

KB SYSTEMS INC.

◆BUILDER OF SPECIAL MACHINERY ◆

P.O. Box 229, 90 Jacktown Road ◆ Bangor, Pennsylvania 18013 U.S.A. ◆ Tel: (610) 588-7788 ◆ Fax: (610) 588-7785

Job Title: Electrical Controls Engineer

Position Description:

- Full Time Electrical Controls Engineer for growing Bakery Equipment Manufacturer
- Reports to the Electrical Controls Manager
- To be located in KB Systems (Bangor, PA)

Responsibilities:

- The Electrical Controls Engineer core duties responsibilities will focus on but not be limited to:
 - Develop and implement project-specific industrial control systems
 - Review project specifications, participate in resolution of deviations, ensure compliance
 - Coordinate with other Engineering resources on mechanical implementation of control systems
 - Develop, document and maintain accurate structured Engineering Bills of Materials and Electrical Schematics
 - Define, release and maintain purchased part items masters
 - PLC programming and troubleshooting
 - Support factory assembly, system power up and debug
 - Support field installation, start-up, and Customer Service as required
 - Interface with Project Management, Manufacturing, Customer Service, and Customers to ensure successful execution of projects
 - Review standards and compliance requirements applicable to the electrical control systems, provide recommendations as required
 - Ensure compliance to industry and regional health and safety standards
 - Generate project cost and lead time quotes
 - Develop and generate Operation Manuals
 - Maintain an ongoing commitment and involvement in the quality improvement process

Requirements:

- Preferred BSEE or related Bachelors Engineering degree, or Associates Engineering degree with equivalent experience
- 5+ years applicable experience in the design, manufacturer, installation, and field support of custom industrial/capital equipment
- Solid PLC design and implementation experience
- Direct experience with the following Allen-Bradley / Rockwell components and software:
 - CompactLogix PLC
 - MicroLogix 1400 PLC
 - PanelView Plus HMI
 - PowerFlex Series Inverters
 - Kinetic Series Servos
 - RSLogix 5000 Software
 - RSLogix 500 Software
 - Factory Talk View Studio Software
- Experience working directly with the design and manufacturing/support of control panels

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- Proficient in current release of AutoCAD and AutoCAD Electrical
- Development and maintenance of structured bills of material
- Direct experience in Engineering and Operations within an MRP environment
- Working knowledge of Codes and Standards (NEC, IEC, UL 508A, Category 3 Safety)
- Knowledge of power distribution (120V, 480V and 24V DC Control Systems)
- Working knowledge of Microsoft Office products
- Must have a high level of employee cooperation, morale, and team spirit
- Demonstrated ability to manage multiple projects simultaneously
- Excellent professional verbal and written communication skills
- Must comply with all company safety and personnel policies
- Valid driver's license
- Travel as required (up to 25%)

Benefits:

- Company offers a competitive benefits package, including the following:
 - Medical/Dental/Vision insurance.
 - Company paid Life Insurance and Short Term Disability Insurance
 - Long Term Disability and additional Life Insurance and other benefits offered at low group rates
 - Paid holidays, personal and sick time
 - Eligibility for vacation based on length of service
 - 401k investment plan with employer matching 50% of employee contribution up to 6%. Employer match after one year of service.

Pre Screening Questions

1. How many years of direct experience do you have with the design, manufacture, and support of custom industrial machinery and equipment?
2. Please explain your experience with Motor Control Systems, Frequency Drives, PLC Programming and Troubleshooting
 - a. Outline specific manufacturer and model hardware that represents your most direct experience
3. Please explain your experience with hydraulics and pneumatics systems
4. List your strengths and experiences that would benefit you in performing the responsibilities of this job.
5. Why are you looking for a job change?
6. Out of all of your work experiences, which job did you like the best and why?

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