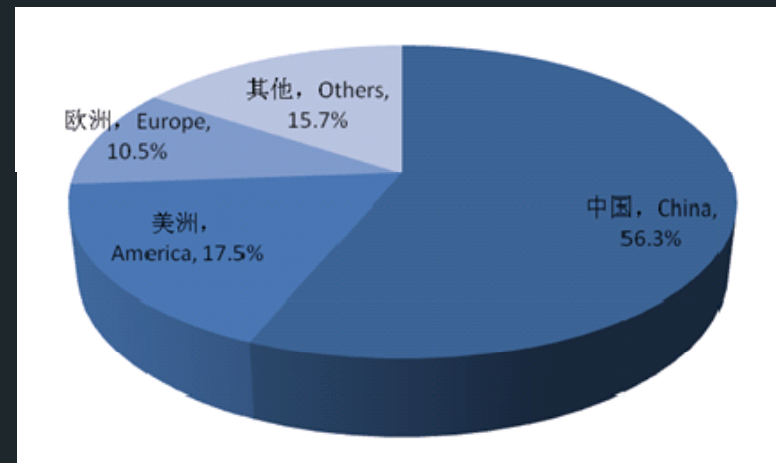


China Silicon Carbide Industry Report, 2009-2010



China is the leading producer and consumer of silicon carbide, and its output of silicon carbide in 2009 reached 535 kilotons or so, occupying 56.3% of the global total and ranking the first worldwide. Chinese silicon carbide industry characterizes large output but lack of competitiveness. Despite the sufficient supply of output, most of China-made silicon carbide products are low-end and preliminarily processed, while certain demand-supply gap exists in the refined and deep-processed products with high added value. Furthermore, the supply of the products with high technical content such as silicon carbide whisker and silicon carbide crystal are far from satisfaction. In 2009, China imported 1.3 kilotons of silicon carbide to make up for the domestic market deficiency.

Silicon Carbide Output by Region Worldwide, 2009



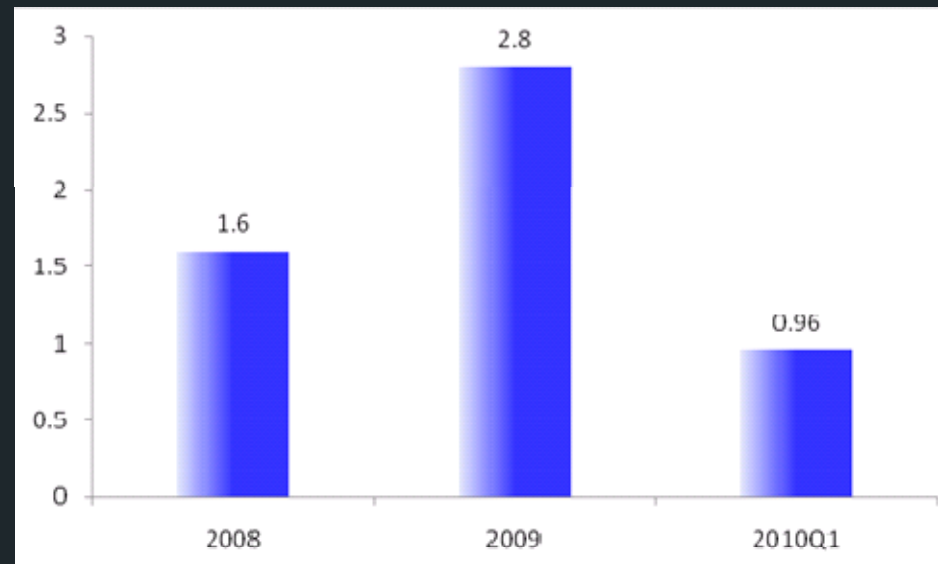
Source: ResearchInChina

In spite of some opportunities brought by the upgrading of product structure and the extension of downstream demand, the development of silicon carbide industry, which is featured by high energy consumption and pollution, is exposed to hindrance from the influence of energy shortage and national energy conservation policy, in specific, the examination and approval of new projects are restricted, and relevant preferential policies like low electricity price have already been cancelled. Consequently, we can say that the future development of China's silicon carbide industry will face many uncertainties.

Apart from the focus on the operation environment, current development, supply & demand, competition pattern, import & export, price trend, and development outlook of China silicon carbide industry, this report also highlights the analysis on the supply & demand and price trend of silicon carbide upstream markets such as anthracite, petroleum coke, etc., current development and prospect of silicon carbide downstream industry, as well as the operation and development advantage of key Chinese enterprises.

Take Yicheng New Material (the original Yicheng Silicon Carbide) as an example. It has expanded against the global financial meltdown. After purchasing two silicon carbide material enterprises in Qinghai, etc., it invested the photovoltaic-based silicon carbide powder Phase II project and put it into operation at the end of November, 2009; therefore, its annual output capacity has been increased to 600 million tons, and it has become the largest manufacturer of silicon carbide fine powder for the photovoltaic industry all over the world. Through the business strategy of 'Transfer of Profits but No Transfer of Market', the company has continuously developed new clients while consolidating old clients. In 2009, the sales revenue of the company turned out to be RMB2.8 billion, up 75% yr-on-yr. Along with the recovery of silicon carbide market, the company made remarkable achievements in the first quarter of 2010 with the sales revenue hitting RMB 960 million, a 140% YoY rise.

Sales Revenue of Yicheng New Material, 2008-2010Q1 (Unit: RMB billion)



Source: ResearchInChina

With regard to development advantage, Yicheng New Material is currently the biggest manufacturer of photovoltaic silicon carbide in China. It enjoys high market shares and its output capacity takes an 11.2% share of the entire silicon carbide market. Meanwhile, as the company is located in anthracite-abundant Henan Province, the sufficient and stable source of raw materials not only greatly lowers the production cost, but also effectively guarantees the steady quality of its silicon carbide products.

Table of Contents

- **1. Overview of Silicon Carbide Industry**
 - 1.1 Definition & Classification
 - 1.2 Properties & Applications
 - 1.3 Market Characteristics
- **2. Operation Environment of Silicon Carbide Industry**
 - 2.1 International Environment
 - 2.2 Domestic Environment
 - 2.2.1 Macro-Environment
 - 2.2.2 Policy & Market Environment
- **3. Development of Silicon Carbide Industry**
 - 3.1 Status Quo
 - 3.2 Supply & Demand
 - 3.2.1 Total Supply & Demand
 - 3.2.2 Supply
 - 3.2.3 Demand
 - 3.3 Competition Pattern
 - 3.4 Export & Import
 - 3.4.1 Export Quota
 - 3.4.2 Export & Import
 - 3.5 Price Trend
 - 3.6 Development Outlook
- **4. Development of Silicon Carbide Upstream & Downstream Industries**
 - 4.1 Upstream Sectors
 - 4.1.1 Silica Sand
 - 4.1.2 Anthracite
 - 4.1.3 Petroleum Coke
 - 4.2 Downstream Sectors
 - 4.2.1 Abrasive Materials
 - 4.2.2 Refractory Materials
 - 4.2.3 Iron & Steel
 - 4.2.4 Ceramics
 - 4.2.5 Electronics

- **5. Key Companies**
- 5.1 Henan Xindaxin Materials
 - 5.1.1 Profile
 - 5.1.2 Operation
 - 5.1.3 Development Outlook & Advantage
- 5.2 Yicheng New Material
 - 5.2.1 Profile
 - 5.2.2 Operation
 - 5.2.3 Development Outlook & Advantage
- 5.3 Danjiangkou Hongyuan Silicon Carbide
 - 5.3.1 Profile
 - 5.3.2 Operation
 - 5.3.3 Development Advantage
- 5.4 Ningxia Jinjing Metallurgicals And Minerals Industrial
 - 5.4.1 Profile
 - 5.4.2 Operation
- 5.5 Baishan City Power Carborundum
 - 5.5.1 Profile
 - 5.5.2 Operation
- 5.6 Yili Yineng Quality Silicone Carbon
 - 5.6.1 Profile
 - 5.6.2 Operation
- 5.7 Lanzhou Heqiao Resource
 - 5.7.1 Profile
 - 5.7.2 Operation
 - 5.7.3 Development Outlook
- 5.8 Qinghai Guiqiang Abrasive
- 5.9 Tonghua Hongxin Abrasive
 - 5.9.1 Profile
 - 5.9.2 Operation
- 5.10 LinShu Zhengyu Silicon Carbide
 - 5.10.1 Profile
 - 5.10.2 Operation
 - 5.10.3 Development Advantage
- 5.11 Tankeblue Semiconductor
 - 5.11.1 Profile
 - 5.11.2 Operation & Outlook

Selected Charts

- Silicon Carbide Output by Region Worldwide, 2009
- Global Leading Manufacturers of Silicon Carbide and Their Output Capacity, 2008
- Proportions of Downstream Demand for Silicon Carbide Worldwide, 2007-2009
- Power Consumption of Black Silicon Carbide and Green Silicon Carbide
- Silicon Carbide Output and Demand of China, 2007-2009
- Distribution of Silicon Carbide Output by Region, China, 2009
- Silicon Carbide Demand Structure and Proportions, 2009
- Market Shares of Chinese Silicon Carbide Manufacturers, 2009
- Product Prices of Major Chinese Manufacturers of Silicon Carbide, May.2010
- First Time of Quotas for Silicon Carbide Export, 2007-2010
- The Issuing of Silicon Carbon Permits by the Commissioner's Offices of the Ministry of Commerce of The People's Republic of China in Major Provinces and Cities, China, Jan.-Apr., 2010
- List of Top Ten Preliminarily Winning the Bid for Silicon Carbide Export, 2010
- Silicon Carbide Import & Export Volume of China, 2007-Mar.2010
- Silicon Carbide Import & Export Value of China, 2007-Mar.2010
- Average Prices of China Silicon Carbide Imports & Exports, 2007-Mar.2010
- Overseas Market Distribution of China Silicon Carbide, 2009
- China Silicon Carbide Import Origins and Shares, 2009
- Market prices of China Silicon Carbide, Dec.2009-May.2010
- Monthly Average Price of China Silicon Carbide Imports & Export, 2009-Mar.2010
- Distribution of Silica Sand Reserves in China
- Anthracite Output by Region, China, 2008-2009

- Anthracite Output of China, 2008-Q1 2010
- Top Ten Chinese Anthracite Manufacturers, 2008
- Market Prices of Anthracite Slack Coal in China, 2009-2010
- Price Trend of Anthracite Lump in China, Jan.-May, 2010
- Petroleum Coke Demand in China, 2007-2009
- Petroleum Coke Supply by Region, 2009
- Structure of Downstream Demand for Petroleum Coke in China, 2009
- Price Trend of Petroleum Coke in China, 2009-Apr.2010
- Solar Cell Output of China, 2005-2009
- Export Value of China Solar Products, 2005-2009
- Refractory Material Output and Growth Rates of China, 2003-2010
- China's Output and Proportions of Main Refractory Products, 2009
- Crude Steel and Steel Output of China, 2007-Apr.2010
- Ceramic Tile Output of China, 2007-2009
- China LED Industry Layout by Region, 2009
- China LED Market Scale and Forecast, 2006-2010
- Growth Rate for the Operating Revenue of Listed Companies of Electronic Components in China, 2008Q3-2009Q3
- Growth Rate for Net Profit of Listed Companies of Electronic Components in China, 2008Q3-2009Q3
- Sales Volume, Main Business Revenue and Net Income of Henan Xindaxin Materials, 2007-2009
- Contribution of Henan Xindaxin Materials' Wafer Cutting Materials to Its Main Business Revenue, 2007-2009
- Sales Revenue of Yicheng New Material, 2008-2010Q1
- Main Financial Data of Danjiangkou Hongyuan Silicon Carbide, 2008

- Main Business Revenue and Profit of Ningxia Jinjing Metallurgicals And Minerals Industrial, 2007-2008
- Main Financial Data of Baishan City Power Carborundum, 2007-2008
- Main Financial Data of Yili Yineng Quality Silicone Carbon, 2008
- Main Business Revenue and Profit of Lanzhou Heqiao Resource, 2007-2008
- Main Business Revenue and Profit of Tonghua Hongxin Abrasive, 2007-2008
- Main Business Revenue and Profit of LinShu Zhengyu Silicon Carbide, 2007-2008

How to Buy

Product details			How to Order
Single user	USD	File	By email: report@researchinchina.com
	999	PDF	By fax: 86-10-82601570
Enterprisewide	1,499	PDF	By online: www.researchinchina.com
Publication date: June 2010			
For more information, call our office in Beijing, China:			
Tel: 86-10-82600828			
Website: www.researchinchina.com			