

## SIMULATION & VIRTUAL COMMISSIONING SPECIALIST

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*Founded in 1996, Select Tool is a leading manufacturer of high quality and innovative solutions to valued customers worldwide. We are a full-service provider of Automation, Special Machines, Turn-Key Productivity Systems, Specialty Tooling, and Checking Fixtures.*

*We control our value chain from concept to completion, thus offering many professional development and personal growth opportunities to our team members, as well as greater value and capabilities for our customers.*

*We value our team members, which is why we offer excellent wages, comprehensive benefits & RRSP program along with a great work environment, clean and modern facilities, and a driving desire to continue to be the best at what we do.*

**Job Description:** Simulate and virtual commission all machines that are being developed for our customer base.

**Reporting to:** Controls Engineering Supervisor

### Primary Duties and Responsibilities:

- Setup and perform dynamic simulation analysis on equipment designs
- Work with mechanical design team to develop layouts and perform reach studies
- PLC and HMI program development using multiple types of software such as Rockwell, Siemens or Omron
- Lead the virtual commissioning of projects
- Robot programming (Fanuc, ABB, Nachi, etc.)
- Configure robot TCP's and develop optimized robot paths
- Work with a team of engineering and manufacturing specialists to develop process flow
- Perform cycle time analysis on new processes
- Maintain project timing, meeting deadlines on deliverables
- Promote and contribute to a continuous improvement culture
- Other duties as required by Select Tool Management

### Requirements:

- 3+ years robot and/or PLC programming
- SolidWorks experience a plus
- Ability to read mechanical and electrical assembly drawings
- Strong problem-solving skills
- Valid Ontario Driver's license and Canadian Passport
- Ability to travel to and within Canada, USA and Mexico
- Excellent verbal and written communication skills.

### Education:

- Electrical Technology Diploma or Bachelor's Degree in Engineering

**Accessibility:** Select Tool is committed to fostering a positive work environment and empowering its employees. Select Tool encourages applications from all qualified applicants and provides accommodations for applicants with disabilities. Please contact [hr@selecttool.com](mailto:hr@selecttool.com) if you require an accommodation during the recruitment process.