

MACHINISTS

Machinists operate various machines, including conventional, portable and Computer Numerical Control (CNC) machines to shape metals and other materials to precise dimensions. They work with equipment such as lathes, milling machines, saws, grinding machines, drilling machines, boring machines, line borers and portable milling machines.

Machinists ensure precision in cutting, grinding and shaping materials with advanced machinery, creating custom parts and prototypes, maintaining and troubleshooting equipment, performing quality control, and working with automated systems to enhance production efficiency and innovation.

The WILWorks Skilled Trades Machinist Content will provide technical training combined with hands-on practical experience to help you decide if this is a career for you! You'll have a jump start on understanding machinist terminology and foundations, as you explore this career through WILWorks Skilled Trades.

Skills

- Numeracy
- Reading Comprehension
- Collaboration
- Attention to Detail
- Problem Solving
- Communication
- Creativity
- Digital Literacy
- Operation and Control
- Quality Control Testing
- Equipment and Tool Selection
- Setting Up
- Repairing
- Critical Thinking

Key Duties

A Machinist is responsible for cutting, shaping, and finishing metal to create precise components and parts utilized across various manufacturing sectors. Their role includes:

- Interpreting detailed engineering drawings and work-process documents,
- Shaping metal to produce precision parts and components,
- Setting up and operating both traditional and computer-controlled metal-cutting machines, such as saws, drills, grinders, lathes, and mills, and
- Using specialized precision tools and equipment to measure and check work-in-progress.

Wages

Machinist in Canada typically earn between \$20/hour and \$40/hour.

Employment Requirements

Completion of a 4-year apprenticeship program, or a combination of over four years of work experience and industry courses in machining may be required for the trade certification. An EMC Advancement Coach can provide guidance on career pathways in your region and for the Machinist Red Seal Trade, meaning you are licensed to seek employment across Canada.