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# Global Medium- & Heavy-Duty Trucks & Buses

December 2021



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# About This Report

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## Scope

This report forecasts to 2021 and 2025 global sales, production, and park for medium- and heavy-duty (MD/HD) trucks and buses by major global region in units. Regions include:

- North America
- Western Europe
- Asia/Pacific
- other regions, spanning Central and South America, Eastern Europe, and Africa/Mideast

In addition, for the three main regions, sales, production, and park by major country are forecast to 2021 and 2025.

To illustrate historical trends, global sales, production, and park by major region are provided from 2010 to 2020. For the three main regions, sales, production, and park by major country are provided from 2010 to 2020.

MD/HD trucks and buses are defined as vehicles in weight classes 4 through 8. MD/HD trucks include special-purpose vehicles (e.g., fire trucks, tow trucks, and garbage trucks) but do not include off-road agricultural, construction, and mining equipment or recreational vehicles.

Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

## Sources

*Global Medium- & Heavy-Duty Trucks & Buses* (FW85014) represents the synthesis and analysis of data from various 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 10 | NAICS & SIC Codes Related to MD/HD Truck & Bus**

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
336120	Heavy Duty Truck Manufacturing	3711	Motor Vehicles and Passenger Car Bodies
336211	Motor Vehicle Body Manufacturing	3713	Truck and Bus Bodies
336212	Truck Trailer Manufacturing	3715	Truck Trailers

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. 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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## Resources

### The Freedonia Group

#### Freedonia Industry Studies

*COVID-19 Economic Impact Report: Global Electric Motors*

*Global Automotive Coatings*

*Global E-Bikes*

*Global Electric Motors*

*Global Motor Vehicle Outlook 2020*

*Global Motorcycles*

*Global Thermoplastic Elastomers: Motor Vehicle Market*

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*Automotive Lubricants: United Kingdom*

*Automotive Lubricants: United States*

*Batteries: Canada*

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*Freight Services: United States*

*Gaskets & Seals: United States*

*Global Bearings*

*Global Light Vehicles*

*Global Lubricants*

*Hybrid & Electric Light Vehicles: United States*

*Insulated Wire & Cable: United States*

*Manufacturing: United States*

*Metal Stampings: United States*

*Motor Vehicle Biofuels: United States*

*Motor Vehicles: Canada*

*Motor Vehicles: Europe*

*Motor Vehicles: United States*

*Public Transport: United States*

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#### Trade Publications

*Autoblog*

*Automotive Industries*

*Automotive News*

*Automotive News China*

*Automotive News Europe*

*China Automotive Review*

*Heavy Duty Trucking*

*Truck News*

*WardsAuto*

## **Agencies & Associations**

Alliance of Automobile Manufacturers

American Trucking Associations

Association of Diesel Specialists

Association of Equipment Manufacturers

China Association of Automobile Manufacturers

European Automobile Manufacturers' Association

Global Automakers

Organisation Internationale des Constructeurs d'Automobiles (OICA)