

# Canada

## Locomotives, Rolling Stock and Parts

DURABLE  POWERFUL  WORLD RENOWNED

**Canadian locomotives, rail cars and replacement parts** are known worldwide for their quality and reliability. For over a century, Canadian manufacturers have built tough rail equipment that withstands varying climates, rugged terrain and the unforgiving daily requirements of the rail industry.

Canadian companies also build freight and passenger cars to specification, rebuild locomotives to near-new quality and provide replacement parts for any train component. The industry is international in scope and has provided rail equipment to every continent on earth.

### CANADA'S GLOBAL PRESENCE

Here is just a sampling of Canada's recent international success:

- ▶ Canada shipped over C\$1 billion of rolling stock and parts to markets around the world in 2001.
- ▶ **Alstom Canada Inc.** recently remanufactured fifty locomotives for a Class 1 US carrier and built a 6 MW diesel power station for use in the Dominican Republic.
- ▶ Since 1972, **Canada Allied Diesel** has sent quality remanufactured engines to such countries as Australia, Bangladesh, Brazil, Chile, Ecuador, France and Spain.

*Canadian locomotives are favoured by railway operators for their craftsmanship as well as their durable and robust qualities.*  
(Photo: General Motors of Canada Ltd. Electromotive Division)



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## Locomotives, Rolling Stock and Parts

- ▶ The **Electro-Motive Division of General Motors Canada** recently opened an office in Germany to better serve European customers. The company has supplied over 50,000 locomotives throughout the world and is currently completing a single US order for 1,000 new locomotives by 2004.
- ▶ Since 1877, **Griffin Wheel Company** has specialized in wheel manufacturing, serving customers from 11 North American factories, research labs and offices.
- ▶ **Bombardier Inc.**, a Canadian-based company, is a global leader in the rail equipment manufacturing and servicing industry. Bombardier has participated in the development of many of the world's leading high-speed rail systems, including the ICE trains used in Germany and the Netherlands, Italy's ETR 500, China's Xinshisu, Spain's Talgo and America's Acela.



### CANADIAN COMPANIES: ON TRACK TO SUCCESS

#### Locomotives

The largest builder of locomotives in the world is the Electromotive Division (EMD) of General Motors Canada. Most of EMD's production is shipped outside of Canada and frequently to developing countries that often have more challenging terrain. The powerful GM locomotives have become one of the most popular brands in the world.

Other companies, including Canada Allied Diesel and International Technical Services, have an excellent reputation for rebuilding and upgrading locomotives and locomotive engines.



Whether built from scratch or rebuilt, Canadian locomotives are in demand worldwide because they are powerful, reliable and require little maintenance.

#### Rolling Stock

Several freight car manufacturers in Canada build a wide range of products, including centrebeam, flat, mine, coil, covered hopper and box cars. National Steel Car and TrentonWorks are leaders in freight car manufacturing and can build any type of car according to customer specifications.

Other companies deal exclusively with the upgrading and maintenance of freight cars. Keeping existing rolling stock on the rails is an important part of keeping costs down for any rail operation.

Bombardier Transportation has a world-renowned track record for producing superior urban transit equipment, including urban transit passenger cars that are in use around the world.



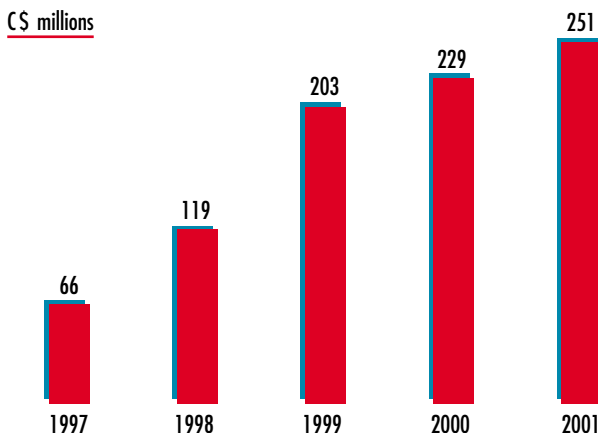
Covered hoppers provide maximum cubic capacity and increase shipping efficiency for such products as potash, grain and salt. (Photo: National Steel Car Ltd.)

Parts

Many Canadian companies in the railway equipment industry sell a wide range of parts for locomotives and rolling stock. Products range from doors and whistles to wheels and seating, as well as big and small parts for locomotive diesel engines. Some companies produce iron castings for diesel locomotives and railcars while others recondition engine parts.

The Canadian locomotive and rolling stock parts industry can supply any replacement part for a train. Canadian rail parts have travelled the globe and have earned a reputation for quality and craftsmanship.

Canadian Exports of Rolling Stock Parts, 1997-2001



RAIL: FOREVER EVOLVING WITH TIME

Canadian companies have kept pace with innovation in the industry. Advancements in railcar and locomotive manufacturing are leading to higher horsepower and more fuel-efficient locomotives with positive traction systems that improve rail line productivity.



Locomotive engines can be built from scratch, remanufactured or overhauled by qualified Canadian firms. (Photo: Canada Allied Diesel Co. Ltd. — CAD)

New train technology has benefits for both shippers and the environment. More powerful and efficient locomotives and more productive car fleets result in fewer trains required to do the same job.

Canadian manufacturers have built a reputation for producing quality products that stand the tests of time and use. International customers will continue to seek out reliable Canadian rail products.

With over a century of rail history, Canada knows the industry and the products that are needed to make rail operations efficient, competitive and successful.



Opportunities for the sale of rail equipment will continue to grow internationally as railway companies replace older equipment with newer and more efficient components. Canada is well-positioned to maintain its international ties and develop new markets. (Photo: CAD)



## NEED MORE INFORMATION ON CANADA?

### ► The Canadian Association of Railway Suppliers

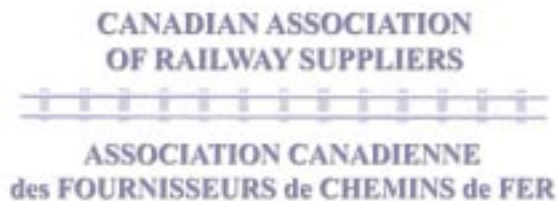
([www.railwaysuppliers.ca](http://www.railwaysuppliers.ca)) represents companies which supply a broad range of equipment and services to Canadian railways and export markets. As an advocacy group, the Association promotes the economic viability of the rail mode within Canada.

The Canadian government maintains a comprehensive on-line database of firms, products and capabilities at [www.strategis.gc.ca/rail](http://www.strategis.gc.ca/rail).

*Canadian rail expertise developed over a period of 120 years when track was first laid from coast-to-coast through the country's most challenging terrain.*  
(Photo: Rick Robinson, Canadian Pacific Railways)



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