



# MACHINIST

*machinist apprentice, machinist lead hand, machinist charge hand, machinist technician, machining inspector, machinist, machinist apprentice machinist, maintenance, tooling inspector*

Machinists are precise people. They enjoy making complex parts with and without the help of computers. Machinists set up and operate a variety of machine tools to cut or grind metal, plastic or other materials to make or modify parts or products – all to exact dimensions. Machinists also work as machining and tooling inspectors who inspect machined parts and tooling in order to maintain quality control standards.

Are you a techie at heart who takes pride in producing high-quality manufactured products? If the answer is yes, then you could be a machinist. Your workspace is a workshop. Many machinists spend their days transferring complex mechanical engineering drawings from a computer screen to computerized machinery. This means you move back and forth between the worlds of computers and precision machines.

## KEY RESPONSIBILITIES



Machinists perform some or all of the following duties:

- Sourcing types of metal for specific jobs
- Cutting and machining steel
- Performing precision measurement and inspections
- Interpreting engineering drawings
- Working with gears, threads and fasteners
- Using computer-aided design (CAD) software
- Using computer-aided manufacturing (CAM) software

## 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 like precision
- You are comfortable with computers
- You are handy with tools
- You want to work in a workshop, not an office

## EDUCATION AND TRAINING



Getting a high school diploma or an equivalent qualification is mandatory for machinists. After that, you will need to complete a four-year apprenticeship program. Apprentice machinists get training while earning a pay cheque and building a career as a highly skilled worker. 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 Red Seal for information on how to get started.

Here is a complete list of Canadian Universities and Colleges:  
[thegreenestworkforce.ca/education](http://thegreenestworkforce.ca/education)

### Notice

The requirements listed are generally required qualifications for this Career Type. The qualifications may vary based on the employer and/or the geographic location of that job.

## DARE TO COMPARE

See how much time and money you would save by moving to a forest community.

[thegreenestworkforce.ca/compare](http://thegreenestworkforce.ca/compare)

**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.**