

Position Title: Electrical Engineer	Department: Engineering	Reports To: Engineering Manager
Level: Entry	FLSA Status: Salary Exempt	Supervisory Requirements: N/A
Position Summary: The Electrical Engineer develops and tests control system for custom designed automated process equipment. This role is responsible for supporting manufacturing in the electrical aspect of project work.		
Essential Functions:		
<ul style="list-style-type: none"> <li>Responsible for design of electrical controls (UL508A) in support of manufacturing engineering team.</li> <li>Develop control panels, from the initial electrical schematics through testing and completion.</li> <li>Develop user's manuals for electrical capabilities, including troubleshooting.</li> <li>Develop electrical CAD drawings, test specifications and technical reports.</li> <li>Ability to develop PLC and HMI software is a plus</li> <li>Support the Process Engineer in design of custom process equipment by providing feedback on P&amp;IDs, electrical design, sequence of operations, test procedures and other aspects of the project.</li> </ul>		
Knowledge & Skills:		
<ul style="list-style-type: none"> <li>Problem Solving /Logical thinking</li> <li>Multi-tasking and time management</li> <li>Technical Capacity</li> <li>Excellent Written and Verbal Communication</li> <li>Organization</li> <li>Self-Directed</li> <li>Team- Oriented</li> </ul>		
Minimum Qualifications:		
<ul style="list-style-type: none"> <li>Bachelors degree from an accredited institution (required)</li> <li>5-7 years of experience involving electrical design, testing, and technical writing.</li> <li>Proficient with Computers/software and MS Office (specifically Excel and Word), AutoCAD Electrical (required)</li> <li>Knowledge of NEC electrical codes, requirements and standards</li> <li>Familiar with PLC and HMI Software (Allen-Bradley, Siemens)</li> <li>Knowledge of Instrumentation and Controls</li> <li>Familiar with NEMA, NFPA, and Underwriters Laboratory (UL)</li> </ul>		
Physical Requirements:		
<ul style="list-style-type: none"> <li>Must be able to lift 10lbs. unaided</li> <li>Must be able to sit for long periods of time</li> <li>Must be able to type, bend, and reach</li> <li>Must be able to travel approximately 5% of the time</li> <li>Must be able to work on shop floor and assist in troubleshooting and identifying engineering or manufacturing issues</li> </ul>		
Environment:		
<ul style="list-style-type: none"> <li>Fast paced, at times stressful, dynamic, professional, modern office setting of a growing company that provides custom and innovative solutions to customer's needs.</li> </ul>		

All duties and responsibilities are essential job functions and requirements of this position. These are subject to possible modifications to reasonably accommodate individuals with disabilities. To perform this job successfully, the team member(s) will possess the skills, aptitudes and abilities to perform each duty proficiently. The requirements listed in this document are the minimum levels of knowledge, skill and abilities for this position. This in no way states or implies that these are the only job duties to be performed by the team member(s). Team member(s) will be required to follow any other job-related assignments, instructions and duties instructed by authorized personnel.

*This document does not create an employment contract, implied or otherwise other than an "at will" relationship.*

Employee Signature

Employee Name (Printed)

Date

Manager Signature

Manager Name (Printed)

Date