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US Collection

Sheet Metal: United States

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About This Report

Scope

This report forecasts to 2023 US sheet metal demand and shipments in nominal US dollars at the manufacturer level. Total demand is segmented by material in terms of:

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

Total demand is also segmented by market as follows:

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

To illustrate historical trends, total demand, total shipments, the various segments, and trade are provided in annual series from 2008 to 2018.

Metal bars, billets, tubes, and wire, as well as hot-rolled and cold-rolled steel plate are excluded from the scope of this report (though plate from all other metals is included). Trade and demand data does not include added value due to the Section 232 steel and aluminum tariffs. Re-exports of sheet metal are excluded from demand and trade figures.

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 secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- trade associations and their publications
- the business and trade press

About This Report

- 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 7 | NAICS & SIC Codes Related to Sheet Metal

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
331111	Iron and Steel Mills	3312	Steel Works, Blast Furnaces (including Coke Ovens), and Rolling Mills
331221	Rolled Steel Shape Mfg	3316	Cold-Rolled Steel Sheet, Strip, and Bars
331315	Aluminum Sheet, Plate, and Foil Mfg	3351	Rolling, Drawing, and Extruding of Copper
331421	Copper Rolling, Drawing, and Extruding	3353	Aluminum Sheet, Plate, and Foil
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	3356	Rolling, Drawing, and Extruding of Nonferrous Metals, Except Copper and Aluminum
332322	Sheet Metal Work Mfg	3444	Sheet Metal Work
332323	Ornamental and Architectural Metal Work Mfg	3446	Architectural and Ornamental Metal Work

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,

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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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Metal Stampings: United States

Mining & Quarrying: United States

Motor Vehicles: United States

Recovered Metals: United States

Steel Mill Products: United States

Tin: United States

Titanium: United States

Zinc: United States

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Metal Bulletin

Metal Center News

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American Chemistry Council

American Iron and Steel Institute

Association for Iron & Steel Technology

Bureau of Labor Statistics

Copper Development Association Incorporated

International Aluminum Institute

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National Highway Traffic Safety Administration
United States Environmental Protection Agency
United States Geological Survey
United States Green Building Council
United States International Trade Commission
World Steel Association