



Freedonia Focus Reports
US Collection

3D Printers & Supplies: United States

October 2017



BROCHURE
CLICK TO ORDER
FULL REPORT

www.freedoniafocusreports.com

Table of Contents

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	5
Legal & Regulatory Trends	6
NAFTA Outlook	7
3. Segmentation & Forecasts	9
Products	9
3D Printers	10
Materials	12
Software & Other Products	13
Markets	15
Transportation Equipment	16
Medical & Dental	17
Consumer & Education	17
Other Markets	18
4. Industry Structure	20
Industry Characteristics	20
Market Leaders	21
General Electric Company	22
Stratasys	22
3D Systems Corporation	23
5. About This Report	24
Scope & Method	24
Sources	25
Industry Codes	25
Resources	26

List of Tables & Figures

Figure 1 Key Trends in US 3D Printer & Supply Market, 2016-2021	3
Figure 2 US 3D Printer & Supply Demand Trends, 2006-2016	4
Table 1 Key Indicators for US 3D Printer & Supply Demand; 2006, 2011, 2016, 2021 (US\$ bil)	5
Figure 3 NAFTA 3D Printer & Supply Demand by Country, 2016 (US\$ bil)	7
Figure 4 US 3D Printer & Supply Demand by Product; 2006, 2011, 2016, 2021 (US\$ mil)	9
Table 2 US 3D Printer & Supply Demand by Product; 2006, 2011, 2016, 2021 (US\$ mil)	9
Figure 5 US 3D Printer & Supply Demand by Product; 2006, 2011, 2016, 2021 (%)	14
Figure 6 US 3D Printer & Supply Demand by Market; 2006, 2011, 2016, 2021 (US\$ mil)	15
Table 3 US 3D Printer & Supply Demand by Market; 2006, 2011, 2016, 2021 (US\$ mil)	15
Figure 7 US 3D Printer & Supply Demand by Market; 2006, 2011, 2016, 2021 (%)	19
Table 4 Select Suppliers to the US 3D Printer & Supply Market by Principal Product Lines	21
Table 5 Industry Codes Related to 3D Printers & Supplies	25

About This Report

Scope & Method

This report forecasts US 3D printer and supply demand in nominal US dollars at the manufacturers' level to 2021. Total demand is segmented by product in terms of:

- 3D printers
- materials
- software and other products such as scanners.

Excluded from the scope of this report are 3D products that are manufactured using 3D printing. Also excluded are consumer 3D printing services (such as those that allow individual customers to upload their 3D designs online and then have their 3D printed items shipped to them).

Total demand is also segmented by market as follows:

- transportation equipment
- medical and dental
- consumer and education
- other markets such as molds and tooling, construction, and oil and gas.

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

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 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

3D Printers & Supplies: United States (FF75043) is based on [Global 3D Printing Markets](#), 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 5 | Industry Codes Related to 3D Printers & Supplies

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
333220	Plastics and Rubber Industry Machinery Mfg	3555	Printing Trades Machinery and Equipment
333293	Printing Machinery and Equipment Mfg	3559	Special Industry Machinery, NEC

Source: US Census Bureau

Copyright & Licensing

The full report is protected by copyright laws of the United States of America and international treaties. The entire contents of the publication are copyrighted by The Freedonia Group.

Resources

The Freedonia Group

Global 3D Printing Markets, October 2017

Freedonia Industry Studies

Global Food Processing Machinery, September 2017

Global Construction Machinery, August 2017

Global Silicones Market, June 2017

Global Bus Market, May 2017

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

Global Diesel Engines Market, January 2017

Medical Implants in the US, November 2016

Precast Concrete Products, October 2016

World Motorcycles, October 2016

High Performance Composites, August 2016

World Medical Disposables, August 2016

Silicones, March 2016

Dental Products & Materials, January 2016

World Machine Tools, January 2016

Freedonia Focus Reports

Cardiac Implants: United States

Construction: United States

Dental Products & Materials: United States

Education: United States

Medical Equipment & Supplies: United States

Medical Implants: United States

Motor Vehicles: United States

Orthopedic Implants: United States

Printing Machinery & Equipment: United States

Freedonia Custom Research

Trade Publications

Automotive News

Investing News Network

Machine Design

Plastics News

3D Printing Industry

3DPrint.com

3ders.org

Agencies & Associations

America Makes

American National Standards Institute

Oak Ridge National Laboratory

Underwriters Laboratory

United States Census Bureau

United States Food and Drug Administration

United States International Trade Commission

Women in 3D Printing