

Amphenol

Amphenol Canada Corp. an ISO 9001 Company is a subsidiary of Amphenol Corporation of Wallingford, CT. and is exclusively dedicated to the development, manufacturing and marketing of filter connector systems for both the aerospace and commercial market segments.

Title: Electro-Mechanical Engineering Technologist

Reporting to: Business Excellence Manager

Part of a team: designing, analyzing, troubleshooting, assembling, modifying, maintaining and repairing automated electromechanical equipment, components, systems and subsystems. In addition, you will have knowledge of or be able to research/learn:

- Apply communication, documentation, computer applications and teamwork skills to support the engineering activities of an organization
- Assist with project management
- Human Machine Interface (HMI) screens
- Automatic identification (bar code scanners and Radio Frequency ID)
- Industrial networks (including Ethernet IP)
- Fanuc Industrial robot arms
- Fanuc Roboguide 3D Simulation software
- Variable Speed Drives (motor control)
- Material handling systems
- Process instrumentation and Control hardware, software and networking
- Vision cameras
- Supervisory Control and Data Acquisition (SCADA) software

Key Responsibilities

- Prepare cost and material estimates, project schedules and reports
- Conduct tests and analyses of machines, components and materials to determine their performance, strength, response to stress and other characteristics
- Prepare PO and RFQ documents
- Supervise, assist, monitor and inspect automation installation projects
- Participate in the installation, repair and maintenance of automation equipment
- Develop or maintain programs associated with automated production equipment.
- Prepare layouts, drawings, or sketches of machinery or equipment, such as shop tooling, scale layouts, or new equipment design, using drafting equipment or computer-aided design (CAD) software.
- Develop or maintain programs associated with automated production equipment.
- Monitor or measure manufacturing processes to identify ways to reduce losses, decrease time requirements, or improve quality.
- Recommend technical design or process changes to improve efficiency, quality, or performance
- Recommend corrective or preventive actions to assure or improve product quality or reliability.
- Prepare or assist in preparing layouts, drawings, or sketches of machinery or equipment, such as shop tooling, scale layouts, or new equipment design, using drafting equipment or computer-aided design (CAD) software.
- Create graphical representations of industrial production systems.
- Coordinate equipment purchases, installations, or transfers.
- Estimate manufacturing costs.
- Other duties as required

Desirable Qualifications and experience:

- Understanding Digital Fundamentals
- Understanding of Electricity
- Electronic Circuits
- Industrial Controls
- Programming PLC/PAC and robotics
- Knowledge of soldering and wiring
- Ability to use hand tools
- Knowledge of HMI (human machine interface)
- Knowledge of Windows and Network connectivity

- automatic identification systems
- Instrumentation & Control
- Pneumatics
- Supervisory control and data acquisition (**SCADA**)
- CAD For Electromechanical Technology
- Fluid Power
- Technical Report Writing (Microsoft Office)
- Knowledge in FANUC Robotics 3D Simulation software and FANUC Industrial robot arms
- Knowledge of FANUC CNC machine controllers
- Automation Systems
- Manufacturing Processes
- Integrated Automation
- Applied Mechanics
- Math, Calculus & Physics
- Manufacturing process experience
- Understand and comply with company's safety and WHIMIS guidelines
- Ability to lift 50 lbs
- Assist in the construction and installation of new equipment
- Ability to work as part of a collaborative team or individually with minimum supervision

Education requirements:

- Diploma or degree in Engineering Technology or related field.

Amphenol Canada is committed to developing inclusive, barrier-free selection processes and work environments. If contacted in relation to a job opportunity you should advise Amphenol, in a timely fashion, of the accommodation measures which must be taken to enable you to be assessed in a fair and equitable manner. Information received relating to accommodation measures will be addressed confidentially.