

RIZHAO HENGQIAO CARBON CO.,LTD
RIZHAO NINEFINE INTERNATIONAL TRADING CO.,LTD

The leading manufacturer of GPC & CPC in China

RIZHAO HENGQIAO CARBON COMPANY PROFILE

Rizhao Hengqiao Carbon Co., Ltd. is mainly committed to the production and sale of graphitized petroleum coke, calcined petroleum coke and silicon carbide products for foundry and steelmaking industries. Our headquarter is located in Rizhao, Shandong province, with more than 500 employees, Rizhao Ninefine Trading Co.,Ltd., is our trading company.

Our carbon material business began in 2008, the major business was the trade of green petroleum coke products for both China origin as well as the importation from the overseas market like the US, Taiwan, etc . Along with the expansion of our business, we have started the production of calcined petroleum coke, graphitized petroleum coke and silicon carbide products since 2010.

We own 3 calcined petroleum coke factories in Shandong province, which covers the production for both low sulphur and high sulphur calcined petroleum coke products with annual capacity for 400000 tons. The production of low sulphur and low nitrogen graphitized petroleum coke is mainly located in Inner Mongolia and Gansu province, where we can supply all kinds of graphitized petroleum coke and half graphitized petroleum coke with different sizes and specifications, our annual production for such material is 200,000 tons.

Our silicon carbide products are produced in Gansu, where we mainly provide the 90% SIC and 98% SIC and other grades of silicon carbide with different sizes, annual capacity of this material is 50,000 tons.

In addition, to match our export business, we built two screening factories with capacity of 50000 tons per year in Tianjin which are nearby to Xingang port, so that we can send our material to the port conveniently and timely . At the same time, we are also equipped with carbon electrode paste production workshop, providing customized CEP production anytime.

Meanwhile along with many years experience and reputation in this industry, we could source variety of metallurgy materials to meet different market demands, such as met coke, foundry coke, ECA, GCA, GES, Anode and cathode block, etc.

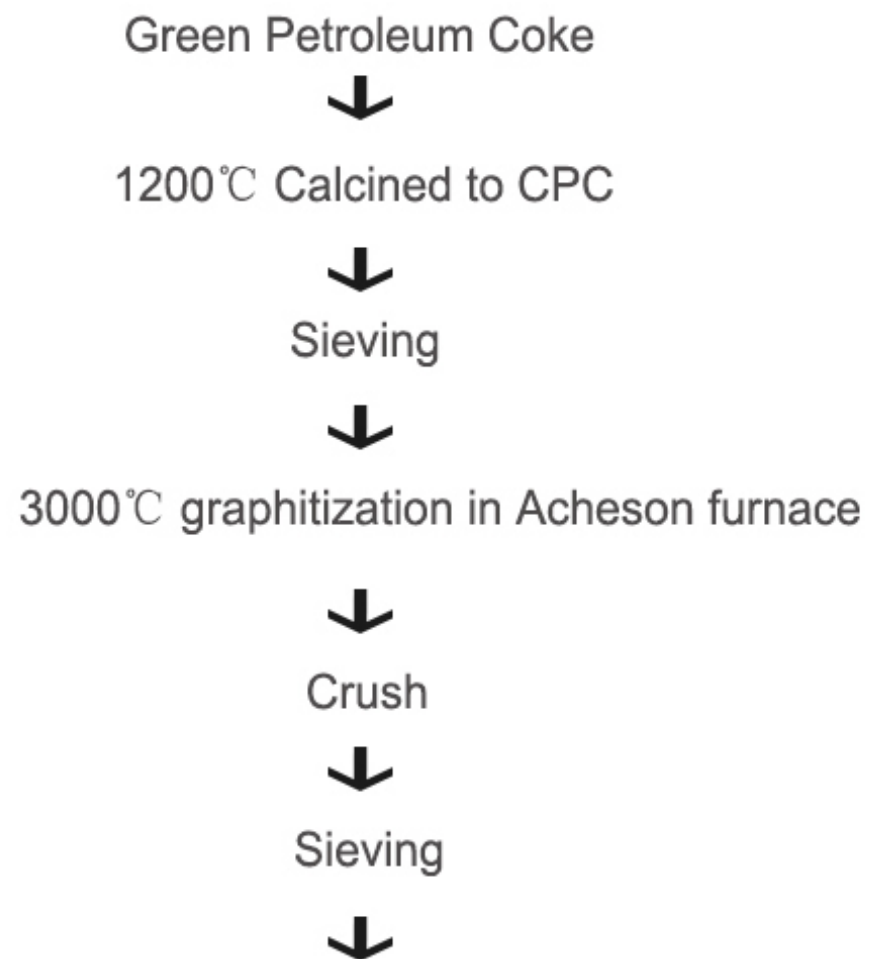
First-class quality and stable supply capacity have enabled us to win long-term stable cooperation customers both at home and abroad. Over the years, we have established long-term business cooperation relationships with customers from more than 20 countries and regions including the United States, Germany, Italy, Japan, Thailand, South America, India as well as other countries and regions.



PRODUCT SPECIFICATION

Graphite petroleum coke (GPC)

High-quality green petroleum coke is taken into Acheson furnace for graphitization process with temperature around 2500~3600°C. The product has higher degree of graphitization with nitrogen content is lower than 300ppm. This product, with lower sulphur, ash, volatile matter and moisture content, is ideal recarburizer for steelmaking and foundry industries.



Item	Fixed carbon	Sulphur	Ash	Volatile matter	Nitrogen	Moisture	Size (mm)
HQ-GPC-01	99% min.	0.03% max.	0.5% max.	0.5% max.	0.01% max.	0.5% max.	1-3/1-5
HQ-GPC-02	98.5% min.	0.05% max.	0.7% max.	0.8% max.	0.03% max.	0.5% max.	1-5/5-10
HQ-GPC-03	98% min.	0.07% max.	1% max.	1% max.	0.03% max.	0.5% max.	0.2-1
HQ-GPC-04	98% min.	0.1% max.	1% max.	1% max.	0.05% max.	0.5% max.	0-0.5

***Other sizes and specifications are available, please enquire.**

Semi-graphite petroleum coke(SGPC)

Semi GPC is the insulation layer of Acheson's high-temperature graphitization products. The calcination temperature is in the range of 1700-2500°C. It belongs to the medium-temperature graphitization product. It is economical recarburizer with high fixed carbon, lower sulphur content, fast dissolution rate and high absorption rate.

Item	Fixed carbon	Sulphur	Ash	Volatile matter	Moisture	Size (mm)
HQ-SGPC-01	98.5% min.	0.1% max.	0.7% max.	0.8% max.	0.5% max.	1-5
HQ-SGPC-02	98.5% min.	0.2% max.	0.7% max.	0.8% max.	0.5% max.	3-8
HQ-SGPC-03	98.5% min.	0.3% max.	1% max.	1% max.	0.5% max.	1-5
HQ-SGPC-04	98% min.	0.5% max.	1% max.	1% max.	0.5% max.	3-10
HQ-SGPC-05	98% min.	0.8% max.	1% max.	1% max.	0.5% max.	1-5

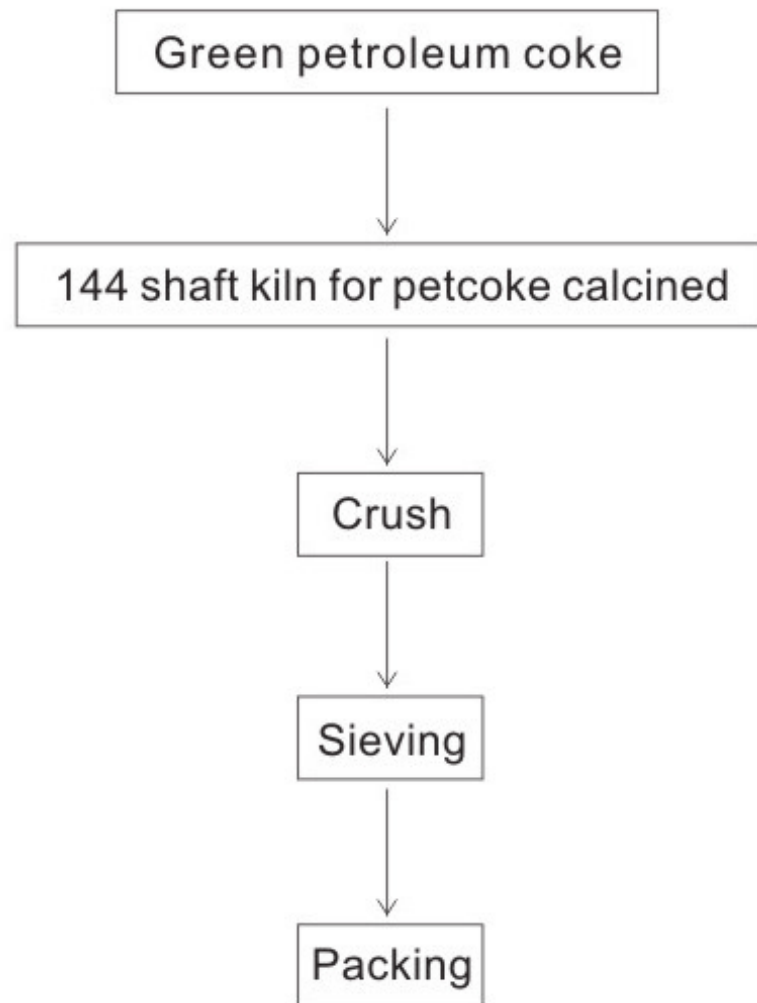


Graphite electrode scrap(GES)

Item	Fixed carbon	Sulphur	Ash	Volatile matter	Nitrogen	Moisture	Size (mm)
HQ-GES-01	99.0%	0.03%	0.5%	0.5%	0.01%	0.30%	1-5
HQ-GES-02	98.5%	0.05%	0.7%	0.8%	0.03%	0.50%	0.2-1

Calcined petroleum coke (CPC)

Calcined Petroleum Coke (CPC) is obtained by heating green petroleum Coke at temperatures as high as 1400°C. With high electrically conductive, low specific Electrical Resistance, and having fixed Carbon of approximately 98.5%, which is widely used in the aluminum anode, graphite electrode, and other carbon consuming industries.



Item	Fixed carbon	Sulphur	Ash	Volatile matter	Moisture	Size (mm)
HQ-CPC-01	98.5% min.	0.5% max.	0.7% max.	0.8% max.	0.5% max.	1-3/1-5
HQ-CPC-02	98.5% min.	0.8% max.	0.7% max.	0.8% max.	0.5% max.	1-5/30-60
HQ-CPC-03	98.5% min.	1% max.	0.5% max.	1% max.	0.5% max.	1-3/5-20
HQ-CPC-04	98.5% min.	2% max.	0.5% max.	1% max.	0.5% max.	1-5
HQ-CPC-05	98.5% min.	3% max.	0.5% max.	1% max.	0.5% max.	0-2

*Other sizes and specifications are available, please enquire.

Calcined pitch coke(CPTC)

Item	Fixed carbon	Sulphur	Ash	Volatile matter	Moisture	Size (mm)
HQ-CPTC	98.5% min.	0.1% max.	0.7% max.	0.8% max.	0.5% max.	1-5

Calcined anthracite coal(CAC)


Item	Fixed carbon	Sulphur	Ash	Volatile matter	Moisture	Size (mm)
HQ-CAC-01	95% min.	0.2% max.	3.5% max.	1.5% max.	0.5% max.	1-5
HQ-CAC-02	93% min.	0.3% max.	5.5% max.	1.5% max.	0.5% max.	1-5
HQ-CAC-03	90% min.	0.3% max.	8.5% max.	1.5% max.	0.5% max.	1-5

Carbon electrode paste

Electrode paste is dehydrated and melted by petroleum coke and pitch coke in a melting tank, and proportionally added to the kneading pot and kneaded, then molded and calcined.

Electrode paste has the characteristics of low resistivity and is used as a conductive material in electric furnace such as ferroalloy furnace and calcium carbide furnace.

Item	Electrode Paste
Si	<0.28%
p	<0.004%
V.M	10-15%
Ash	<4.0%
Fe	<0.25%
Resistivity	65-90
Density	>1.46g/cm ³
Compression Strength	>18Mpa
Real Density	>1.98g/cm ³

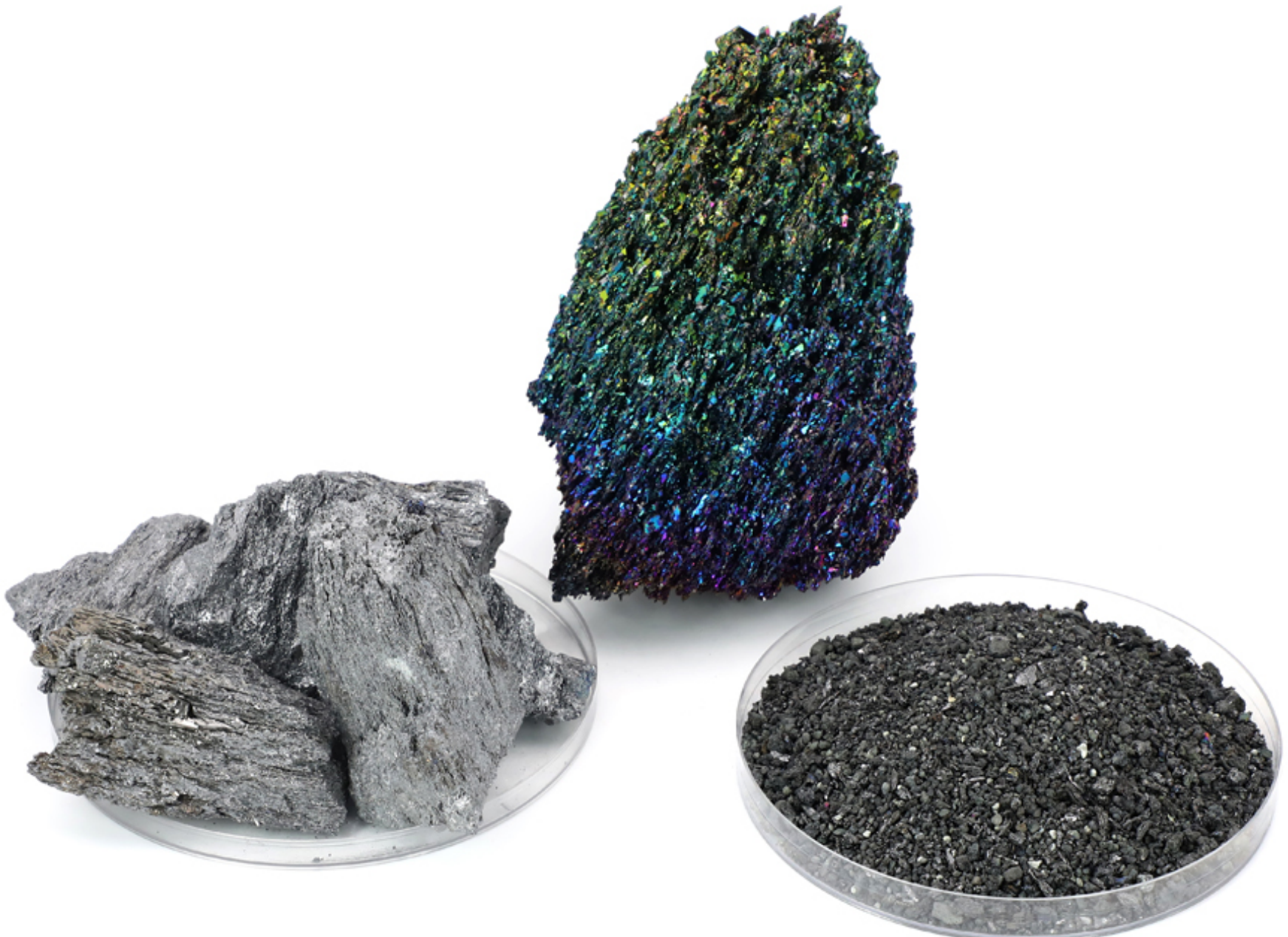


Silicon carbide(SiC)

Silicon carbide is made from the mixture of pure silica sand and green petroleum coke in ultra high power Acheson furnace. Electric current is passed through the conductor, bringing about a chemical reaction in which the carbon in the coke and silicon in the sand combine to form SiC and carbon monoxide gas. Silicon carbide is widely used in the abrasives, metallurgical and refractory industries.

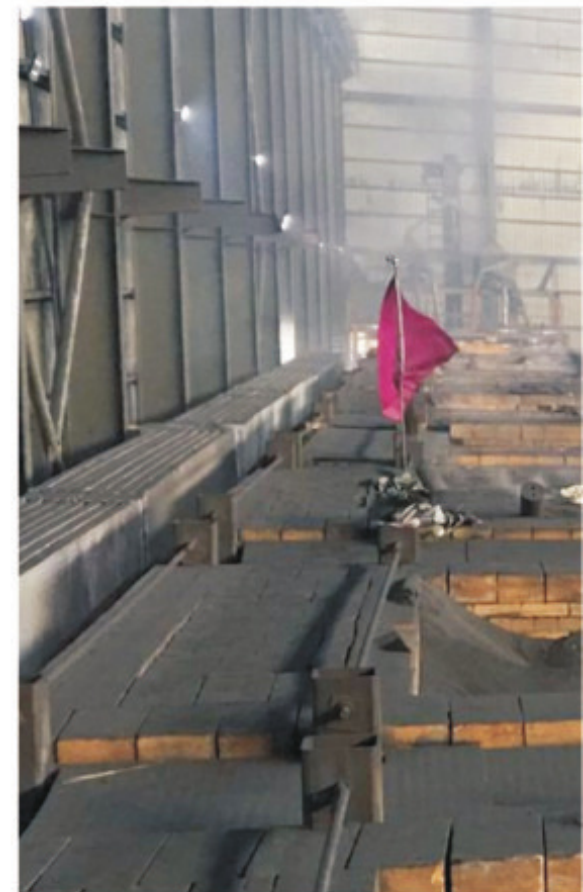
Item	SiC	Fe ₂ O ₃	Al ₂ O ₃	Free carbon	Moisture	Size (mm)
HQ-SiC-01	90% min.	1.5% max.	1.5% max.	3.5% max.	0.5% max.	1-10
HQ-SiC-02	98% min.	0.6% max.	0.6% max.	0.2% max.	0.5% max.	0-50

*Other sizes and specifications are available, please enquire.



OUR PLANTS

GPC production bases — annual production capacity up to 200, 000 tons



CPC production bases — annual production capacity up to 500, 000 tons





PACKING STORAGE LOGISTIC



OUR AWARDS



OUR PARTNERS

CPC of anode block clients :

- » Shandong Weiqiao Aluminum and Electricity Company ;
- » Sunstone Company
- » Pingyin AoHai Carbon Co.,Ltd;
- » Shandong Chenyang Carbon group Co.,Ltd ;

GPC clients:

- » SHAGANG Group;
- » Jiangsu Yonggang Group;
- » Rizhao Steel Holding Group;
- » Qingdao Iron & Steel Group;
- » TATA Steel Group (India)



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