

Controls Engineer Job Description

Description:

Plexpack is seeking an individual with previous experience as a controls engineer who can help innovate and provide input about our product line. We are looking for an individual who is creative and is comfortable using engineering programming, such as PLC and AutoCAD. The role will require the Controls Engineer to work well with their team members and be a leader when applicable. We require someone who is driven, organized, and has strong communication skills. Plexpack is a team-oriented workplace that encourages growth for its employees.

Responsibilities:

- Participate in the initial machinery development process.
- Provide input on concept requirements, complexity, and cost.
- Design and lay out electrical systems which are NFPA79/NEC/UL508A compliant.
- Create electrical, pneumatic, and fluid schematics in AutoCAD Electrical.
- Write and debug PLC programs using Structured Text and Ladder Logic with an emphasis on generating code that is organized, structured, documented, maintainable and reusable.
- Implement (CSA/ANSI/OSHA compliant) control reliable safety systems for safeguarding machinery.
- Select and size electrical and electromechanical components such as servos.
- Generate aesthetically simple HMI screens for complex machinery while providing sufficient feedback for troubleshooting.
- Produce electrical design/program changes to support custom machinery orders, existing product improvements and change requests for assigned product lines.
- Provide timely, complete, and consistent technical support to internal and external business customers as required for assigned product lines.
- Train internal staff and end user teams to operate and maintain new machinery after development.
- Manage electrical cabinet builds, field wiring, pneumatic and fluid plumbing.
- Create and maintain machinery operation and troubleshooting manuals.

PLEXPACK CORP.

1160 Birchmount Road, Unit 2, Toronto, Ontario M1P 2B8

Tel: 416.291.8085 • Toll Free: 800.265.1775 • Fax: 416.298.4328 • www.plexpack.com



- Create and maintain How To articles for machinery support services.

Requirements:

- Hands on experience with electromechanical / mechatronic systems.
- In depth knowledge of Electrical Standards (NFPA79, National Electric code, UL508A).
- In depth knowledge of Safety standards (ANSI/RIA15.06, OSHA).
- Advanced proficiency programming industrial equipment:
 - Utilizing Structured Text and Ladder Logic.
 - PLCs (B&R, Mitsubishi, AB and Siemens)
 - Safety PLCs (B&R, Sick)
 - Human Machine Interface (B&R, Mitsubishi, AB)
 - Field bus Networks (Powerlink, IO-Link, Ethernet/IP)
 - Serial communication (RS-232) between PLCs and instruments
- Ability to program state machines for complex processes which involve multi-station parallel processing, data acquisition and PID control.
- Proven ability to design fault-tolerant systems with error handling and recovery.
- Proficiency selecting appropriate circuit protectors, wire and cable, sensors, safety hardware, PLC hardware, remote I/O, VFD and servo systems.
- Proficiency creating detailed electrical and fluid schematics (AutoCAD Electrical)
- Proficiency programming and tuning variable frequency drives
- Experience with Vision systems (Cognex)
- Experience creating technical documentation for machinery is highly desired
- Experience transitioning products from prototype to production
- Ability to use 3D CAD packages such as with Autodesk Inventor desired.
- BS/MS Electrical Engineering or equivalent
- 2-4 years of experience as a hands-on Controls Engineer or Applications Engineer working on electromechanical systems

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What Plexpack Offers Our Employees

- Competitive compensation
- Laptop and company cell phone
- Work/life balance
- Being a part of a flexible, dynamic SME with a strong global reputation
- Culture of friendly, supportive, collaborative, and successful people
- The chance to expand your professional and personal skills
- Opportunities for sponsored training and educational development
- A stable company who stands behind nearly 50 years of business excellence and continuous improvement
- Learning and working with leaders in an essential and critical industries within the supply chain
- Supporting an exciting global customer base that spans a variety of industries and ranging in size from start up to Fortune 100.
- Working in an inclusive, diverse, and ethical environment.

Who We Are

Our Mission

is to build and deliver the best, made-to-order flexible packaging machinery solution for each customer's unique needs.

Our Vision

is to be the preferred choice for customizable, made-to-order flexible packaging machinery solutions worldwide.

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Plexpack Corporation designs and manufactures high quality flexible packaging equipment solutions. More than 5,000 customers worldwide depend on our Emplex Bag Sealers, VacPack MAP Systems, and Damark Shrinkwrap Systems for packaging efficiency, product integrity, safe transport, and attractive presentation.

We deliver standard and customizable, made-to-order solutions with our customers' unique needs, reputation, and budget in mind. We have options for nearly any production environment and experience in a wide range of applications. For nearly 50 years Plexpack has been known for quickly delivering innovative solutions that are simple to use with superior performance and return on investment.

Every Plexpack solution is backed by multilingual support and service from our offices in Canada and the US and our international network of distribution partners.

Why Choose Plexpack

Plexpack aspires to provide its employees a rewarding and fulfilling career. We strive to create an inclusive, supportive, and collaborative environment while providing opportunities for advancement, competitive salaries, learning and education opportunities, and a flexible benefits package. When you join Plexpack, you are joining a team of outstanding, motivated individuals, many of whom with pride of long-term service. Our diversity is a core strength that contributes to professional and personal development and a rich work experience.

With 3 strategically located offices and over 100 channel partners, we are proud to be a global leader flexible packaging equipment manufacture, provision, and support. The key to our success is understanding our customer needs and aligning those needs throughout the organization to provide high quality equipment while delivering top notch customer experience, outstanding value, and overall satisfaction and brand loyalty.

You Make The Difference!

We are solutions-driven and customer-focused and welcome energetic emerging leaders that can drive company mandates into the future. When you are on the job for us, you take pride in knowing that your actions support and boost our customers' productivity and package integrity, as well as contributing to the essential global supply chain as a whole.

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