**Controls Engineer – Design**

**Livonia, MI**

**About Us:**

+Vantage Corporation is a well-established global machine tool supplier providing design, build, and service of specialized inspection and assembly equipment. Our headquarters is in Livonia, Michigan with divisions located in Mexico and Canada. We have achieved success using cutting-edge technology, international presence, and a primary focus on Customer support.

<http://vantage-corp.com/>

**Job Description:**

**+**Vantage is seeking a Livonia, MI based Controls Design Engineer. Candidate will have the opportunity to work with cross functional groups as well as effectively support other engineers in order to complete projects on time and within schedule complex machinery equipment.

**Job Responsibilities:**

* Produce electrical, pneumatic and hydraulic schematics for custom machinery using AutoCAD Electrical and engineer all documentation needed to develop new machines.
* Ability to think conceptually - need to understand the appropriate level of detail to create designs
* Work with multiple departments from concept through release phase
* Provide technical support of external and internal customers
* Maintain current knowledge of electrical and related safety standards as they relate to control panel design, build, machine safety, and machine wiring.
* Ability to make changes quickly and work in a team environment
* Analyze project requirements and perform technical design calculations including electrical requirements, robotic safety standards, and motor controls
* Must be organized: ability to prioritize and schedule a variety of competing tasks, driving them to completion in a self-motivated fashion

**JOB REQUIREMENTS**:

* Associate’s or bachelor’s degree in Electrical Engineering or similar with 2+ years experience in Electrical Controls Engineering or 2-3 years practical Controls Engineering experience
* Must be able to create a full controls hardware design package including high to low voltage, I/O sheets, cable diagrams, control panel layouts, pneumatic diagrams and a full set of controls bill of materials.
* Must be proficient with AutoCAD / AutoCAD Electrical
* Exceptional communication skills and ability to work effectively with cross functional teams
* Working knowledge of MS Office and Excel applications is a must
* Working knowledge of PLC platforms, including but not limited to, Allen Bradley and Siemens.
* Technical aptitude and understanding of industrial equipment and machinery

Job Type: Full-time