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Plastics Processing Machinery: United States

January 2018



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About This Report

Scope & Method

This report forecasts to 2021 US plastics processing machinery demand and shipments in nominal US dollars at the manufacturer level. Total demand is segmented by product in terms of:

- injection molding machinery
- 3D plastics printers
- blow molding machinery
- extrusion machinery
- other machinery such as thermoforming, calendering, and transfer molding machinery
- aftermarket parts

Total demand is also segmented by market as follows:

- packaging
- consumer/institutional
- motor vehicles
- other markets such as construction, aerospace, and machinery

To illustrate historical trends, total demand is provided in annual series from 2006 to 2016; shipments and the various segments are reported at five-year intervals for 2006, 2011, and 2016.

Excluded from the scope of this report are auxiliary equipment (such as blenders, dryers, feeders, and winders) and secondary machinery used to improve the appearance or usefulness of the final product (like coating, cutting, machining, polishing, and printing equipment), except in situations in which machinery is used in both primary and secondary plastics processing. Plastics processing equipment that forms an integral part of a form/fill/seal packaging machine and molds are also excluded. Machines that process rubber, silicones, and other non-thermoplastic polymers are also excluded.

This report 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

About This Report

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.

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

Plastics Processing Machinery: United States (FF75024) is based on *Global Plastics Processing Machinery*, 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 including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international 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 | Industry Codes Related to Plastics Processing Machinery

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
333220	Plastics and Rubber Industry Machinery Mfg	3559	Special Industry Machinery, NEC

Source: US Census Bureau

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Resources

The Freedonia Group

Global Plastics Processing Machinery, January 2018

Freedonia Industry Studies

Global Pharmaceutical Packaging, January 2018

Siding Market in the US, January 2018

Foodservice Single-Use Products in the US, December 2017

Global Plastic Caps & Closures Market, December 2017

Global Windows & Doors, December 2017

Global Plumbing Fittings & Fixtures Market, November 2017

Protective Packaging Market in the US, November 2017

Global 3D Printing Markets, October 2017

Global Caps & Closures Market, September 2017

Stretch & Shrink Film Market in the US, September 2017

Global Carpets & Rugs Market, August 2017

Packaging Films Market in the US, July 2017

Pharmaceutical Packaging Market in the US, June 2017

Global Protective Packaging Market, May 2017

Barrier Films Market in the US, April 2017

Poultry Packaging Market in the US, March 2017

Global Flame Retardants Market, February 2017

Meat Packaging Market in the US, February 2017

Fiber-Reinforced Plastic Composites Market in the US, January 2017

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Polyethylene: United States

Polypropylene: United States

Printing Machinery & Equipment: United States

Stretch & Shrink Film: United States

3D Printers & Supplies: United States

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IHS Chemical Week
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Plastics Technology
Plastics Today
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Agencies & Associations

American Chemistry Council
American National Standards Institute
Occupational Safety and Health Administration
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