

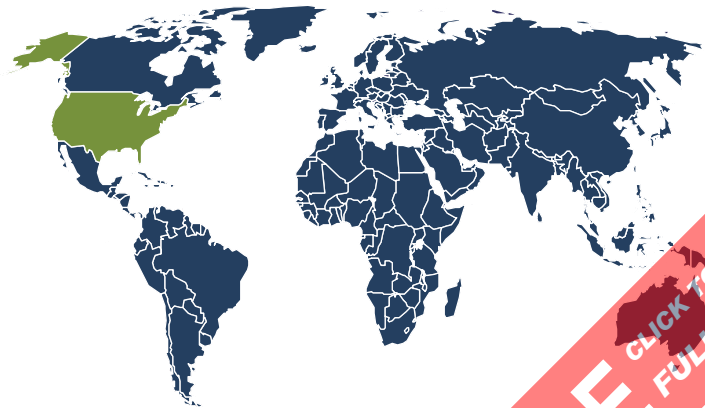


Freedonia Focus Reports
US Collection

Tungsten:

United States

July 2015



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Technology Trends
Functional Competition | Legal and Regulatory Factors | NAFTA Overview
Shipment Trends

Segmentation and Forecasts Applications

Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts US processed tungsten demand in metric tons to 2019. Total demand is segmented by application in terms of:

- cutting tools and inserts
- wear parts and other cemented carbide applications such as jewelry and protective coatings
- tool steels
- other tungsten alloy applications such as aircraft engines and radiation shielding
- lighting
- other tungsten mill product applications such as electrical contacts and electrodes
- catalysts
- tungsten chemicals and other applications such as lubricants and abrasives.

The terms tungsten and processed tungsten are used interchangeably in this report. Processed tungsten refers to the tungsten content of metals, chemicals, and compounds that will be utilized in finished tungsten-containing products. The end user of processed tungsten is defined as the manufacturer of a tungsten-containing product (eg, a cutting insert, radiation shield, or light bulb). Primary (ore and concentrate) and tungsten intermediates are not covered in the demand figures.

To illustrate historical trends, total demand is provided in an annual series from 2004 to 2014; the various segments are reported at five-year intervals for 2009 and 2014.

This report quantifies trends in various measures of growth. 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. 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 at five-year intervals with CAGRs for the years corresponding to other reported figures. 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

Tungsten: United States (FF65048) is based on [World Tungsten](#), a comprehensive industry study published by The Freedonia Group in July 2015. Reported findings represent 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 industry 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		SIC	
North American Industry Classification System		Standard Industry Codes	
212299	All Other Metal Ore Mining	1099	Miscellaneous Metal Ores, NEC
325188	All Other Basic Inorganic Chemical Mfg	2869	Industrial Organic Chemicals, NEC
331491	Nonferrous Metal (Except Copper and Aluminum) Rolling, Drawing, and Extruding	3356	Rolling, Drawing, and Extruding of Nonferrous Metals, Except Copper and Aluminum
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (Except Copper and Aluminum)	3399	Primary Metal Products, NEC

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RESOURCES

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3306 *World Tungsten*, July 2015

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Related Industry Studies

3295 *Refractories*, June 2015

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3282 *World Construction Machinery*, June 2015

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3270 *World Forestry Equipment*, June 2015

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3260 *Insulated Wire & Cable*, May 2015

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Recycling Today

www.recyclingtoday.com

Streetwise Reports

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Agencies & Associations

Institute of Scrap Recycling Industries

www.isri.org

International Tungsten Industry Association

www.itia.info

United States Census Bureau

www.census.gov

United States Geological Survey

www.usgs.gov

United States International Trade Commission

www.usitc.gov

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