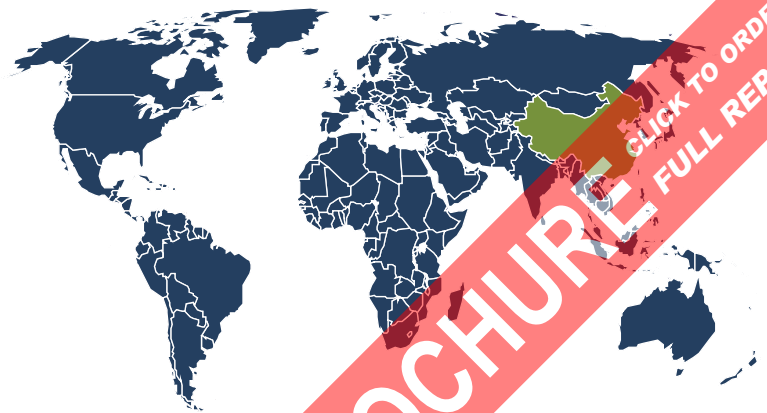




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Material Handling Equipment: China

December 2019



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Table of Contents

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	5
Technology, Innovation, & Automation	6
Environmental & Regulatory Factors	9
Asia/Pacific Regional Outlook	10
3. Segmentation & Forecasts	12
Products	12
Industrial Trucks & Tractors	15
Hoists, Cranes, & Monorails	16
Conveying Equipment	17
Automated Guided Vehicles & Related Equipment & Software	18
Automated Storage & Retrieval Systems	19
Markets	22
Manufacturing	23
Mining	24
Construction	25
Distribution	26
Other Markets	27
4. Industry Structure	29
Industry Characteristics	29
Market Leaders	30
Anhui Heli Company Limited (安徽合力股份有限公司)	30
Cargotec	30
Shanghai Zhenhua Heavy Industries (上海振华重工)	31
5. About This Report	32
Scope	32
Sources	33
Industry Codes	33
Freedonia Methodology	33
Resources	35

List of Tables & Figures

Figure 1 China: Key Trends in Material Handling Equipment Demand, 2018 – 2023	3
Figure 2 China: Material Handling Equipment Demand Trends, 2008 – 2018	4
Table 1 China: Key Indicators for Material Handling Equipment Demand, 2008 – 2023 (2017US\$ bil)	5
Figure 3 Asia/Pacific: Material Handling Equipment Demand by Country, 2018 (%)	10
Figure 4 China: Material Handling Equipment Demand by Product, 2008 – 2023 (US\$ mil)	12
Table 2 China: Material Handling Equipment Demand by Product, 2008 – 2023 (US\$ mil)	12
Figure 5 China: Material Handling Equipment Supply & Demand, 2008 – 2023 (US\$ mil)	13
Table 3 China: Material Handling Equipment Supply & Demand, 2008 – 2023 (US\$ mil)	13
Figure 6 China: Material Handling Equipment Demand by Product, 2008 – 2023 (%)	21
Figure 7 China: Material Handling Equipment Demand by Market, 2008 – 2023 (US\$ mil)	22
Table 4 China: Material Handling Equipment Demand by Market, 2008 – 2023 (US\$ mil)	22
Figure 8 China: Material Handling Equipment Demand by Market, 2008 – 2023 (%)	28
Table 5 China: Select Suppliers to the Material Handling Equipment Market by Product	30
Table 6 HS Codes Related to Material Handling Equipment	33

About This Report

Scope

This report forecasts to 2023 material handling products (物料搬运设备) demand and production in nominal US dollars at the manufacturer level in China. Total demand is segmented by product in terms of:

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

Total demand is also segmented by market as follows:

- manufacturing
- mining
- construction
- distribution
- other markets such as agriculture, forestry, and waste management

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.

Excluded from the scope of the report are: aerial work platforms; elevators; lift tables; construction-type cranes (principally mobile and tower cranes), wrecker cranes, and similar items sometimes considered to be material handling equipment; related services, such as equipment maintenance; and spare parts.

For any given historical year, US dollar amounts are obtained from values expressed in the applicable local currency. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2018.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Material Handling Equipment: China (FC75039) is based on [Global Material Handling Equipment](#), a comprehensive industry study published by The Freedonia Group. Reported 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 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 6 | HS Codes Related to Material Handling Equipment

HS Code	Definition
8425	Pulley tackle and hoists other than skip hoists; winches and capstans; jacks
842611	Overhead travelling cranes on fixed support
842612	Mobile lifting frames on tires and straddle carriers
842619	Other travelling cranes, transporter cranes, gantry cranes, bridge cranes, mobile lifting frames and straddle carriers
842630	Portal or pedestal jib cranes
842641	Other self-propelled cranes and lifting frames, on tires
842649	Other self-propelled cranes and lifting frames, not on tires
842699	Other cranes and derricks, nes
8427	Fork-lift trucks; other work trucks fitted with lifting or handling equipment
8428	Other lifting, handling, loading or unloading machinery (e.g., lifts, escalators, conveyors, teleferics)

Source: United Nations Statistics Division

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.

About This Report

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

Global Material Handling Equipment

Freedonia Industry Studies

Global Agricultural Equipment

Global Construction Machinery

Global E-Commerce

Global Forestry Equipment

Global Mining Equipment

Hand Tools in the US

Power Tools in the US

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Construction: United States

Construction Machinery: United States

E-Commerce: United States

Freight Services: United States

Global E-Commerce

Hoses & Belts: United States

Manufacturing: United States

Mining Equipment: United States

Mining & Quarrying: United States

Rubber: United States

Warehousing & Storage Services: United States

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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

Korean Statistical Information Service (KOSIS)

Ministry of Economy, Trade and Industry (Japan)

United Nations Comtrade