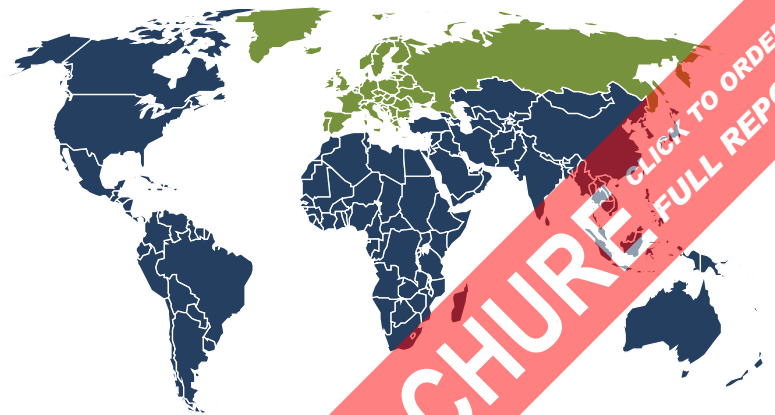




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Material Handling Equipment: Europe

August 2022



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About This Report

Scope

This report forecasts to 2026 material handling equipment demand and production in nominal US dollars at the manufacturer level in Europe. Total demand is segmented by product in terms of:

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

Total demand is also segmented by market as follows:

- manufacturing
- mining
- construction
- trade and distribution
- other markets such as agriculture, forestry, and airports

To illustrate historical trends, total demand is provided in annual series from 2011 to 2021; production and the various segments are reported at five-year intervals for 2011, 2016, and 2021.

Excluded from the scope of this report are:

- aerial work platforms
- construction-type cranes (mostly mobile and tower cranes), wrecker cranes, and similar items that could be considered material handling equipment
- elevators
- lift tables
- related services, such as equipment maintenance
- 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 2021.

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.

For the purposes of this report, Europe encompasses the following countries:

Table 6 | Countries in Western Europe

Andorra	Germany*	Italy*	Portugal
Austria	Gibraltar	Jersey	Saint Pierre and Miquelon
Belgium	Greece	Liechtenstein	San Marino
Channel Islands	Greenland	Luxembourg	Spain*
Denmark	Guernsey	Malta	Sweden
Faeroe Islands	Iceland	Monaco	Switzerland
Finland	Ireland	Netherlands*	United Kingdom*
France*	Isle of Man	Norway	Vatican City

*Major material handling equipment markets.

Source: The Freedonia Group

Table 7 | Countries in Eastern Europe

Albania	Hungary	Romania
Belarus	Latvia	Russia*
Bosnia and Herzegovina	Lithuania	Serbia
Bulgaria	Macedonia	Slovakia
Croatia	Moldova	Slovenia
Czech Republic	Montenegro	Ukraine
Estonia	Poland	

*Major material handling equipment market.

Source: The Freedonia Group

Sources

Material Handling Equipment: Europe (FE75039) 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 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 8 | HS Codes Related to Material Handling Equipment

HS Code	Definition
8425	Pulley tackle and hoists other than skip hoists; winches and capstans; jacks
8426.11	Overhead travelling cranes on fixed support
8426.12	Mobile lifting frames on tires and straddle carriers
8426.19	Other travelling cranes, transporter cranes, gantry cranes, bridge cranes, mobile lifting frames and straddle carriers
8426.30	Portal or pedestal jib cranes
8426.41	Other self-propelled cranes and lifting frames, on tires
8426.49	Other self-propelled cranes and lifting frames, not on tires
8426.99	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

Table 9 | NACE Codes Related to Material Handling Equipment

NACE Code	Definition
28.22	Manufacture of lifting and handling equipment

Source: European Commission

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

Global Material Handling Equipment

Freedonia Industry Studies

Global Agricultural Equipment

Global Construction Aggregates

Global Construction Machinery

Global E-Commerce

Global Forestry Equipment

Global Machine Tools

Global Mining Equipment

Global Off-Road Equipment Technology 2022

Global Packaging Machinery

Global Power Tools

Hand Tools

Power Tools

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Construction Machinery: Europe

Construction: United States

COVID-19 Market Impact Analysis

E-Commerce: United States

Freight Services: United States

Hoses & Belts: United States

Housing: Europe

Manufacturing: United States

Mining & Quarrying: United States

Mining Equipment: Europe

Packaging Machinery: Europe

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

ASTM International
British Industrial Truck Association
Conveyor Equipment Manufacturers Association
European Committee for Standardization (CEN)
Eurostat
Federation of Mechanical Industries
Industrial Truck Association
International Monetary Fund
The Mechanical Engineering Industry Association (VDMA – Germany)
Organisation for Economic Co-operation and Development
Robotics Industries Association
Statistisches Bundesamt (Germany)
United Nations Comtrade
World Bank