



PR/086705 | Senior Electrical Controls Engineer

Job Information

Recruiter[JAC Recruitment USA](#)**Job ID**

1537892

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

United States

Salary

Negotiable, based on experience

Refreshed

May 1st, 2025 20:04

General Requirements

Minimum Experience Level

Over 3 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

Business Level

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

COMPANY OVERVIEW

Our client of packaging machine manufacturing company is seeking a Senior Electrical Controls Engineer.

RESPONSIBILITIES

- Design and layout electrical control panels, ensuring compliance with UL508A and NEC standards.
- Select and integrate sensors, pneumatic control components, and commercial automation products (e.g., photo sensors, vision systems, hot melt systems).
- Develop, modify, and debug PLC, HMI, and Kinetix servo motion control programs.
- Create electrical schematics and bills of materials based on project requirements.

- Read and interpret customer specifications and modify machine electrical schematics accordingly.
- Work closely with Mechanical Engineering teams to integrate electrical and mechanical components.
- Troubleshoot control systems over the phone and on-site with customers.
- Travel to customer locations for system installation, modifications, and aftermarket electrical control support (up to 30% travel).
- Train and mentor entry-level Electrical Controls Engineers.
- Assist in the development of engineering standards and procedures for control systems.

REQUIREMENTS

- Bachelor's degree in electrical engineering, Electrical Engineering Technology, or a related field.
- 5+ years of experience in Allen-Bradley PLCs, HMI development, and AutoCAD.
- Strong background in machine automation, electrical schematic design, and motion control systems.
- Proficient in AutoCAD for electrical design; experience with SolidWorks Electrical is a plus.
- Familiar with commercial automation products such as photo sensors, pneumatics, and vision systems.
- Experience in PLC programming, HMI development, and multi-axis coordinated motion control.
- Solid understanding of machine timing and industrial wiring concepts.
- Strong electro-mechanical skills with a hands-on approach to system troubleshooting.
- Excellent organizational and communication skills, with the ability to work independently and as part of a team.

SALARY & Benefits

USD \$120,000~ DOE and discretionally bonus

OTHERS

Work location: Elk Grove Village, IL (Onsite)

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Company Description