide expertise in diagnosing and resolving electrical malfunctions.

Qualifications & Skills

- **Education:** Bachelor's degree in Electrical Engineering or related field.

Wilmington Machinery, LLC.
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910-452-5090



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- **Experience:** Minimum **5 years** in a similar role, preferably in industrial automation or machinery manufacturing.
- **Technical Expertise:**
 - Proficiency in PLC programming (Allen-Bradley, Siemens, etc.).
 - Experience with HMI development and integration.
 - Strong knowledge of electrical wiring practices and machine tool control systems.
 - Understanding of AC/DC motors, power distribution, and automation systems.
 - Proficiency in AutoCAD, Eplan, or similar software for electrical schematics.
- **Soft Skills:**
 - Strong problem-solving and analytical skills.
 - Excellent communication and teamwork abilities.
 - Ability to work independently with minimal supervision.

Additional Information

- Must pass a pre-employment drug screening and background check.
- This is an **on-site** position in Wilmington, NC.

Interested candidates should send their resumes to:
careers@wilmingtonmachinery.com