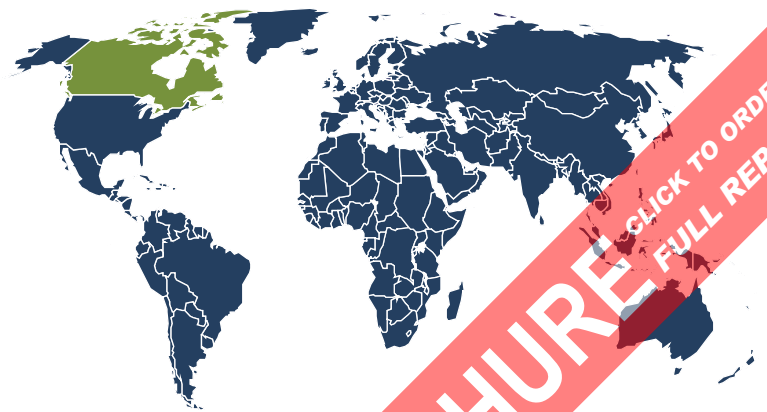


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Machine Tools: Canada

November 2019



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About This Report

Scope

This report forecasts to 2023 machine tool demand in nominal US dollars at the manufacturer level in Canada. Total demand is segmented by product in terms of:

- metal cutting
- metal forming
- machine tool accessories and spare parts

Total demand is also segmented by market as follows:

- machinery
- transportation equipment
- primary and fabricated metals
- electrical and electronic equipment
- other markets such as construction, packaging, and power generation

To illustrate historical trends, total demand is provided in annual series from 2008 to 2018; the various segments are reported at five-year intervals for 2008, 2013, and 2018.

Excluded from the scope of this report are:

- tools designed primarily for home use or nonmetal applications, as well as industrial patterns, welding apparatus, and other types of metalworking machinery (e.g., foundry equipment)
- used machine tools of all types
- related services such as equipment rebuilding, retrofitting, and systems integration

For any given historical year, US dollar amounts are obtained from values expressed in Canadian dollars. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2018.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Machine Tools: Canada (FA75018) is based on *Global Machine Tools*, a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 5 | NAICS & SIC Codes Related to Machine Tools

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
333515	Cutting tool and machine tool accessory mfg	3541	Machine tools, metal cutting type
333517	Machine tool mfg	3542	Machine tools, metal forming type
		3545	Machine tool accessories

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly.

About This Report

Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Gaskets & Seals

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Global Bearings

Global Buses

Global Commercial Refrigeration Equipment

Global Construction Machinery

Global Diesel Engines

Global HVAC Equipment

Global Hybrid & Electric Vehicles

Global Industrial Valves

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Power Tools: Canada

Pumps: Canada

Small Kitchen Appliances: United States

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Trade Publications

American Machinist

Canadian Fabricating & Welding

Canadian Metalworking

Cutting Tool Engineering

About This Report

Metal Working World Magazine
Modern Machine Shop

Agencies & Associations

Association of Equipment Manufacturers
Canadian Centre for Occupational Health and Safety
Canadian Machine Tool Distributors Association
Canadian Tooling & Machining Association
Statistics Canada
United Nations Statistics Division
World Bank