



MILL OPERATIONS

POSITIONS IN THE FOREST PRODUCTS INDUSTRY



MILLWRIGHT AND INDUSTRIAL MECHANIC

OTHER JOB TITLES: card fixer, card grinder, open-end technician, plant equipment mechanic, treatment plant maintenance mechanic, industrial mechanic, construction millwright.

IF YOU WANT GOOD PAY, OPPORTUNITIES TO LEARN ON THE JOB, A GREAT LIFESTYLE AND THE CHANCE TO WORK IN CANADA'S GREENEST WORKFORCE, THEN THE FOREST PRODUCTS INDUSTRY IS RIGHT FOR YOU.

Why green? The forests are a renewable natural resource and the Canadian forest products industry is known for its world-class environmental credentials, including having the most certified forests in the world, and cutting more than 70% of its greenhouse gas emissions since 1990.

The industry offers something for everyone. It's an industry with a reputation for investing in skills training and career growth, and no matter what part of the forest products industry you work in – on the mill floor as a mechanical engineer, or in the forest as a forestry technician – every job is part of the greenest industry in Canada.

Canadian forest product companies will need to hire 60,000, or more, **new workers by 2020** to meet demand and you could be one of them!

DESCRIPTION

A millwright, or industrial mechanic, is a tradesperson who installs, maintains and repairs stationary industrial machinery and mechanical equipment. They interpret drawings, follow layouts and assemble parts until they are in perfect working order. Millwrights and industrial mechanics work in a variety of industries, and can pursue complementary training and develop extra skills in steel fabrication, welding, machining, electronics, hydraulics or pneumatics.

Construction millwrights are mostly engaged in the initial installation of industrial plant machinery and equipment. Industrial mechanics are more concerned with the post-installation maintenance and repair of machinery and equipment.

Industrial mechanics and millwrights may be cross-trained in a second trade such as pipefitting, welding, machining or electrical maintenance. A day in the life of a millwright might involve installing a giant turbine for an industrial mechanic to maintain and keep humming.

KEY RESPONSIBILITIES

In this role you may perform some or all of these duties:

- read blueprints, diagrams and schematic drawings
- install and dismantle stationary industrial machinery and mechanical equipment, like pumps, fans and furnaces
- operate hoisting and lifting devices like cranes and tractors
- operate machine tools like lathes and grinders
- assemble machinery and equipment before installation

THIS JOB IS RIGHT FOR YOU IF...

- you want to live an oversized life in one of Canada's beautiful forest communities
- a sense of community is important to you
- you like variety and learning new things
- you want to make a difference working in a green job
- you enjoy troubleshooting and preventive maintenance
- you wear the title "jack of all trades" like a badge of honour
- you have excellent problem solving skills
- you want to work with mechanical and electrical systems

\$ EARNING POTENTIAL



This is the high end of the Canadian average. In some areas, millwrights and industrial mechanics make more than \$45 per hour.

+ BENEFITS MAY INCLUDE

- Apprenticeships
- Career growth
- Daycare
- Dental and medical plans
- Employee assistance plans
- Pensions
- Ongoing training

EDUCATION AND TRAINING

You should finish high school before pursuing a career as a millwright or industrial mechanic. Then you will need to complete a three- to five-year apprenticeship program or a combination of work experience in the trade and some high school, college or industry courses over five years. Certification is required by all provinces. An interprovincial *Red Seal* endorsement is also available to allow your skills to be officially recognized across Canada.

Apprenticeship grants: Apprentices can receive up to \$4,000 in grants to pay tuition, travel, tools, or other expenses. If you are considering an apprenticeship, visit the interprovincial *Red Seal* program for information on how to get started. Here is a complete list of Canadian Universities and Colleges: thegreenestworkforce.ca/education

#LIFE'S BETTER HERE

Dare to Compare. See how much time and money you would save by moving to a forest community. Visit thegreenestworkforce.ca/compare