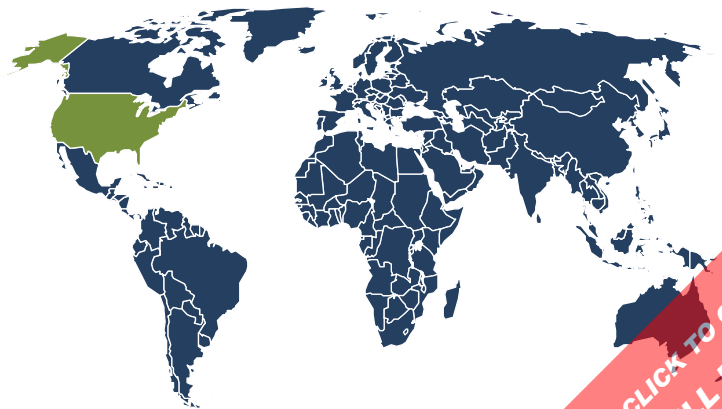




Freedonia Focus Reports  
US Collection

# Biocompatible Metals: United States

December 2014



## Highlights

### Market Environment

Historical Market Size and Trends | Key Economic Indicators | Regulatory Factors

### Demand Segmentation and Forecasts

Materials | Applications

### Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

### Resources

[www.freedoniafocus.com](http://www.freedoniafocus.com)

CLICK TO ORDER  
FULL REPORT  
**BROCHURE**  
CLICK TO ORDER  
FULL REPORT

## ABOUT THIS REPORT

### Scope & Method

This report forecasts US biocompatible metal demand in US dollars at the manufacturers' level to 2018. Total demand is segmented by material in terms of:

- precious metals
- stainless steel
- titanium
- other metals such as cobalt, copper, nickel, niobium, and tantalum.

Total demand is also segmented by application as follows:

- dental products and materials
- surgical appliances and supplies
- surgical and medical instruments
- electromedical equipment.

To illustrate historical trends, total demand is provided at five-year intervals for 2003, 2008, and 2013; the various segments are reported for 2008 and 2013. Forecasts are developed via the identification and analysis of pertinent statistical relationships and other historical trends/events as well as their expected progression/impact over the forecast period. Changes in quantities between reported years of a given total or segment are typically provided in terms of five-year compound annual growth rates (CAGRs). For the sake of brevity, forecasts are generally stated in smoothed CAGR-based descriptions to the forecast year, such as "demand is projected to rise 3.2% annually through 2018." The result of any particular year over that period, however, may exhibit volatility and depart from a smoothed, long-term trend, as historical data typically illustrate.

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

*Biocompatible Metals: United States* (FF40054) is based on [Biocompatible Materials](#), a comprehensive industry study published by The Freedonia Group in December 2014. 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
- The Freedonia Group Consensus Forecasts dated August 2014
- 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 |  |
| 331421  | Copper Rolling, Drawing, and Extruding  | 3351                    | Rolling, Drawing, and Extruding of Copper  |
| 331491  | Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding | 3356                    | Rolling, Drawing, and Extruding of Nonferrous Metals, Except Copper and Aluminum |
| 339113  | Surgical Appliance and Supplies Mfg   | 3842                    | Orthopedic, Prosthetic, and Surgical Appliances and Supplies                     |
| 339114  | Dental Equipment and Supplies Mfg   | 3843                    | Dental Equipment and Supplies  |

## Copyright & Licensing

The full report is protected by copyright laws of the United States of America and international treaties. The entire contents of the publication are copyrighted by The Freedonia Group, Inc.

## Table of Contents

| Section   | Page |
|---|------|
| About This Report .....   | i    |
| Highlights.....   | 1    |
| Market Environment .....  | 2    |
| Historical Market Size & Trends .....   | 2    |
| Chart 1   US Biocompatible Metal Demand Trends; 2003, 2008, 2013 (US\$ mil) .....             | 2    |
| Key Economic Indicators .....   | 3    |
| Table 1   Key Indicators for US Biocompatible Metal Demand; 2008, 2013, 2018 (US\$ bil) ..... | 3    |
| Regulatory Factors.....   | 4    |
| Demand Segmentation & Forecasts .....   | 6    |
| Materials.....  | 6    |
| Chart 2   US Biocompatible Metal Demand by Material; 2008, 2013, 2018 (US\$ mil).....         | 6    |
| Precious.....   | 7    |
| Gold.....   | 7    |
| Silver.....   | 8    |
| Other Precious Metals.....  | 10   |
| Stainless Steel.....  | 10   |
| Titanium.....   | 12   |
| Other Metals.....   | 15   |
| Chart 3   US Biocompatible Metal Demand by Material Share; 2008, 2013, 2018 (%).....          | 16   |
| Applications.....   | 17   |
| Chart 4   US Biocompatible Metal Demand by Application; 2008, 2013, 2018 (US\$ mil).....      | 17   |
| Dental Products & Materials.....  | 18   |
| Surgical Appliances & Supplies.....   | 19   |
| Surgical & Medical Instruments.....   | 20   |
| Electromedical Equipment.....   | 21   |
| Chart 5   US Biocompatible Metal Demand by Application Share; 2008, 2013, 2018 (%).....       | 22   |
| Industry Structure.....   | 23   |
| Industry Composition & Characteristics .....  | 23   |
| Company Profile 1   AK Steel Holding Corporation .....  | 24   |
| Company Profile 2   Allegheny Technologies Inc.....   | 25   |
| Company Profile 3   Carpenter Technology Corporation .....                                    | 26   |
| Additional Companies Cited.....   | 27   |
| Resources .....   | 28   |

To return here, click on any Freedonia logo or the Table of Contents link in report footers.  
 PDF bookmarks are also available for navigation.