Freedonia Focus Reports
Global Collection

Windows & Doors:
China

November 2021

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About This Report

Scope

This report forecasts to 2025 window and door (门窗) demand and production in nominal US dollars at the manufacturer level (i.e., excluding the value of features and services added between the manufacturer and end user, including door hanging and finishing operations not offered by the door slab manufacturer) in China. Total demand is segmented by product in terms of:

- metal windows
- wood windows
- vinyl windows
- fiberglass windows
- metal doors
- wood doors
- vinyl doors
- fiberglass doors

Total demand is also segmented by market as follows:

- nonresidential buildings
- residential buildings

To illustrate historical trends, total demand is provided in annual series from 2010 to 2020; production and the various segments are reported at five-year intervals for 2010, 2015, and 2020.

For the purposes of this report, the value of installed glazing is included in the demand numbers for all window products. Windows with multiple openings (e.g., bay and bow types) that are sold as one unit are considered to be one window.

For doors, the value of installed glazing, sidelites, and/or transoms is included if these features are sold by the manufacturer as part of the framed system.

To avoid double counting, parts and components sold to, or imported by, manufacturers for assembly into new windows and doors are excluded from the scope of this report.

Also excluded are:

- windows and doors for automobiles or other transportation equipment
- windowed cabinets
- fencing gates

- shower doors and bathroom stall doors
- elevator doors
- pet doors
- moulding and trim

Separately sold replacement hardware not typically sold as part of the window or door unit (e.g., door knobs, locks, door stops, and garage door openers) are outside the scope of this report. However, the value of these products is included when they are sold as part of an integrated new window or door unit.

For any given historical year, US dollar amounts are obtained from values expressed in 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 2020.

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

Windows & Doors: China (FC60041) is based on *Global Windows & Doors,* 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 6 | HS Codes Related to Windows & Doors	
HS Code	**Definition**
3925.20	Plastic doors, windows, and their frames and thresholds for doors
4418.10	Wood windows, French windows, and their frames
4418.20	Wood doors, French doors, and their frames
7308.30	Steel doors, windows and their frames and thresholds for doors
7610.10	Aluminum doors, windows and their frames and thresholds for doors

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.

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 Windows & Doors

Freedonia Industry Studies

Bricks, Blocks, & Pavers

Building Envelope in North America

Ceilings

Global Ceilings

Global Drywall & Building Plaster

Global Flat Glass

Global Housing

Global Insulation

Global Prefabricated Housing

Global Siding (Cladding)

Gutters & Downspouts

Insulation

Lumber

Moulding & Trim

Prefabricated Housing

Siding

Window & Door Components

Freedonia Focus Reports

Commercial Building Construction: United States

Construction Machinery: China

Construction: United States

Countertops: China

COVID-19 Market Impact Analysis

Fabricated Metal Products: United States

Fiber-Reinforced Plastic Composites: United States

Flooring: China

Global Demographics

Global Macroeconomy

Housing: China

Paint & Coatings: China

Window Coverings: United States

Wood Millwork: United States

Freedonia Custom Research

Trade Publications

AsiaGreenBuildings.com
Door and Window Market Magazine
Glass Magazine
The Journal of Light Construction
Metal Architecture
Metal Construction News
Plastics News
Professional Remodeler
Window & Door

Agencies & Associations

Asia-Pacific Economic Cooperation
China Construction Metal Structure Association
China Nonferrous Metals Industry Association
China Plastic Processing Industry Association
China Windows and Doors Manufacturers Association
International Code Council
International Monetary Fund
International Organization for Standardization
Organisation for Economic Co-operation and Development
United Nations Comtrade
Window and Door Manufacturers Association
World Bank