



Freedonia Focus Reports
US Collection

Tin: United States

February 2018



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About This Report

Scope & Method

This report forecasts to 2022 US refined tin demand and secondary production in metric tons of tin content. Total demand is segmented by application in terms of:

- tinfoil
- chemicals
- solder
- tin metal and other alloys
- bronze and brass
- other applications such as tin powder, jeweler's metal, and anodes

To illustrate historical trends, total demand, total secondary production, the various demand segments, and trade are provided in annual series from 2007 to 2017.

Re-exports of tin are excluded from demand and trade figures.

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

Tin: United States (FF65047) 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

About This Report

- 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 9 | Industry Codes Related to Tin

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
212299	All Other Metal Ore Mining	1099	Miscellaneous Metal Ores, NEC
325188	All Other Basic Inorganic Chemical Manufacturing	2819	Industrial Inorganic Chemicals, NEC
331419	Primary Smelting and Refining of Nonferrous Metal (except Copper and Aluminum)	3339	Primary Smelting and Refining of Nonferrous Metals, except Copper and Aluminum
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying	3341	Secondary Smelting and Refining of Nonferrous Metals
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)	3356	Rolling, Drawing, and Extruding of Nonferrous Metals, except Copper and Aluminum
332431	Metal Can Manufacturing	3399	Primary Metal Products, NEC
		3411	Metal Cans

Source: US Census Bureau

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Resources

The Freedonia Group

Freedonia Industry Studies

Cosmetic & Toiletry Containers in the US, November 2016

Rigid Bulk Packaging, September 2016

World Bearings, August 2016

World Adhesives & Sealants, January 2016

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Adhesives & Sealants: United States

Aluminum: United States

Bearings: United States

Copper: United States

Fabrication Gold: United States

Fabricated Metal Products: United States

Lead: United States

Steel Mill Products: United States

Titanium: United States

World Bearings

Zinc: United States

Freedonia Custom Research

Trade Publications

American Metal Market

Metal Bulletin

Recycling Today

S&P Global Platts

Agencies & Associations

American Tin Trade Association

Institute of Scrap Recycling Industries

ITRI

London Metal Exchange

United States Department of Commerce

Bureau of Economic Analysis

United States Census Bureau

United States Geological Survey

United States International Trade Commission

World Bank