



Freedonia Focus Reports
US Collection

Pallets: United States

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About This Report

Scope

This report forecasts to 2024 US pallet demand and production in units. Total demand is segmented by material in terms of:

- wood
- corrugated and molded pulp
- plastic
- metal

Total demand is also segmented by market as follows:

- food and beverage manufacturing
- other manufacturing such as chemicals and transportation equipment
- warehousing
- construction and other markets such as use in-store by retailers and military transportation and storage

To illustrate historical trends, total demand is provided in annual series from 2009 to 2019; production and the various segments are reported at five-year intervals for 2009, 2014, and 2019.

Pallets are flat portable platforms used for handling, storing, or moving materials and packages either inside warehouses or factories or between locations.

Pallets are constructed primarily from wood but can also be made from other materials such as plastic, corrugated board, metal, or molded fiber. Pallets fabricated from more than one type of material are classified depending on the type of material accounting for the greatest portion of their composition.

Wood pallets are available in three types:

- new
- refurbished (reconditioned)
- remanufactured (rebuilt)

Pallet demand in this report is also segmented by market. In analyzing demand by market, the party who places goods on the pallet is considered to be the user of the pallet:

- For example, when a manufacturer of breakfast cereal purchases a pallet to ship boxes of the cereal, this is considered to be demand by a manufacturer in the food and beverage market.

About This Report

- When a pallet management firm purchases a pallet, stores it, and then leases it to a manufacturer, this is considered to be demand by a warehousing services provider.

The term “stock” refers to all pallets held by users, including those not actively in use.

Export and import figures include only pallets traded as a good unto themselves. Pallets crossing international borders as containers for other products are excluded from trade figures.

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

Pallets: United States (FF30038) is based on *Global Pallets*, 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 | NAICS & SIC Codes Related to Pallets

NAICS/SCIAN 2017 North American Industry Classification System		SIC Standard Industrial Classification	
321920	Wood container and pallet manufacturing	2448	Wood pallets and skids

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, 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 Pallets

Freedonia Industry Studies

Corrugated & Paperboard Boxes

Global Bulk Packaging

Global Corrugated Boxes

Global E-Commerce

Global E-Commerce Packaging

Global Material Handling Equipment

Global Packaging Machinery

Global Pharmaceutical Packaging

Global Protective Packaging

Molded Pulp Packaging

Protective Packaging

Retail-Ready Packaging

Rigid Bulk Packaging

Shrink & Stretch Film

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E-Commerce: United States

Freight Services: United States

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Manufacturing: United States

Packaging: United States

Processed Food: United States

Recovered Packaging: United States

Rigid Intermediate Bulk Containers: United States

Thermoplastic Resins: United States

Transport Equipment: United States

Warehousing & Storage Services: United States

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Trade Publications

Inbound Logistics

Modern Materials Handling

Pallet Enterprise

PlasticsToday

Agencies & Associations

APA – The Engineered Wood Association

Grocery Manufacturers Association

International Organization for Standardization

National Fire Protection Association

National Wooden Pallet & Container Association

Reusable Packaging Association

United States Census Bureau

United States International Trade Commission