



Industry Profiles 2018

Manufacturing
Industry

OVERVIEW

The Manufacturing industry¹ in Alberta includes establishments involved in:

- food manufacturing;
- beverage and tobacco product manufacturing;
- textile, textile product mills and clothing manufacturing;
- petroleum and coal products manufacturing;
- chemical, plastics and rubber manufacturing;
- computer and electronic products manufacturing; and
- other manufacturing.

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¹ North American Industry Classification System (NAICS) 2007 groups 311 and 339

SECTION A

BUSINESS ENVIRONMENT

1. 2017 Employment and Unemployment Numbers and Rates

Table 1

	Alberta	Manufacturing Industry
Employment	2,286,900	119,200
Employment Share	N/A	5.2%
Unemployment	194,700	7,000
Unemployment rate	7.8%	5.5%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0008, 2017

Note: Note: N/A denotes not-applicable. Employment share is obtained by dividing the number of employment in this industry by total employment in Alberta.

For more information on employment numbers or for a historical comparison, please go to the Labour Force Statistics² website or Statistics Canada³.

2. Industry's Growth

- The Manufacturing industry accounted for 5.2% of total employment in Alberta in 2017.
- Employment in this industry is expected to grow at an average rate of 1.0% from 2017 to 2021⁴.
- The industry is expected to account for 5.2% of total employment in Alberta in 2018.

For more information, see the Alberta Learning Information Service (ALIS)⁵ website for descriptions of industries.

² See <http://work.alberta.ca/labour/labour-force-statistics-and-annual-reviews.html>

³ See <http://www.statcan.gc.ca>

⁴ Alberta Modified Canadian Occupational Projection System (COPS) Outlook 2017 – 2021, Industry Employment Outlook

⁵ See <http://www.alis.alberta.ca>

3. Facts, Trends and Outlook

According to Statistics Canada’s National Economic Accounts, the Manufacturing industry accounted for approximately 5.6% of Alberta’s Gross Domestic Product in 2016, down from 7.7% in 2006. Its contribution to Alberta’s total employment declined from 7.3% in 2007 to 5.2% in 2017.

Total employment (the total number of employees and self-employed people, 15 years and over) in 2017 was 3.2% lower than its level in 2016. Over the last 10 years, employment decreased by 25,200 from 2007, a 21.1% decrease. There were 119,200 employed in the industry in 2017, of whom 95.2% were full time and 4.8% were part time.

Table 2

Characteristic	Alberta	Manufacturing
Median Retirement Age (years)	65.4	N/A
Average Number of Hours Worked per Week	36.7	40.4
Multiple Jobholders (% of total employment)	6.1%	3.4%
Average Job Tenure (months)	91.4	101.9
Employees Under Union Coverage (%)	25.0%	17.7%
Employees Working Overtime per Week (%)	17.8%	23.9%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Tables 282-0022, 282-0031, 282-0042, 282-0078 and 282-0084, 2017, and custom tabulation (median retirement age)

Note: The percentage of multiple jobholders is obtained by dividing the number of multiple jobholders by total employment. This calculation method also applies to the percentage of employees under union coverage and the percentage of employees working overtime per week.

4. Size of Businesses in Alberta and the Industry

Table 3

Establishment Size	Businesses in Alberta		Businesses in Manufacturing	
	Number of Employees	%*	Number of Employees	%*
Less than 20 employees	675,100	35.4%	29,200	26.5%
20 to 99 employees	669,900	35.2%	36,600	33.2%
100 to 500 employees	342,000	18.0%	31,100	28.2%
More than 500 employees	217,600	11.4%	13,500	12.2%

Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0076, 2017

* Percentages may not add up to 100 due to rounding

Note: Statistics Canada's survey methodology for determining establishment size differs from the one it uses in the Labour Force Survey to determine total employment. As a result, the total number of employees by establishment size will not be the same as total employment in the industry, except by coincidence.

SECTION B

HUMAN RESOURCES PROFILE

1. Occupational Information

Some examples of occupations in the Manufacturing industry include:

- meat cutter;
- machinist;
- manufacturing engineer;
- sawmill machine operator; and
- instrument technician.

For a complete listing of all occupations related to this industry, as well as detailed information on education and skill requirements, visit the Alberta Occupational Profiles⁶ website.

2. Demographics: Gender and Age

According to the Labour Force Survey, the gender breakdown in the Manufacturing industry in 2017 was as follows:

- women employed: 26,900 people, or 22.6%
- men employed: 92,300 people, or 77.4%

Overall in Alberta, women accounted for 45.5% and men made up 54.6% of total employment (for all industries).

Table 4

Age Characteristics	Employment in Alberta		Employment in Manufacturing	
	Number	%*	Number	%*
15-24 years	293,800	12.8%	9,200	7.7%
25-54 years	1,554,900	68.0%	88,200	74.0%
55 years and over	438,200	19.2%	21,900	18.4%

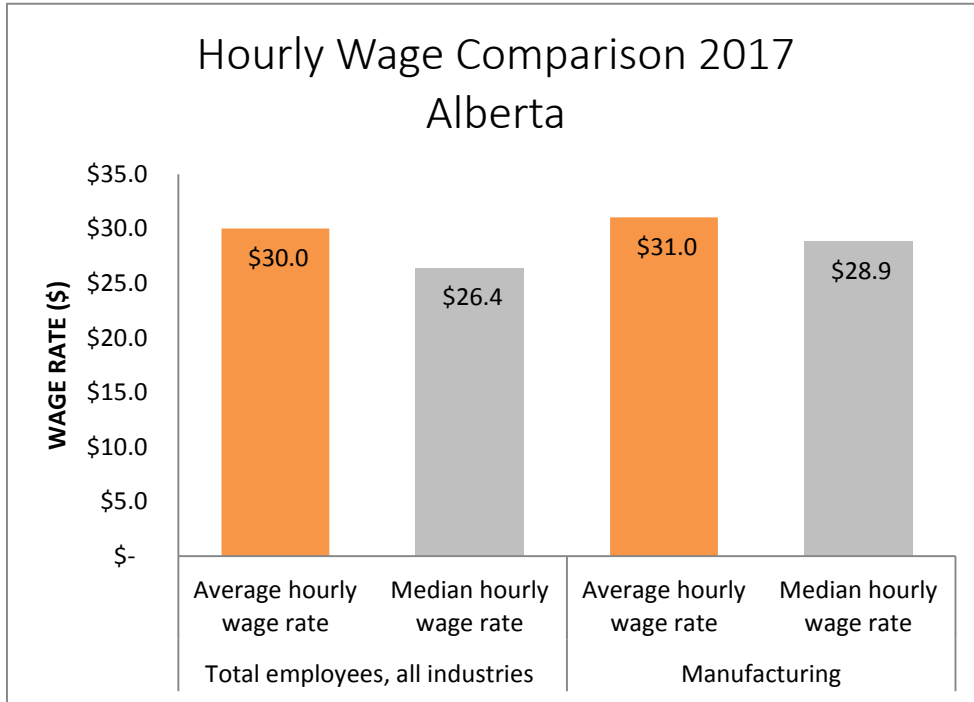
Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0008, 2017

*Percentages may not add up 100 due to rounding.

⁶ See <http://occinfo.alis.alberta.ca/occinfopreview>

3. Wages and Salaries

Chart 1



Data Source: Statistics Canada, Labour Force Survey, CANSIM Table 282-0072, 2017

Note: The average hourly wage is obtained by dividing the sum of the wages of all the employees by the total number of employees. The median hourly wage is that wage below which half the employees earn and above which half the employees earn.

Wage and Salary Information for Selected Occupations

Table 5

Occupation	Median Hourly Wage			Average Annual Salary
	Starting	Overall	Top	
Industrial engineer	\$25.00	\$34.90	\$53.42	\$77,367
Manufacturing manager	\$38.46	\$46.29	\$51.92	\$99,581
Machinist	\$25.00	\$30.00	\$39.00	\$65,867

Data Source: 2017 Alberta Wage and Salary Survey

For more information on the *2017 Alberta Wage and Salary Survey*, refer to the WAGEinfo⁷ website. For job descriptions, duties, skills and educational requirements of specific occupations in the Manufacturing industry, visit the ALIS⁸ website.

⁷ See <http://www.alis.alberta.ca/wageinfo>

⁸ See <http://www.alis.alberta.ca>

SECTION C

ADDITIONAL INFORMATION

Links to Industry Associations

- Beer Canada
(<https://industry.beercanada.com/>)
- Canadian Poultry and Egg Processors Council
(<http://www.cpepc.ca>)
- Canadian Plastics Industry Association
(<http://www.plastics.ca>)
- Canadian Fuels Association
(<http://canadianfuels.ca>)
- Canadian Machinery and Metal Working Magazine
(<http://www.canadianmetalworking.com>)
- Canadian Manufacturers and Exporters
(<http://www.cme-mec.ca>)

Call us or visit our website for more information or to find the following publications:

- 2017 Annual Alberta Labour Market Review
- Monthly Alberta Labour Force Statistics Highlights and Packages
- Alberta's Occupational Demand and Supply Outlook
- Alberta Labour Force Profiles
- Alberta Industry Profiles

www.work.alberta.ca/labour.html (see Labour Market Information)

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