Titanium, an important strategic metal, has many advantages such as high specific strength, corrosion resistance, biocompatibility and non-magnetic. Global consumption of titanium products is mainly concentrated in countries and regions like the United States, Europe, China and Japan. In developed countries and regions such as the United States, Europe and Japan, titanium is mainly applied in the aviation and aerospace field, making up about 60%; while in China, it is mainly used in sectors including chemical industry, pharmaceutical and metallurgy, covering around 70%.
From the perspective of titanium industry supply and demand, the global production of upstream and downstream products such as titanium sponge and the processing of titanium mill products features higher regional concentration, and only the United States, Japan, Russia and China have the complete industry chain from titanium sponge to the processing of titanium mill products. In 2009, the apparent consumption of titanium all over the world experienced a year-on-year drop of 32%, which resulted in a big fall in the output of titanium sponge and titanium mill products of the world’s major titanium producers, of which, China witnessed a decline of 17.8% and 10% year-on-year respectively in 2009 as well.
The worldwide commercial aviation industry has started to rebound entering the year of 2010. The accelerated delivery of large passenger aircrafts such as Boeing 787 and Airbus A380 in the coming two years will boost up the demand for aerospace titanium mill products, and hence propel the global consumption and demand of titanium mill products. In the meantime, as China’s new regional aircrafts like ARJ21 and Modern Ark 60 have won 340 orders, and the large aircraft project is in progress, it is projected that China’s demand for aerospace titanium mill products will reach 92,000 tons in the next decade.

China’s Apparent Consumption of Titanium, 2002-2009 (ton)

Source: China Nonferrous Metals Industry Association, ResearchInChina
With the growing consumption of titanium mill products in China, the world's titanium giants including VSMPO-AVISMA and TIMET have successively entered China's market through selling products or establishing joint ventures. Among domestic companies, Baoji Titanium Industry Co., Ltd has stood out for its M&A and restructuring in recent years, and it has further improved its industry chain after acquiring Huashen Titanium Industry Co., Ltd in 2008.
Table of Contents

1. Titanium Industry Overview
   • 1.1 Characteristics & Classification of Titanium Products
   • 1.2 Application of Titanium Products
   • 1.3 Titanium Industry Chain

2. Global Titanium Industry Development
   • 2.1 Reserves & Distribution
   • 2.2 Supply
   • 2.3 Demand
   • 2.3.1 Consumption Structure of Titanium Mill Products
   • 2.3.2 Trend of Titanium Demand
   • 2.4 Price Trend of Titanium Raw Materials

3. China’s Titanium Industry Development
   • 3.1 Policy Environment
   • 3.1.1 Industry Management System
   • 3.1.2 Industry Policy
   • 3.1.3 Tax Policy
   • 3.2 Titanium Reserves & Distribution
   • 3.3 Titanium Industry Technology Overview
   • 3.4 Titanium Industry Layout
   • 3.4.1 Regional Layout
   • 3.4.2 Market Competition Layout
   • 3.5 Supply
   • 3.6 Demand
   • 3.6.1 Consumption Structure
   • 3.6.2 Demand Trend
   • 3.7 Titanium Sponge Market Price Trend

4. Downstream Applications of Titanium in China
   • 4.1 Aviation and Aerospace
     • 4.1.1 Commercial Aircraft Titanium Application
     • 4.1.2 Commercial Aircraft Titanium Demand Prospect
     • 4.1.3 Military Aircraft Titanium Materials Application & Demand Prospect
   • 4.2 Chemical Industry
7. China's Key Titanium Companies
   7.1 Baoji Titanium Industry Co., Ltd
      7.1.1 Profile
      7.1.2 Operation
      7.1.3 Competition Advantages
      7.1.4 Development Strategies
   7.2 Western Titanium Technologies Co., Ltd
      7.2.1 Profile
      7.2.2 Operation
      7.2.3 Development Strategies
   7.3 Zunyi Titanium Corporation Limited
      7.3.1 Profile
      7.3.2 Operation
      7.3.3 Technology Advantages
   7.4 Fushun Titanium Co., Ltd
      7.4.1 Profile
      7.4.2 Operation
   7.5 Chaoyang Baisheng Titanium & Zirconium Co., Ltd
   7.6 Tangshan Tianhe Titanium Industry Co., Ltd
Selected Charts

• China vs. the World: Titanium Processing Structure
• Metallic Titanium Industry Flow
• Worldwide Titanium Reserves Distribution, 2009
• Titanium Categories & Grades of Key Titanium Companies
• Production Capacity of Key Titanium Sponge Producing Countries, 2004-2008
• Metallic Titanium Products Output of the United States, 2008-2009
• Metallic Titanium Products Output of Japan, 2006-2010
• Global Titanium Consumption by Region, 2009
• Global Titanium Consumption by Application Field, 2009
• Global Apparent Titanium Consumption, 2002-2009
• Australian Titanium Ore Price Trend, 2000-2010
• China’s Titanium Products Import & Export Tax Rate, 2010
• China’s Titanium (TiO2) Reserves Distribution by Region
• China’s Titanium (TiO2) Reserves by Type
• China’s Titanium Sponge Industry Layout by Region, 2009
• China’s Titanium Materials Industry Layout by Region, 2009
• China’s Titanium Sponge Market Competition Layout by Company, 2009
• China’s Titanium Materials Market Competition Layout by Company, 2009
• China’s Titanium Sponge Output and Growth Rate, 2000-2009
• China’s Titanium Materials Output and Growth Rate, 2000-2009
• China’s Titanium Consumption Structure, 2009
• China’s Titanium Materials Apparent Consumption, 2002-2009
• China’s Titanium Sponge Price Trend, 2006-2010
• TIMET Sales Revenue by Product, 2005-2009
• Industry Structure of Toho Titanium
• Production & Sales of Toho Titanium, FY2006-FY2010
• Sales Revenue & Net Profit of Toho Titanium, FY2005-FY2010
• Sales Revenue of Toho Titanium by Product, FY2006-FY2010
• Production Capacity Distribution & Expansion of Baoji Titanium Industry
• Operating Income & Net Profit of Baoji Titanium Industry, 2005-2010E
• Operating Income of Baoji Titanium Industry by Product, 2007-2009
• Product Markets of Baoji Titanium Industry by Region, 2007-2009
• Operating Income & Net Profit of Western Titanium Technologies, 2007-2009
• Titanium Sponge Output of Zunyi Titanium, 2004-2009
• Titanium SpongePrice Trend of Zunyi Titanium, 2004-2009
• Titanium Sponge Output of Fushun Titanium, 2004-2009
• Titanium Sponge Output of Chaoyang Baisheng Titanium & Zirconium, 2005-2009
## How to Buy

<table>
<thead>
<tr>
<th>Product details</th>
<th>How to Order</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>USD</td>
</tr>
<tr>
<td>Single user</td>
<td>1,700</td>
</tr>
<tr>
<td>Enterprisewide</td>
<td>2,500</td>
</tr>
<tr>
<td>Publication date: Aug. 2010</td>
<td></td>
</tr>
</tbody>
</table>

For more information, call our office in Beijing, China:
Tel: 86-10-82600828
Website: www.researchinchina.com

By email: report@researchinchina.com
By fax: 86-10-82601570
By online: www.researchinchina.com