# Railroad Equipment Suppliers in USA & Worldwide in 2022

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Railroad Equipment Suppliers in USA & Worldwide in 2022 – How large is the railroad sector? The value of the worldwide railroad industry was USD 660 million in 2018; it is anticipated to increase to USD 890 million by the end of 2025, with a CAGR of 4.3%. The top ten largest railroad firms in the world contribute to economic growth, encourage job creation, and offer significant environmental advantages, including lessened traffic congestion and cleaner air. Union Pacific Railroad is the largest railroad corporation in the world in terms of market capitalization. When considering market cap, Canadian National Railway and Central Japan Railway Company complete the top 3 train companies worldwide. According to revenue, Deutsche Bahn is the largest railroad corporation in the world.

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## **Railroad Industry**

Rail transportation, sometimes referred to as train transportation, is a kind of transportation that moves people and commodities on wheeled vehicles that are moving over rails that are found on tracks. Rail cars (rolling stock) are directionally guided by the rails on which they move, as opposed to road transport, where the vehicles operate on a prepared level surface. Steel rails are often erected on sleepers (ties) that are buried in ballast to form the tracks, which are used to convey rolling stock, which is typically equipped with metal wheels. There are more versions that may be used, such as "slab track," where the rails are attached to a concrete foundation that rests on a prepared subsoil.



Early example of railroad industry (Reference: wikipedia.org)

In a rail transport system, the rolling stock often experiences less frictional resistance than rubber-tired road vehicles, allowing for the coupling of passenger and freight cars (carriages and wagons) into longer trains. A railroad firm manages the operation, providing transportation between train stations or facilities for freight customers. The power is provided by locomotives, which either use steam engines or, historically, diesel engines to generate their own power or take electricity from a railway electrification system. The majority of railroads come with a signaling system. Railroads are a safe type of land transportation compared to other modes of transportation. When considering lower traffic levels, railway transport is generally less flexible and more capital-intensive than road transport, despite being capable of high levels of passenger and cargo utilization and energy efficiency.

The earliest known man- or animal-powered railways were constructed at Corinth, Greece, in the sixth century BC. Then, in the middle of the 16th century, horse-powered funiculars and wagonways were used to begin rail transportation in Germany. Richard Trevithick operated a steam locomotive and loaded carts between Penydarren Ironworks and Abercynon in Merthyr Tydfil, where the British developed the steam locomotive in 1802. This was the beginning of modern rail transportation. Britain has the oldest railway system in the world as a result. The Locomotion No. 1 was the first steam locomotive to haul passengers on a public rail line, the Stockton and Darlington Railway, and it was built by George Stephenson and his son Robert's business, Robert Stephenson and Company, in 1825. The Liverpool and Manchester Railway, which opened for business in 1830, was also constructed by George Stephenson and was the first public intercity rail route in the history of the globe to employ exclusively steam engines. Mainline railroads, which were a crucial part of the Industrial Revolution, could be built with steam engines. Railways also allowed for less lost cargo and lower shipping costs than marine transportation, which occasionally had shipwrecks. The transition from canals to railroads made it possible to create "national marketplaces" where pricing variations across cities were minimal. Train time was standardized in Britain based on Greenwich Mean Time due to the expansion of the rail network and the use of schedules. Prior to this, the local time in important cities and towns fluctuated in relation to GMT. One of the most significant technological advancements of the 19th century was the creation and development of the railway in the United Kingdom. The Metropolitan Railway, which is a section of the London Underground, became operational in 1863.

The introduction of electric trains in the 1880s paved the way for the electrification of tramways and fast transit networks. In most nations, the transition from steam locomotives to diesel-electric locomotives began in the 1940s and was nearly finished by the 2000s on non-electrified railways. High-speed electrified rail networks were first developed in Japan in the 1960s and then in a few other nations. Due to environmental concerns, several nations are replacing diesel locomotives with electric locomotives. Switzerland is a noteworthy example, having totally electrified its network. There have been attempts at other guided ground transportation methods outside the classic railway categories, such as monorails and magley, but their deployment has been few.

Rail transportation experienced a decline after World War II as a result of competition from automobiles and airplanes. However, in recent decades, it has experienced a resurgence due to road congestion, rising fuel prices, and government investments made to reduce CO2 emissions in response to concerns about global warming.



Railroad industry will face so many progress in the future (Reference: unece.org)

# **Top Railroad Equipment Suppliers**

Listed below are the top Railroad Equipment Suppliers, ranked by company size. Each company's information includes its headquarters, sales, year of foundation, and the number of employees. US dollars are used to measure annual sales. Following the table are summaries of each company.

Edit				
Company name	Headquarters	Year founded	Number of employees	Annual sale
Union Pacific Railroad	Nebraska, USA	1862	29,905	\$22.83 Bil
Canadian National Railway	Quebec, Canada	1919	24,000	\$11.14 Bil
Central Japan Railway Company	Nagoya, Japan	1987	30,323	\$16.9 Bil
East Japan Railway Company	Tokyo, Japan	1987	71,970	\$27.1 Bil
MTR	New Kowloon, Hong Kong	1975	28,053	\$7.14 Bil
Norfolk Southern Railway	Georgia, USA	1982	20,156	\$11.24 Bil
CSX Transportation	Florida, USA	1986	25,000	\$11.9 Bil
Canadian Pacific Railway	Calgary, Canada	1881	11,834	\$7.31 Bil
Deutsche Bahn	Berlin, Germany	1994	322,768	\$50.31 Bil
Indian Railways	New Delhi, India	1836	1,254,000	\$28.8 Bil
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### **Union Pacific Railroad**

What railroad firm is the biggest in the world? On our list of the world's top 10 largest railroad firms in 2022, Union Pacific Railroad is ranked first by market capitalization. The largest company on this list, Union Pacific Railroad, currently has a market valuation of USD 123.56 billion. West of Chicago and New Orleans, across 23 U.S. states, the Union Pacific Railroad is a freight-hauling railroad that runs 8,300 locomotives on tracks spanning 32,200 miles (51,800 km). The current headquarters of the Union Pacific Railroad is located at 1400 Douglas Street in Omaha, Nebraska, where it was established in 1862. Union Pacific Railroad came in at number four on this list of the top rail businesses in terms of revenue in the previous year, with revenues of USD 22.83 billion.

#### **Canadian National Railway**

Canadian National Railway, with a market value of USD 94.85 billion, is ranked second among the top 10 largest railroad businesses in the world. A Class I Canadian freight railroad with its main office in Montreal, Quebec, Canadian National Railway provides service to both North America and the Midwestern and Southern United States. With a network of over 20,400 route miles (32,831 km) of track from the Atlantic coast in Nova Scotia to the Pacific coast in British Columbia, CN is Canada's largest railroad in terms of both revenue and physical size. The present head office of the Canadian National Railway, which was established in 1919, is located in Montreal, Quebec. One of the greatest railway companies in the world by revenue, Canadian National Railway brought in USD 11.14 billion last year.

#### **Central Japan Railway Company**

The principal railway company in Japan that operates in the Chbu (Nagoya) area, Central Japan Railway Company, is ranked third on this list of the finest train companies in the world. The administrative offices of JR Central are housed at the JR Central Towers, which are located above Nagoya Station and serve as the company's operational core. The Tkaid Main Line between Atami Station and Maibara Station is the busiest train route run by JR Central. On this list of the largest railroad firms by market cap, Central Japan Railway Company is ranked third with a current

market valuation of USD 38.7 billion. One of the top railroad firms on this list based on revenue was Central Japan Railway Company, which also produced USD 16.9 billion in revenue.

### East Japan Railway Company

East Japan Railway Company is now ranked fourth on this list of the top 10 largest railroad businesses in the world, with sales of USD 27.1 billion and a market valuation of USD 36.2 billion. The majority of the assets and business activities of the government-owned Japanese National Railways were transferred to the seven for-profit businesses (Kabushiki gaisha) that make up the East Japan Railway Company on April 1, 1987.

## MTR

With a current market valuation of USD 31.14 billion, The Mass Transit Railway (MTR) is ranked fifth among the top 10 railroad corporations in the world. MTR is a significant public transportation system that serves Hong Kong. The 11-line rapid transit system is run by the MTR Corporation Limited (MTRCL) and serves the urbanized regions of Hong Kong Island, Kowloon, and the New Territories. It is made up of heavy rail, light rail, and feeder bus services. MTR made \$7.14 billion in income last year.

### Norfolk Southern Railway

On this list of the top 10 largest railroad corporations in the world, Norfolk Southern Railway comes in at number six. The current name of the old Southern Railway is Norfolk Southern Railway, a Class I freight railroad operating in the United States. The company, which has its corporate office in Atlanta, Georgia, runs 19,420 route miles (31,250 km) through 22 eastern states and the District of Columbia. It also has rights in Canada over the Canadian Pacific Railway's route from Albany to Montréal, as well as former CN routes from Buffalo to St. Thomas. With a market valuation of USD 27.1 billion and USD 11.24 billion in sales last year, Norfolk Southern Railway is one of the top railroad corporations in the world.

### **CSX** Transportation

With a market worth of USD 26.3 billion as of 2022, CSX Transportation is ranked seventh among the top 10 railroad firms. A Class I freight railroad, CSX Transportation serves the eastern United States as well as the Canadian provinces of Ontario and Quebec. The railways owned and operated by CSX Transportation cover over 21,000 route miles (34,000 km) of the track. The business is a Jacksonville, Florida-based subsidiary of Fortune 500 enterprise CSX Corporation. Last year, CSX Transportation brought in \$11.9 billion in revenue.

#### **Canadian Pacific Railway**

On this list of the top 10 largest railroad corporations in the world, Canadian Pacific Railway is ranked 8th with a market valuation of USD 22.8 billion and sales of USD 7.31 billion in the previous fiscal year. A historic Canadian Class I railroad founded in 1881, Canadian Pacific Railway has its corporate headquarters in Calgary.

### **Deutsche Bahn**

On this list of the top 10 largest railroad companies in the world in 2022, Deutsche Bahn is ranked ninth. Germany's Deutsche Bahn is a railroad organization. It is a private joint-stock company (AG) with its main office in Berlin, and the Federal Republic of Germany is its sole shareholder. One of the greatest passenger volumes in the world is carried by Deutsche Bahn yearly, totaling over two billion people. The largest railroad corporation in the world by revenue, Deutsche Bahn came in at number one on our list with sales of USD 50.31 billion last year. The market value of Deutsche Bahn is 18.85 billion USD.

#### **Indian Railways**

Indian Railways, the country's national railroad system run by the Ministry of Railways, completes BizVibe's ranking of the top 10 largest railroad firms worldwide. Indian Railway, which as of March 2019, has 68,155 km (42,350 mi) in route length, is the fourth-largest railway network in the world by area. As of April 1, 2022, 25 kV, 50 Hz AC electric traction is electrified along 39,866 km (24,772 mi) or 58.49% of all routes. In terms of income, Indian Railways brought in USD 28.8 billion last year, placing it among the top railway companies in the world by 2022.

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