



**Global and China Needle Coke Industry
Report, 2017-2021**

Mar. 2018

STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

Abstract

Global needle coke capacity reached about 1,600kt in 2017, largely contributed by the eight giants like Phillips66, C-Chem and Seadrift. Phillips66 is the largest producer of needle coke around the globe with its capacity seizing over 20% of the global total.

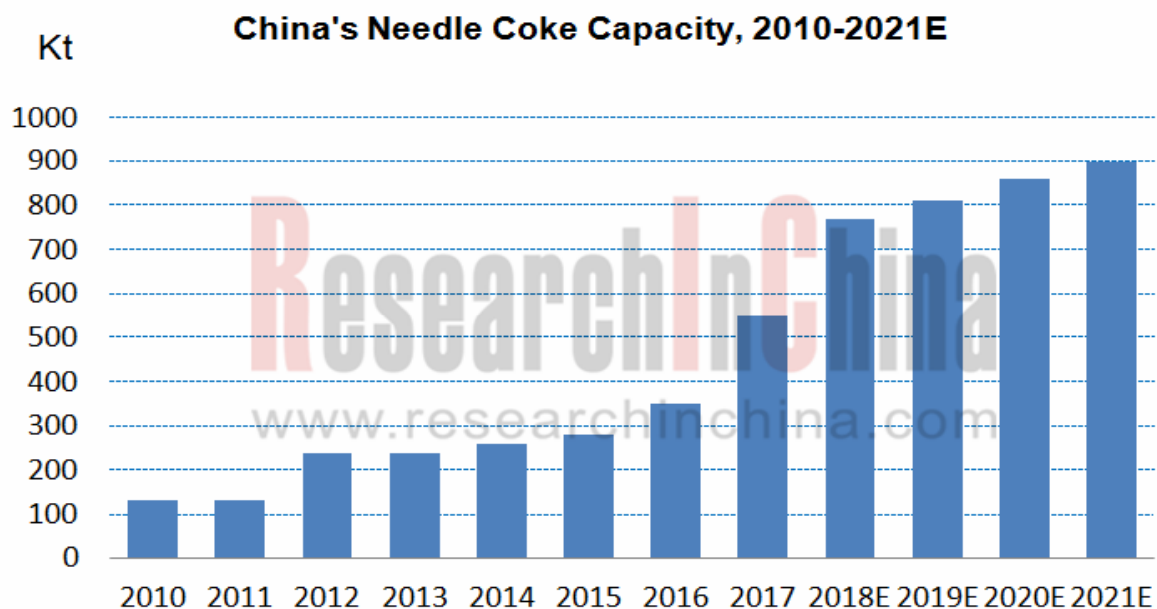
Few Chinese companies can independently produce high-quality needle coke because of high technical barriers. Fangda Carbon New Material made its presence in global high-end market via acquisition of C-Chem's Jiangsu plant in early 2017. The factory, with the capacity of 60kt/a, is chiefly for in-house production of graphite electrode.

Prices of needle coke soared in 2017, exceeding RMB40,000/t in August, more than ten times the level at the beginning of the year, thus driving up prices across industry chain (like graphite electrode). Meanwhile, prices of imported needle coke climbed as well, largely due to a surge in downstream demand.

Needle coke is mainly used in graphite electrode and lithium-battery anode materials. The demand for graphite electrode for steelmaking grew slowly because of a downturn in the steel industry between 2012 and 2016. However, as the Chinese government made great efforts to cut excessive overcapacity and get rid of substandard steel products and the demand for electric-arc furnace rose significantly, the demand for graphite electrode remained high in 2017, boosting the demand for needle coke. At the same time, rapid growth of new energy vehicles increases consumption of needle coke in lithium battery anode material. The demand was about 80kt in 2017 and is predicted to surpass 250kt in 2021.

An upsurge in needle coke prices fuels expansion and building by Chinese needle coke enterprises. Eight needle coke firms, including Jinzhou Chemical, Shandong Jingyang Technology, Qitaihe Baotailong Coal & Coal Chemicals, Shanxi Hongte Coal Chemical, Shandong Yida New Material and Fangda C-Chem announced plans for re-starting, expanding and operation in the second half of 2017. It is calculated that China boasted needle coke capacity of 550kt in 2017 with 200kt newly added. As new and expansion projects go into production, the country's needle coke capacity is expected to total around 900kt by 2021.

Global and China Needle Coke Industry Report, 2017-2021 highlights the followings:
 Supply & demand, competition, etc. in global needle coke market;
 Chinese needle coke market (development environment (policies, technology, and trade), supply and demand, competitive landscape, price trend, main projects, etc.);
 Chinese graphite electrode market (supply & demand, competitive landscape, price trend, and demand for needle coke);
 Chinese lithium battery anode materials market (supply & demand, competitive landscape, price trend, and demand for needle coke);
 Seven global and ten Chinese needle coke enterprises (operation, needle coke business, etc.)



Source: Global and China Needle Coke Industry Report, 2017-2021

<p>1. Overview of Needle Coke</p> <p>1.1 Product Introduction</p> <p>1.2 Classification and Application</p> <p>1.3 Industry Chain</p> <p>2. Development of Global Needle Coke Industry</p> <p>2.1 Overview</p> <p>2.2 Supply & Demand</p> <p>2.2.1 Supply</p> <p>2.2.2 Demand</p> <p>2.3 Technical Status</p> <p>2.4 Market Pattern</p> <p>2.4.1 USA</p> <p>2.4.2 Japan</p> <p>2.4.3 UK</p> <p>3. Development of Needle Coke Industry in China</p> <p>3.1 Development Environment</p> <p>3.1.1 Policy Environment</p> <p>3.1.2 Technical Environment</p> <p>3.1.3 Trade Environment</p> <p>3.2 Supply & Demand</p> <p>3.2.1 Supply</p> <p>3.2.2 Demand</p> <p>3.3 Market Pattern</p> <p>3.4 Import</p> <p>3.5 Price Trend</p>	<p>3.6 Key Projects</p> <p>4. Development of Graphite Electrode Industry in China</p> <p>4.1 Supply & Demand</p> <p>4.1.1 Overview</p> <p>4.1.2 Supply</p> <p>4.1.3 Demand</p> <p>4.1.4 Import & Export</p> <p>4.2 Competitive Landscape</p> <p>4.2.1 Enterprise Competition</p> <p>4.2.2 Regional Competition</p> <p>4.3 Price Trend</p> <p>4.4 Demand for Needle Coke</p> <p>5. China Lithium-ion Battery Anode Materials Market</p> <p>5.1 Supply & Demand</p> <p>5.1.1 Supply</p> <p>5.1.2 Demand</p> <p>5.2 Competitive Landscape</p> <p>5.2.1 Enterprise Competition</p> <p>5.2.2 Regional Competition</p> <p>5.3 Price Trend</p> <p>5.4 Demand for Needle Coke</p> <p>6. Major Needle Coke Companies Worldwide</p> <p>6.1 Phillips 66</p>	<p>6.1.1 Profile</p> <p>6.1.2 Operation</p> <p>6.1.3 Needle Coke Business</p> <p>6.2 C-Chem</p> <p>6.2.1 Profile</p> <p>6.2.2 Needle Coke Business</p> <p>6.3 Seadrift Coke</p> <p>6.3.1 Profile</p> <p>6.3.2 Needle Coke Business</p> <p>6.4 Mitsubishi Chemical</p> <p>6.4.1 Profile</p> <p>6.4.2 Operation</p> <p>6.4.3 Needle Coke Business</p> <p>6.5 JX Holdings Inc</p> <p>6.5.1 Profile</p> <p>6.5.2 Operation</p> <p>6.5.3 Needle Coke Business</p> <p>6.6 Petrocokes Japan Limited</p> <p>6.6.1 Profile</p> <p>6.6.2 Needle Coke Business</p> <p>6.7 Posco Chemtech</p> <p>6.7.1 Profile</p> <p>6.7.2 Needle Coke Business</p> <p>7. Major Needle Coke Companies in China</p> <p>7.1 Fangda Carbon New Material Technology</p> <p>7.1.1 Profile</p>
--	--	--

7.1.2 Operation	7.9 Shanxi Jinzhou Chemical Industry Co., Ltd.
7.1.3 Revenue Structure	7.9.1 Profile
7.1.4 Needle Coke Business	7.9.2 Needle Coke Business
7.2 Qitaihe Baotailong Coal & Coal Chemicals Public Co., Ltd.	7.10 Sinopec Shanghai Petrochemical Co., Ltd.
7.2.1 Profile	7.10.1 Profile
7.2.2 Operation	7.10.2 Needle Coke Business
7.2.3 Revenue Structure	
7.2.4 Needle Coke Business	8. Summary and Forecast
7.3 Shandong Yida New Material Co., Ltd.	8.1 Market
7.3.1 Profile	8.2 Enterprise
7.3.2 Needle Coke Business	
7.4 Anshan Kaitan Thermal Energy New Materials Co., Ltd.	
7.4.1 Profile	
7.4.2 Needle Coke Business	
7.5 Jinzhou Petrochemical Co., Ltd	
7.5.1 Profile	
7.5.2 Needle Coke Business	
7.6 Shanghai Baosteel Chemical Co., Ltd.	
7.6.1 Profile	
7.6.2 Needle Coke Business	
7.7 Shanxi Hongte Coal Chemical Industry Co., Ltd.	
7.7.1 Profile	
7.7.2 Needle Coke Business	
7.8 Shandong Jingyang Technology Co., Ltd.	
7.8.1 Profile	
7.8.2 Needle Coke Business	

- Physical Needle Coke
- Needle Coke Industry Chain
- Global Needle Coke Capacity, 2010-2018E
- Global Needle Coke Capacity Structure (by Product), 2010-2018E
- Global Needle Coke Output, 2011-2018E
- Shipment of Global Lithium Battery Anode Materials, 2010-2021E
- Global Coal Based Needle Coke Production Process and Its Characteristics
- Needle Coke Production Process by Different Raw Materials
- Capacity of Major Global Needle Coke Manufacturers, 2017
- Capacity and Production Base of U.S. Needle Coke Manufacturers, 2017
- Capacity and Product Type of Major Japanese Needle Coke Manufacturers, 2017
- Capacity and Production Base of British Needle Coke Manufacturers, 2017
- Policies on Needle Coke in China, 2016-2018
- Evolution of Needle Coke Technologies in China
- China's Temporary Tariff Rate for Imported Carbon Goods, 2018
- China's Needle Coke Capacity, 2010-2021E
- China's Needle Coke Output, 2010-2021E
- China's Needle Coke Output by Product, 2015-2021E
- China's Demand for Needle Coke, 2014-2021E
- Capacity of Major Chinese Needle Coke Manufacturers, 2017
- China's Needle Coke Product Import Volume and Growth Rate, 2010-2017
- China's Needle Coke Import Volume (by Product), 2010-2017
- Monthly Price Trend of Imported Needle Coke in China, 2017
- Price Trend of China-made Needle Coke, 2017
- Price of Needle Coke (by Product) in China, 2016-2017

- Key Needle Coke Projects Planned and Under Construction in China, 2018
- Factors Affecting Supply and Demand of Graphite Electrode
- Supply Structure of Graphite Electrode in China, 2015-2018
- China's Graphite Electrode Output, 2008-2021E
- China's Graphite Electrode Output (by Product), 2008-2018E
- Downstream Structure of Graphite Electrode in China
- Proportion of Electric Furnace Steel in Major Countries, 2016
- Policies on Electric Furnace Steel in China, 2016-2018
- Electric Furnace Steel Output and Ratio to Crude Steel in China, 2004-2021E
- China's Graphite Electrode Sales Volume, 2008-2021E
- China's Graphite Electrode Sales Structure (by Product), 2009-2018E
- Top10 Enterprises by Graphite Electrode Output in China, 2016
- Top10 Enterprises by UHP/HP Graphite Electrode Output in China, 2016
- Graphite Electrode Capacity in China by Region, 2017
- Price Trend of Ultrahigh Power Graphite Electrode in China, 2010-2018
- Price Trend of High Power Graphite Electrode in China, 2010-2018
- Price Trend of Regular Power Graphite Electrode in China, 2010-2018
- Needle Coke Use in Graphite Electrode
- Demand for Needle Coke from Graphite Electrode in China, 2014-2021E
- Output of Lithium-ion Battery Anode Materials in China, 2010-2021E
- Performance Comparison of Main Anode Materials
- Output of Lithium-ion Battery Anode Materials (By Product) in China, 2013-2021E
- Cost Structure of Lithium Battery
- China's Output of Power Lithium Battery, 2014-2021E
- Output and Sales of New Energy Vehicle in China, 2014-2021E

- Rankings of Major Anode Material Producers in China, 2017
- Quarterly Price Trend of Anode Materials and Needle Coke in China, 2017
- Demand for Needle Coke Used in Lithium Battery Anode Materials in China, 2014-2021E
- Revenue and Net Income of Phillips66, 2015-2017
- Sales and Other Operating Revenues by Business of Phillips66, 2015-2017
- Net Income (Loss) by Business of Phillips66, 2015-2017
- Sales and Other Operating Revenues by Region of Phillips66, 2015-2017
- Prevailing Needle Coke Prices of Phillips66, 2016-2017
- Needle Coke Capacity of Phillips66, 2017
- Operation of Mitsubishi Chemical, FY2008-FY2016
- Revenue and Net Income of JX Holdings, FY2010-FY2017
- Revenue Structure of JX Holdings (by Division), FY2010-FY2017
- Needle Coke Production Bases and Capacity of JX Holdings, 2017
- Equity Structure of Fangda Carbon New Material Technology, 2017
- Revenue and Net Income of Fangda Carbon New Material Technology, 2009-2017
- Operating Revenue of Fangda Carbon New Material Technology (by Product), 2009-2017
- Operating Revenue of Fangda Carbon New Material Technology (by Region), 2009-2017
- Equity Structure of Baotailong, 2017
- Revenue and Net Income of Baotailong, 2009-2017
- Operating Revenue of Baotailong (by Product), 2014-2017
- Operating Revenue of Baotailong (by Region), 2014-2016
- Development History of Anshan Kaitan's Needle Coke
- Production Base Distribution of Baochem
- Needle Coke Performance Index of Shanxi Hongte Coal Chemical Industry
- Demand for and Supply of Needle Coke in China, 2015-2021E

You can place your order in the following alternative ways:

1. Order online at www.researchinchina.com
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: report@researchinchina.com
4. Phone us at +86 10 82600828

Party A:			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

Party B:			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 509, 1+1 Building, No. 10, Caihefang Road, Haidian District, Beijing, China 100080		
Contact Person:	Liao Yan	Phone:	86-10-82600828
E-mail:	report@researchinchina.com	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing Bank Account No #: 110060668012015061217 Routing No #: 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	Format	Cost
<i>Total</i>		

Choose type of format

PDF (Single user license)	2,500 USD
Hard copy	2,700 USD
PDF (Enterprisewide license).....	3,900 USD

※ Reports will be dispatched immediately once full payment has been received.
Payment may be made by wire transfer or credit card via PayPal.

About ResearchInChina

ResearchInChina (www.researchinchina.com) is a leading independent provider of China business intelligence. Our research is designed to meet the diverse planning and information needs of businesses, institutions, and professional investors worldwide. Our services are used in a variety of ways, including strategic planning, product and sales forecasting, risk and sensitivity management, and as investment research.

Our Major Activities

- *Multi-users market reports*
- *Database-RICDB*
- *Custom Research*
- *Company Search*

RICDB (<http://www.researchinchina.com/data/database.html>), is a visible financial data base presented by map and graph covering global and China macroeconomic data, industry data, and company data. It has included nearly 500,000 indices (based on time series), and is continuing to update and increase. The most significant feature of this base is that the vast majority of indices (about 400,000) can be displayed in map.

After purchase of our report, you will be automatically granted to enjoy 2 weeks trial service of RICDB for free.

After trial, you can decide to become our formal member or not. We will try our best to meet your demand. For more information, please find at www.researchinchina.com

For any problems, please contact our service team at: