

# Intermediate Controls Designer

The chosen candidate will contribute to machine concepts, design control software & integration of software with electrical and mechanical systems, process development and installation at customer sites. Programming and integration of cutting-edge technologies and processes using PLC's, PC's, robotics, motion controllers, vision systems, laser and other controllers.

## **PRIMARY RESPONSIBILITIES:**

- The design and development of software programs (PLC and/or PC based) specific to customer/project requirements.
- Debug and commission control systems
- Travel required to customer and supplier sites to perform installation, commissioning and training duties.
- Select, test and integrate hardware & software components (robots, analog devices, motion controllers, sensors, vision systems and lasers).
- Work with control systems design department along with other groups to continuously improve methods of integrating controls technology, enhancing safety, functionality and reducing costs.
- Work in conjunction with customers, project managers, designers, toolmakers and electricians to problem solve in order to provide the customer with a complete, functional automation system.
- Provide testing of machine functionality to verify program completeness.
- Provide customers with training specific to their project (i.e. machine operation, programming principles and program structure).
- Ensure that all business activities are performed with the highest ethical standards

## **EDUCATION:**

- A post-secondary engineering degree or diploma in electrical, mechanical, systems or computer engineering.

## **EXPERIENCE:**

- Strong programming, mechanical and electrical problem solving.
- Understanding robotics, control systems and machine operation (hands-on experience is desirable).
- Ability to communicate effectively, both orally and in writing.
- C# programming experience is an asset
- A self-starter with the ability to work as part of a team in a fast-paced environment with minimal supervision.

**Competitive salary and benefit plan with an excellent and exciting work environment**