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US Collection

# Medical Device Packaging: United States

December 2019



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# About This Report

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## Scope

This report forecasts to 2023 US medical device packaging demand in nominal US dollars at the manufacturer level. Total demand is segmented by product in terms of:

- trays
- reagent, solution, and media bottles
- clamshell packs
- pouches
- other containers such as boxes, vials, and bags
- packaging accessories such as labels, lidding, and security components

Total demand is also segmented by application as follows:

- diagnostic substances
- surgical and medical instruments
- surgical appliances and supplies
- other applications such as electromedical and irradiation equipment, dental equipment and supplies, and ophthalmic goods

To illustrate historical trends, total demand is provided in annual series from 2008 to 2018; the various segments are reported at five-year intervals for 2008, 2013, and 2018.

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

*Medical Device Packaging: United States* (FF30046) is based on [Medical Device Packaging](#), 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

## About This Report

- 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 Medical Device Packaging

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
322211	Corrugated and solid fiber box manufacturing	2652	Setup paperboard boxes
322212	Folding paperboard box manufacturing	2653	Corrugated and solid fiber boxes
326111	Plastics bag and pouch manufacturing	2657	Folding paperboard boxes
326112	Plastics packaging film and sheet (including laminated) manufacturing	2671	Paper; coated and laminated packaging
326160	Plastics bottle manufacturing	2673	Bags; plastic, laminated, and coated
327213	Glass container manufacturing	2674	Uncoated paper and multiwall bags
		2679	Converted paper products, NEC
		3085	Plastics bottles
		3221	Glass containers

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,

## About This Report

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

*Medical Device Packaging*

### Freedonia Industry Studies

*Caps & Closures*

*Converted Flexible Packaging*

*Disposable Medical Supplies in the US*

*Global Bulk Packaging*

*Global Caps & Closures Market*

*Global Disposable Medical Supplies*

*Global Nonwovens*

*Global Pharmaceutical Packaging*

*Global Plastic Caps & Closures Market*

*Global Protective Packaging*

*Global Thermoplastic Elastomers*

*Nonwovens Market in the US*

*Pharmaceutical Packaging Market in the US*

*Pouches in the US*

*Protective Packaging Market in the US*

*Rigid Bulk Packaging*

### Freedonia Focus Reports

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*Global Medical Apparel & Textiles*

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*Healthcare: United States*

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*Medical Services: United States*

*Polypropylene: United States*

*Thermoplastic Resins: United States*

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### Trade Publications

*Flexible Packaging*

*Healthcare Packaging*

*Medical Device and Diagnostic Industry*

*Packaging Digest*

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*Packaging Strategies*

*Packaging World*

*Plastics News*

*Plastics Technology*

*PlasticsToday*

### **Agencies & Associations**

Aluminum Association

American Chemistry Council's Plastics Division

American Forest and Paper Association

Flexible Packaging Association

Occupational Safety and Health Administration

United States Census Bureau

United States Department of Health and Human Services

United States Food and Drug Administration

United States International Trade Commission