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US Collection

Construction Machinery: United States

October 2019



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About This Report

Scope

This report forecasts to 2023 US construction machinery demand and production in nominal US dollars at the manufacturer level. Total demand is segmented by product in terms of:

- excavators
- cranes and draglines
- loaders
- dozers and off-highway trucks
- mixers, pavers, and related equipment
- graders, rollers, and related equipment
- separately sold replacement parts and attachments

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

Construction machinery used in mining, energy, forestry, and other nonconstruction applications (e.g., agriculture) is included in this report. The report covers both self-powered and non-self-powered machinery. Excluded from the scope of this report are:

- handheld equipment such as jackhammers
- certain products sometimes considered to be construction equipment, including aerial work platforms, dredging machinery, forklifts and telehandlers, industrial cranes, log splitters, pile driving equipment, and tunneling machinery
- cranes used in seaports (specifically those for maritime applications)
- used construction equipment
- sales of parts and attachments to new machinery original equipment manufacturers (OEMs)

Key macroeconomic indicators are also provided with quantified trends. 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

Construction Machinery: United States (FF75027) is based on [Global Construction Machinery](#), a comprehensive industry study published by The Freedonia Group. Reported

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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 nongovernmental 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 Construction Machinery

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
333120	Construction Machinery Manufacturing	3531	Construction Machinery

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,

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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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Diesel Progress

Equipment World

For Construction Pros

Global Construction Review

International Construction

International Rental News

OEM Off-Highway

Trenchless Technology

Agencies & Associations

Association of Equipment Manufacturers

ASTM International

Mine Safety and Health Administration

Occupational Safety and Health Administration

United States Department of Commerce

United States Environmental Protection Agency

United States International Trade Commission