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# Corrugated & Paperboard Boxes: United States

January 2019



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# About This Report

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## Scope

This report forecasts to 2022 US corrugated and paperboard box demand in nominal US dollars at the manufacturing level. Total demand is segmented by product in terms of:

- corrugated and solid fiber boxes
- folding paperboard boxes (also referred to as folding cartons)
- set-up (rigid) paperboard boxes

Total demand is also segmented by market as follows:

- food and beverages
- nonfood nondurable goods
- durable goods
- nonmanufacturing

To illustrate historical trends, total demand is provided in annual series from 2007 to 2017; the various segments are reported at five-year intervals for 2007, 2012, and 2017.

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

*Corrugated & Paperboard Boxes: United States* (FF30013) is based on [Corrugated and Paperboard Boxes](#), 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 5 | NAICS & SIC Codes Related to Corrugated & Paperboard Boxes

NAICS North American Industry Classification System		SIC Standard Industrial Classification	
322130	Paperboard Mills	2631	Paperboard Mills
322211	Corrugated and Solid Fiber Box Manufacturing	2652	Setup Paperboard Boxes
322212	Folding Paperboard Box Manufacturing	2653	Corrugated and Solid Fiber Boxes
322213	Setup Paperboard Box Manufacturing	2657	Folding Paperboard Boxes, Including Sanitary

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)

## About This Report

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

*Corrugated & Paperboard Boxes*

### Freedonia Industry Studies

*Food Containers in the US*

*Foodservice Single-Use Products in the US*

*Global Bulk Packaging*

*Global Pharmaceutical Packaging*

*Meat Packaging Market in the US*

*Pharmaceutical Packaging Market in the US*

*Pouches in the US*

*Poultry Packaging Market in the US*

*Produce Packaging Market in the US*

*Protective Packaging in the US*

### Freedonia Focus Reports

*Commercial Printing: United States*

*Paper & Paperboard: United States*

*Recovered Packaging: United States*

*Recovered Paper: United States*

### Freedonia Custom Research

### Packaged Facts

*Food Gifting in the U.S.: Consumer and Corporate*

*Meal Kits: Trends and Opportunities in the U.S.*

*Online Grocery Shopping in the U.S.*

*U.S. Grocery Market Focus: The Amazon Food Shopper*

### Trade Publications

*Beverage Industry*

*Packaging Digest*

*Packaging World*

*Paper 360°*

*PaperAge*

*Paperboard Packaging*

*Pharmaceutical & Medical Packaging News*

*Pulp & Paper International*

*Recycling Today*

**Agencies & Associations**

American Forest & Paper Association  
Association of Independent Corrugated Converters  
Fibre Box Association  
International Corrugated Case Association  
Paperboard Packaging Council  
United States Census Bureau  
United States International Trade Commission