



PR/086705 | Senior Electrical Controls Engineer

Job Information

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

1547875

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

United States

Salary

Negotiable, based on experience

Refreshed

July 23rd, 2025 15:00

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)

#LI-JACUS #LI-US #countryUS

Notice: By submitting an application for this position, you acknowledge and consent to the disclosure of your personal information to the Privacy Policy and Terms and Conditions, for the purpose of recruitment and candidate evaluation.

Privacy Policy Link: <https://www.jac-recruitment.us/privacy-policy>

Terms and Conditions Link: <https://www.jac-recruitment.us/terms-of-use>

Company Description