



EMC

INDUSTRIAL MECHANIC - MILLWRIGHT

Millwrights are also called Industrial Mechanics. They install, maintain, troubleshoot, overhaul and repair stationary industrial machinery and mechanical equipment. Millwrights will read diagrams and schematic drawings and service manuals to determine work procedures. They will operate rigging equipment to pick and place machinery and part, fit bearings, align gears and shafts, attach, and align motors, connect coupling and belts, perform predictive and operation maintenance using laser alignment tooling, vibrational analysis and destructive/non-destructive testing, and service and repair hydraulic and pneumatic equipment.

The WILWorks Skilled Trades – Industrial Mechanic Millwright Program will provide training combined with hands-on practical experience to help you to decide if this career is well suited to you! You'll have a jump start on understanding mechanical power transmissions, pneumatics, and hydraulics as you explore this career through the WILWorks Skilled Trades Program.

SKILLS

- Collaboration
- Attention to Detail
- Problem Solving
- Communication
- Critical Thinking
- Creativity
- Digital Literacy

KEY DUTIES

- Uses machine tools such as lathes and milling machines and fabrication tools such as welders, breaks, presses, power threaders and punches
- Uses precision tools such as laser alignment equipment, dial indicators, micrometers and precision and optical levels
- Uses testing equipment such as vibration analysis as well as other techniques used in predictive and preventive maintenance
- Installs, maintains and services compressed air, water and exhaust ducting to robotics, pumps, presses, compressors, turbines, material-handling systems, gearboxes, and other machinery

WAGES

Industrial mechanics usually earn between \$20/hour and \$45/hour in Canada

EMPLOYMENT REQUIREMENTS

Completion of a three- to four-year apprenticeship program; an EMC Advancement Coach can provide guidance on career pathways
Industrial Mechanic is a Red Seal Trade, meaning you are licensed to seek employment across Canada.