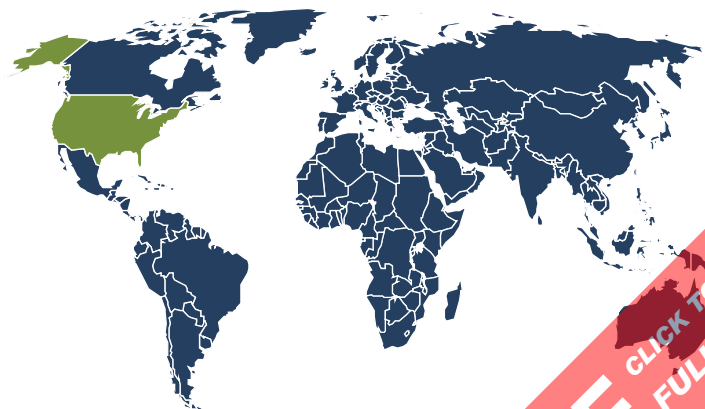




Freedonia Focus Reports
US Collection

Sheet Metal: United States

August 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Trade
Environmental and Regulatory Factors

Segmentation and Forecasts

Products | Markets

Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts US sheet metal demand and shipments in US dollars at the manufacturers' level to 2020. Total demand is segmented by product in terms of:

- hot-rolled steel
- cold-rolled steel
- aluminum
- copper
- other products such as nickel, titanium, and zinc.

Re-exports of sheet metal are excluded from demand figures.

Total demand is also segmented by market as follows:

- transportation equipment
- building products
- machinery
- appliances, electrical equipment, and electronics
- other markets such as packaging, storage products, and furniture.

To illustrate historical trends, total demand, total shipments, and the various segments are provided in annual series from 2005 to 2015.

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

Sheet Metal: United States (FF70016) 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	
331111	Iron and Steel Mills	3312	Steel Works, Blast Furnaces (Including Coke Ovens), and Rolling Mills
331221	Rolled Steel Shape Manufacturing		
331315	Aluminum Sheet, Plate, and Foil Manufacturing	3316	Cold-Rolled Steel Sheet, Strip, and Bars
331421	Copper Rolling, Drawing, and Extruding	3351	Rolling, Drawing, and Extruding of Copper
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	3353	Aluminum Sheet, Plate, and Foil
		3356	Rolling, Drawing, and Extruding of Nonferrous Metals, Except Copper and Aluminum
332322	Sheet Metal Work Manufacturing	3444	Sheet Metal Work
332323	Ornamental and Architectural Metal Work Manufacturing	3446	Architectural and Ornamental Metal Work

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3153 Lightweight Automotive Materials in North America, June 2014

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Steel Mill Products: United States

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Trade Publications

American Metal Market

www.amm.com

Automotive News

www.autonews.com

Metal Bulletin

www.metalbulletin.com

Metal Center News

www.metalcenternews.com

Steel Times International

www.steeltimesint.com

Agencies & Associations

The Aluminum Association

www.aluminum.org

American Chemistry Council

www.americanchemistry.org

American Iron and Steel Institute

www.steel.org

Association for Iron and Steel Technology

www.aist.org

Bureau of Labor Statistics

www.bls.gov

Copper Development Association

www.copper.org

International Aluminum Institute

www.world-aluminum.org

Nickel Institute

www.nickelinstitute.org

United States Census Bureau

www.census.gov

United States Department of Transportation

www.dot.gov

National Highway Traffic Safety Administration

www.nhtsa.gov

United States Environmental Protection Agency

www.epa.gov

United States Geological Survey

www.usgs.gov

United States Green Building Council

www.usgbc.org

United States International Trade Commission

www.usitc.gov

World Steel Association

www.worldsteel.org

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