



Freedonia Focus Reports
US Collection

Cobalt: United States

April 2018



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About This Report

Scope & Method

This report forecasts to 2022 US cobalt demand in metric tons of cobalt content. Total demand is segmented by form in terms of:

- metal
- chemical compounds
- purchased scrap

Total demand is also segmented by application as follows:

- superalloys
- chemicals and ceramics
- cemented carbides
- other applications such as alloys, steels, and electronic components

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

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

Cobalt: United States (FF65034) 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

About This Report

- 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 5 | Industry Codes Related to Cobalt

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
212299	All Other Metal Ore Mining	1099	Miscellaneous Metal Ores, 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, and Extruding	3356	Rolling, Drawing, and Extruding of Nonferrous Metals, except Copper and Aluminum

Source: US Census Bureau

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Resources

The Freedonia Group

Freedonia Industry Studies

Paint & Coatings: US Market Forecasts, February 2017

Single-Use (Primary) Batteries in the US, November 2016

Rechargeable (Secondary) Batteries, September 2016

Freedonia Focus Reports

Civil Aircraft: United States

Mining & Quarrying: United States

Recovered Metals: United States

Freedonia Custom Research

Trade Publications

American Metal Market

Cobalt Investing News

Metal Bulletin

Mining.com

Platts

Agencies & Associations

Battery Council International

Cobalt Development Institute

United States Census Bureau

United States Department of Defense

Defense Logistics Agency

DLA Strategic Materials

United States Department of the Interior

Bureau of Land Management

United States Geological Survey

United States Department of Labor

Mine Safety and Health Administration

Occupational Safety and Health Administration

United States Environmental Protection Agency

United States International Trade Commission