

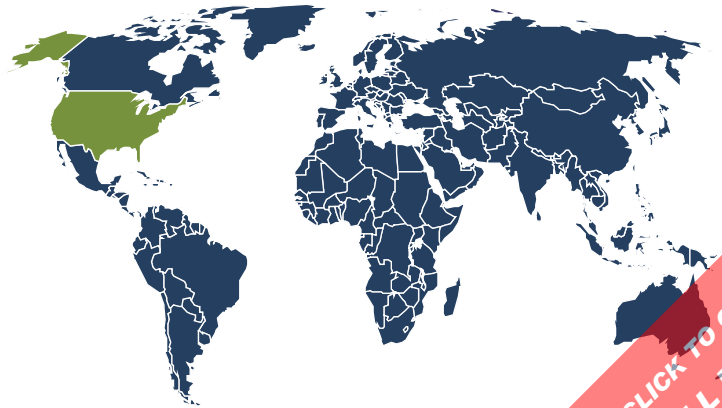
Freedonia Focus Reports  
US Collection



# Fabricated

# Metal Products: United States

March 2017



## Highlights

### Market Environment

Historical Trends | Key Economic Indicators | Trade | Technology  
Environmental and Regulatory Factors | Competing Methods and Materials

### Segmentation and Forecasts Products

### Industry Structure

Industry Composition and Characteristics | Companies Cited

### Resources



## ABOUT THIS REPORT

### Scope & Method

This report forecasts US fabricated metal product demand and shipments in US dollars at the manufacturers' level to 2021. Total demand is segmented by product in terms of:

- structural metals
- forging and stamping
- machine shops
- metal containers
- coating and treating
- fasteners and hardware
- cutlery and handtools
- springs and wires
- other products such as ammunition, bearings, and industrial valves.

Products classified as primary metals (such as iron and steel mill, refined nonferrous metal, and metal foundry products) are excluded from the scope of this report. Re-exports of fabricated metal products are excluded from demand and trade figures.

To illustrate historical trends, total demand, total shipments, the various demand segments, and trade are provided in annual series from 2006 to 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

*Fabricated Metal Products: United States* (FF70027) represents 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

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007 North American Industry Classification System		SIC Standard Industry Codes	
3321	Forging and Stamping	341	Metal Cans and Shipping Containers
3322	Cutlery and Handtool Mfg	342	Cutlery, Handtools, and General Hardware
3323	Architectural and Structural Metals Mfg	343	Heating Equipment, Except Electric and Warm Air Furnaces
3324	Boiler, Tank, and Shipping Container Mfg	344	Fabricated Structural Metal Products
3325	Hardware Manufacturing	345	Screw Machine Products, and Bolts, Nuts, Screws, Rivets, and Washers
3326	Spring and Wire Product Mfg	346	Metal Forgings and Stampings
3327	Machine Shops; Turned Product; and Screw, Nut, and Bolt Mfg	347	Coating, Engraving, and Allied Services
3328	Coating, Engraving, Heat Treating, and Allied Activities	348	Ordnance and Accessories, Except Vehicles and Guided Missiles
3329	Other Fabricated Metal Product Mfg	349	Miscellaneous Fabricated Metal Products
336370	Motor Vehicle Metal Stamping		

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 PDF bookmarks are also available for navigation.

## RESOURCES

### The Freedonia Group

[www.freedoniagroup.com](http://www.freedoniagroup.com)

#### Related Industry Studies

*3460 Rigid Bulk Packaging*, September 2016  
*3442 World Bearings*, August 2016  
*3439 Hand Tools*, July 2016  
*3413 Industrial Fasteners*, May 2016  
*3369 World Industrial Valves*, January 2016  
*3294 World Windows & Doors*, July 2015

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#### Related Focus Reports

*Bearings: United States*  
*Construction: United States*  
*Hand Tools: United States*  
*Hardware: United States*  
*Manufacturing: United States*  
*Metal Stampings: United States*  
*Sheet Metal: United States*  
*Steel Mill Products: United States*

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#### Freedonia Custom Research

### Trade Publications

*American Metal Market*  
*Fabricating & Metalworking*  
*The Fabricator*  
*Forging*  
*IndustryWeek*  
*Modern Metals*

[www.amm.com](http://www.amm.com)  
[www.fabricatingandmetalworking.com](http://www.fabricatingandmetalworking.com)  
[www.thefabricator.com](http://www.thefabricator.com)  
[www.forgingmagazine.com](http://www.forgingmagazine.com)  
[www.industryweek.com](http://www.industryweek.com)  
[www.modernmetals.com](http://www.modernmetals.com)

### Agencies & Associations

American Iron and Steel Institute  
 Fabricators & Manufacturers Association, International  
 Metal Construction Association  
 Precision Metalforming Association  
 United States Department of Commerce  
   Bureau of Economic Analysis  
   United States Census Bureau  
 United States International Trade Commission

[www.steel.org](http://www.steel.org)  
[www.fmanet.org](http://www.fmanet.org)  
[www.metalconstruction.org](http://www.metalconstruction.org)  
[www.pma.org](http://www.pma.org)  
[www.commerce.gov](http://www.commerce.gov)  
[www.bea.gov](http://www.bea.gov)  
[www.census.gov](http://www.census.gov)  
[www.usitc.gov](http://www.usitc.gov)

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