



Controls Engineer

Mark Andy Inc. is the Total Solutions Partner to the printing industry with a mission to be 'the supplier of choice with high quality innovative solutions that drive customer profitability.' The company responds to business needs by offering the broadest portfolio of equipment, the largest consumables distribution and now the most robust service infrastructure to better support printers and converters around the world. For more information, visit www.markandy.com.

Mark Andy is headquartered in St. Louis, Missouri, USA, with sales and distribution offices worldwide.

Position Summary

Design, develop and test PLC and Motion Control based controls systems for a major capital equipment manufacturer, including both hardware selection and controls software development (PLC and Motion Controller programming). Responsible for machine control design, with an emphasis on the precision control of servo rotary motion of multiple synchronized axis, and overall system performance. This is the opportunity to work on the original design of new products at our company headquarters.

- Lead/coordinate the integration/validation of assigned projects
- Recognize, define and develop new electrical/control system concepts
- Specify and select vendor components
- Provide designs that are manufacturable and meet safety standards
- Present and participate in review of designs
- Demonstrate the development of creative solutions or alternatives to assigned electrical/control systems problems/opportunities
- Demonstrated proficiency in PLC operation, integration, and programming
- Demonstrated proficiency in Graphical User Interface design and programming
- Understand roles of other disciplines and provide project support as appropriate
- Participate in team processes and contribute to team objectives
- Carry out job responsibilities in a safe manner and contribute to safety and well being of self and others
- Assume responsibility for designs valued in excess of \$500,000
- Train less experienced personnel on established methods and facilitate transfer of technical knowledge

Qualifications/Skills Required

- PLC Programming (Ladder, SFC, Structured Text)
- Demonstrated competency with:
 - Synchronized motion control - preferred
 - PLC programming
 - Closed loop control (PID)
 - Networking concepts
- Exhibits willingness and ability to increase knowledge through continuous education
- Familiar with electrical codes such as NFPA-79, NEC, UL, and EC standards
- Familiar with branch circuit design

Education/Experience Required

- 4 year electrical technical degree OR BSEE preferred, MSEE a Plus
- 2-10 years related experience in PLC and/or motion control experience

Personal Skills Required

- Interact with others.
- Work in high stress environment.
- Deal with interpersonal conflicts.
- Work with difficult customers.
- Work in an office/manufacturing environment.
- Coverage during certain periods.

Work Environment

- Climate controlled office environment, no physical discomfort due to temperature, dust, noise and the like. May have limited exposure to manufacturing areas that require the usage of PPE.

Physical Demands

- Frequently required to sit. Occasional walking, standing, stooping and kneeling. Frequently lift up to 10 pounds, occasionally lift or move up to 25 pounds.

Mark Andy Inc. is an equal employment employer and considers all qualified applicants without regard to race, color, religion, national origin, sex, age, disability, veteran status, or any other factor, which is prohibited by applicable law.