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US Collection

Material Handling Equipment: United States

December 2019



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Table of Contents

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	5
Supply & Demand	6
Technology, Innovation, & Automation	7
Environmental & Regulatory Factors	9
3. Segmentation & Forecasts	10
Products	10
Industrial Trucks & Tractors	11
Conveying Equipment	12
Hoists, Cranes, & Monorails	13
Automated Storage & Retrieval Systems	14
Automated Guided Vehicles & Related Equipment & Software	15
Markets	18
Manufacturing	19
Mining	20
Distribution	21
Construction	22
Other Markets	23
4. Industry Structure	25
Industry Characteristics	25
Market Leaders	26
Crown Equipment	26
Hyster-Yale Materials Handling	27
KION Group (via Dematic)	27
5. About This Report	29
Scope	29
Sources	29
Industry Codes	30
Freedonia Methodology	30
Resources	32

List of Tables & Figures

Figure 1 Key Trends in US Material Handling Equipment Demand, 2018 – 2023	3
Figure 2 US Material Handling Equipment Demand Trends, 2008 – 2018	4
Table 1 Key Indicators for US Material Handling Equipment Demand, 2008 – 2023 (US\$ bil)	5
Figure 3 US Material Handling Equipment Supply & Demand Trends, 2008 – 2018	6
Figure 4 US Material Handling Equipment Demand by Product, 2008 – 2023 (US\$ bil)	10
Table 2 US Material Handling Equipment Demand by Product, 2008 – 2023 (US\$ mil)	10
Figure 5 US Material Handling Equipment Demand by Product, 2008 – 2023 (%)	17
Figure 6 US Material Handling Equipment Demand by Market, 2008 – 2023 (US\$ bil)	18
Table 3 US Material Handling Equipment Demand by Market, 2008 – 2023 (US\$ mil)	18
Figure 7 US Material Handling Equipment Demand by Market, 2008 – 2023 (%)	23
Table 4 Selected Suppliers to the US Material Handling Equipment Market by Product	26
Table 5 NAICS & SIC Codes Related to Material Handling Equipment	30

About This Report

Scope

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

- industrial trucks and tractors
- conveying equipment
- hoists, cranes, and monorails
- automated storage and retrieval systems
- automated guided vehicles (AGVs) and related equipment and software

Total demand is also segmented by market as follows:

- manufacturing
- mining
- distribution
- construction
- other markets such as agriculture, airports, and marine ports

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

Excluded from the scope of this report are aerial work platforms; elevators; lift tables; construction-type cranes, wrecker cranes, and similar items sometimes considered to be material handling equipment; related services (e.g., maintenance); and spare parts. Demand for material handling equipment is classified by the primary function of a building if the building includes multiple functions. For example, manufacturing facilities that include some warehousing operations are included in the manufacturing market, while buildings whose primary purpose is warehousing are counted in the distribution market even if they include some manufacturing operations.

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

Material Handling Equipment: United States (FF75039) is based on [Global Material Handling Equipment](#), a comprehensive industry study published by The Freedonia Group.

About This Report

Reported findings represent 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 5 | NAICS & SIC Codes Related to Material Handling Equipment

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
333922	Conveyor and conveying equipment manufacturing	3535	Conveyors and conveying equipment
333923	Overhead traveling crane, hoist, and monorail system manufacturing	3536	Hoists, cranes, and monorails
333924	Industrial truck, tractor, trailer, and stacker machinery manufacturing	3537	Industrial trucks and tractors

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.

About This Report

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

Global Material Handling Equipment

Freedonia Industry Studies

Global Construction Machinery

Hand Tools in the US

Power Tools in the US

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Construction Machinery: United States

Construction: United States

E-Commerce: United States

Freight Services: United States

Global Construction Chemicals

Global Diesel Engines

Global Machine Tools

Hoses & Belts: United States

Manufacturing: United States

Medium- & Heavy-Duty Trucks & Buses: United States

Mining & Quarrying: United States

Mining Equipment: United States

Rubber: United States

Warehousing & Storage Services: United States

Freedonia Custom Research

Trade Publications

American Machinist

Modern Materials Handling

The MHEDA (Material Handling Equipment Distributors Association) Journal

Agencies & Associations

Conveyor Equipment Manufacturers Association

Federation of Mechanical Industries

Industrial Truck Association

United States Census Bureau

United States Department of Commerce

United States International Trade Administration

United States International Trade Commission