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US Collection

Steel Mill Products: United States

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About This Report

Scope

This report forecasts for 2020 and 2024 US steel mill products demand and shipments in metric tons and nominal US dollars at the manufacturer level. Total demand in metric tons is segmented by product in terms of:

- hot-rolled sheet
- hot-dip galvanized sheet and strip
- bars
- cold-rolled sheet
- pipe and tubing
- plates
- heavy structural shapes
- other products such as rails, tin mill products, and wire rods

Total demand in metric tons is also segmented by market as follows:

- metal service centers and distributors
- construction
- motor vehicles
- other markets such as appliances, packaging, and energy

To illustrate historical trends, total demand, total shipments, trade in metric tons and nominal dollars, and the various demand segments in metric tons are provided in annual series from 2009 to 2019.

This report encompasses demand and shipments of steel mill products, as opposed to crude steel. To avoid double counting among the various segments, reported volumes of hot-rolled sheet exclude those quantities further processed via cold-rolling and/or hot-dip galvanizing. Likewise, volumes of cold-rolled sheet do not include galvanized types or tin mill products (as they are included in other segments). Finally, reported volumes of sheet and plate exclude those quantities used to fabricate pipe and tubing. Re-exports of steel mill products are excluded from demand and trade figures.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Steel Mill Products: United States (FF65013) 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
- intergovernmental 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 8 | NAICS & SIC Codes Related to Steel Mill Products

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
331110	Iron and Steel Mills and Ferroalloy Manufacturing	3312	Steel Works, Blast Furnaces (Including Coke Ovens), and Rolling Mills
331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel	3313	Electrometallurgical Products, Except Steel
331221	Rolled Steel Shape Manufacturing	3315	Steel Wiredrawing and Steel Nails and Spikes
331222	Steel Wire Drawing	3316	Cold-Rolled Steel Sheet, Strip, and Bars
		3317	Steel Pipe and Tubes

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.

About This Report

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, 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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Pipe: Products & Markets

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Cobalt: United States

Construction: United States

Commercial Building Construction: United States

Copper Pipe: United States

Fabricated Metal Products: United States

Industrial Castings: United States

Industrial Silica Sand: United States

Manufacturing: United States

Metal Stampings: United States

Refractories: United States

Sheet Metal: United States

Titanium: United States

Zinc: United States

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Metal Bulletin

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Steel Times International

Agencies & Associations

American Institute for International Steel

American Iron and Steel Institute

Association for Iron & Steel Technology

About This Report

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National Highway Traffic Safety Administration
North American Steel Alliance
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United States Department of Commerce
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 United States Census Bureau
United States Geological Survey
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World Steel Association