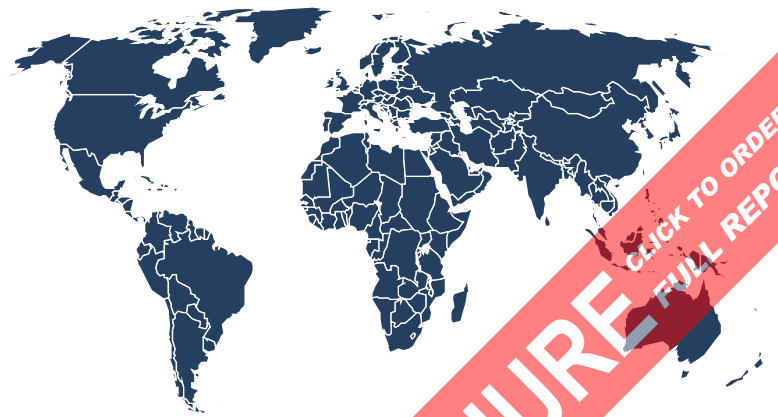


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Global Corrugated Boxes

February 2020



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About This Report

Scope

This report forecasts to 2023 global demand for corrugated boxes by market and major world region in square meters. Reported markets encompass:

- food and beverage
- nonfood nondurable goods
- e-commerce
- other markets such as durable goods and consumer purchases

Major world regions include North America, Western Europe, Asia/Pacific, and all other regions.

To illustrate historical trends, world, market, and regional demand (including market segments) are provided for 2008, 2013, and 2018. Finally, global production is segmented by major world region and provided for 2008, 2013, 2018, and 2023.

Excluded from the scope of this report are:

- other paper packaging, including set-up boxes, mailers, paperboard folding cartons, protective packaging such as corrugated edge protectors and paper fill, and paper bags
- other disposable paper products, such as tissues, toilet paper, and paper foodservice products such as cartons, clamshells, boxes, buckets, cups, and straws
- corrugated board used to make products other than boxes, such as edge protectors and box partitions

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

Global Corrugated Boxes (FW30013) is based on [Global Corrugated 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 organizations
- trade associations and their publications

About This Report

- 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 9 | NAICS & SIC Codes Related to Corrugated Boxes

NAICS/SCIAN 2017 North American Industry Classification System		SIC Standard Industrial Classification	
322130	Paperboard mills	2631	Paperboard mills
322211	Corrugated and solid fiber box manufacturing	2653	Corrugated and solid fiber boxes

Source: US Census Bureau

Table 10 | HS Codes Related to Corrugated Boxes

HS Code	Definition
4819.10	Paper and paperboard; cartons, boxes and cases, of corrugated paper or paperboard

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,

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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 Corrugated Boxes

Freedonia Industry Studies

Adhesives & Sealants in the US

Corrugated & Paperboard Boxes

Food & Beverage Packaging Innovation

Global Adhesives & Sealants

Global Bulk Packaging

Global E-Commerce

Global E-Commerce Packaging

Global Pharmaceutical Packaging

Global Pressure Sensitive Tapes

Global Protective Packaging

Produce Packaging Market in the US

Protective Packaging Market in the US

Retail-Ready Packaging

Rigid Bulk Packaging

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Municipal Solid Waste: United States

Packaging Machinery: United States

Recovered Packaging: United States

Recovered Paper: United States

Freedonia Custom Research

Trade Publications

Corrugated Today

Packaging Digest

Packaging Strategies

Packaging World

Agencies & Associations

American Forest and Paper Association

Bureau of International Recycling

European Federation of Corrugated Board Manufacturers

Fibre Box Association

Food & Agriculture Organization of the United Nations

Global Recycling Foundation

About This Report

The Independent Packaging Association
International Corrugated Case Association
Natural Resources Canada
National Waste & Recycling Association
United States Census Bureau
United States Environmental Protection Agency
United States International Trade Commission