



Panson New Material Technology

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Quality·Reliability·Progress



Panson New Material Technology





Panson New Material – Specialist for Carbon

Panson New Material Technology (NingXia) Co., Ltd. Was founded in 1992, located in ChongGang Industrial Park, Pingluo, Ningxia, China. Covering an area of 28,000 square meters, three pot type calcine furnaces, three numerical control screening equipment one numerical control coal washing equipment and more than 60 employees. The company's main products are anthracite based carbon additive, graphitized petroleum coke, calcined petroleum coke, ferrosilicon, silicon carbide, silicon manganese alloy and other alloy products. Since its establishment 30 years, the company has focused on carbon and alloy industry, we provide the best quality and provide best service to maintain long-term honest cooperation products for global customers, and has been recognized by our customers.

**OVER 35 YEARS
OF EXPERIENCE IN
THE MANUFACTURE
AND WORLDWIDE
DISTRIBUTION OF
GRAPHITE AND
RECARBURIZERS**





Foundry & steel industry

Grad \ spe	F.C (%)	Ash (%)	Moisture (%)	V.M (%)	S (%)	Size (mm)	Packing
Super Grade	> 95	< 4	< 0.5	< 1.2	< 0.25	As clients' demands	1mt big bag
1st Grade	> 94	< 5	< 0.5	< 1.2	< 0.25		
2nd Grade	> 93	< 6	< 0.5	< 1.5	< 0.3		
3rd Grade	> 92	< 7	< 0.5	< 2	< 0.3		
4th Grade	> 90	< 9	< 1	< 2	< 0.35		
5th Grade	> 85	< 14	< 1	< 2	< 0.35		

Recarburizers - an additive and an integral constituent of quality

Indispensable for perfect cast iron and steel products

The main areas of application for our recarburizers are grey, nodular and vermicular graphite cast iron. But our product range also includes the right qualities for the manufacture of high carbon steels:

- Synthetic graphite
- Electrode graphite
- Calcined petroleum coke
- Calcined anthracite
- Graphitised anthracite





**steel
manufacturing**

Grad \ spe	F.C (%)	Ash (%)	Moisture (%)	V.M (%)	S (%)	Size (mm)	Packing
Semi GPC	>98	<2	<0.5	<1	<0.25	As clients' demands	1mt big bag
GPC	>98.5	<1.5	<0.5	<1	<0.05		

Graphitized Petroleum Coke - the best carburizing agent for refining

It is widely used as a carburizing agent in high-quality steel, special steel sleeves and related metallurgical and foundry industries. It can also be used as an additive in plastic and rubber products.



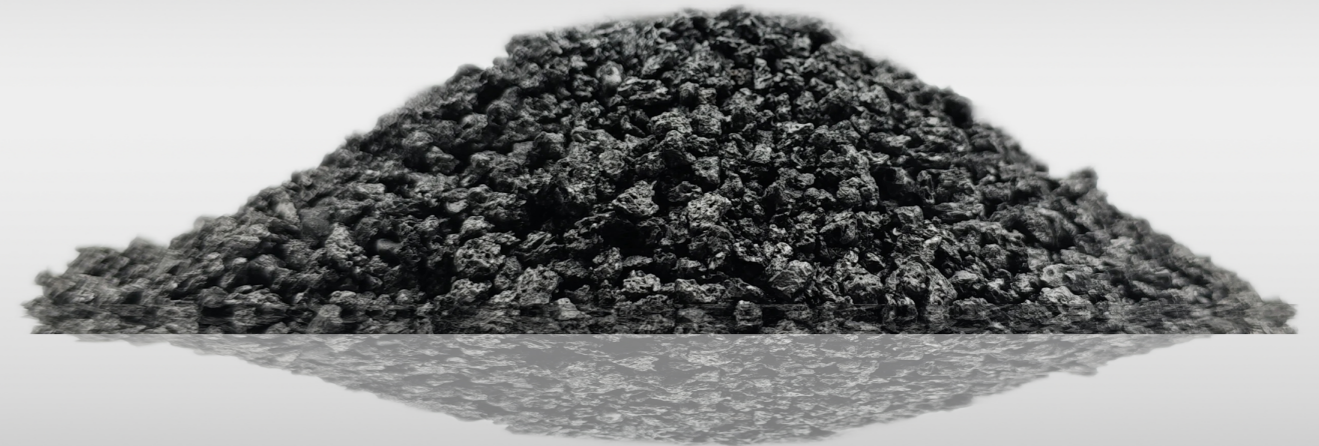


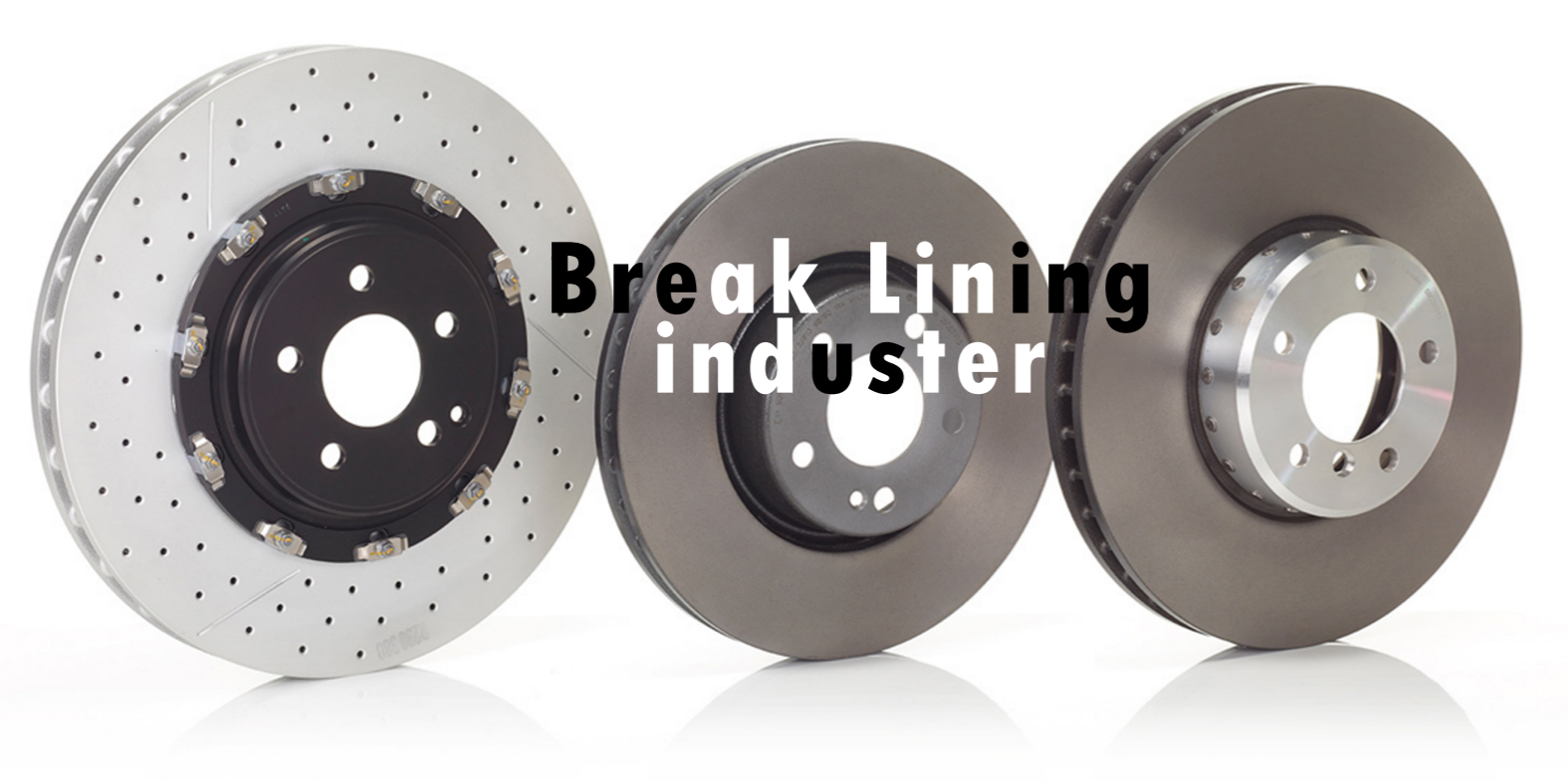
Aluminum factory & Found

Grad	spe	F.C (%)	Ash (%)	Moisture (%)	V.M (%)	S (%)	Size (mm)	Packing
	CPC	>98	<0.5	<0.5	<0.7	<3	As clients' demands	1mt big bag
	CPC	>98	<0.5	<0.5	<0.7	<2		
	CPC	>98	<0.5	<0.5	<0.7	<0.7		

Calcined Petroleum Coke- One of the main processes in the production of aluminum anodes

When making graphite electrodes for steelmaking or anode paste (melted electrodes) for aluminum and magnesium production, in order to make petroleum coke (green coke) meet the requirements, the green coke must be calcined





Grad	spe	SIC (%)	FC (%)	Fe2O3 (%)	S (%)	Size (mm)	Packing
	SIC 98	≥98	≤0.25	≤0.3	≤0.03	As clients' demands	1mt big bag
	SIC 97	≥97	≤0.3	≤0.4	≤0.04		
	SIC 95	≥95	≤1.0	≤1.0	≤0.05		
	SIC 90	≥90	≤2.2	≤2.8	≤0.08		
	SIC 88	≥88	≤2.8	≤3.5	≤0.10		
	SIC 70	≥70	≤8.0	≤3.5	≤0.25		

Silicon Carbide- As a high-performance material, it has broad prospects in future technological development and is expected to play a greater role in many fields.

Silicon carbide is produced by the quartz sand and petroleum coke at high emperature products,suitable for copper aluminum stone leather hard rubber and other low intensity of metal materials and nonmetal materials processing, can also be used as refractory material and electronic industry.



A photograph of a steelmaking process. A large ladle is pouring molten metal, creating a bright yellow and orange glow. A large amount of red sparks is being ejected from the ladle, creating a dense spray of light. The background shows industrial structures and scaffolding.

Steelmaking deoxidizer

	Mn(%)	Si(%)	P(%)	S(%)	C(%)
65-17	60	17	0.25	0.04	2.5
60-14	65	14	0.3	0.05	2.5

Silicon manganese- silicon-manganese alloy is the most important variety among ferroalloys, and it is also the most widely used and consumed variety.

Its demand accounts for about 50% of the total ferroalloy production. The raw materials in the upstream of the silicon industry chain are mainly ores and silicon ores. The former is mainly distributed in Guangxi, and the latter is mainly distributed in Qinghai and Ningxia. After mixing all the raw materials and producing manganese silicon through the electric furnace method, 85% of the manganese silicon is used in the steel industry.



Steelmaking deoxidizer

Grade	SI	Al	P	S	C	CR	TI	Packing
FeSi75A	74.0-80.0	-	0.035	0.02	0.1	0.3	-	As clients demands
FeSi75B	72.0-80.0	-	0.04	0.02	0.2	0.5	-	
FeSi65	65.0-72.0	-	0.04	0.02	-	0.5	-	

Ferrosilicon- It has some unique properties such as high hardness, high melting point, high magnetic permeability and good corrosion resistance.

Ferrosilicon is widely used in industry. One of the most common uses is as a deoxidizer and alloy additive in the metallurgical industry. Ferrosilicon can remove oxygen during the steel manufacturing process, thereby reducing the impurity content in the steel and improving the quality of the steel. In addition, ferrosilicon is also commonly used in the manufacture of cast iron, stainless steel, silicon steel, power transformer cores, etc.



**Advanced assembly line
operations,
low-emission environmental
protection equipment,
high-quality raw material
origin,
and efficient transportation
logistics**



Quality and expertise in all business areas

Our commitment to your company's success

Perfect end products only come from high-quality raw materials. This is the guiding principle that we fulfil for our customers on a daily basis. For this reason, we are only content when we have achieved the highest quality standards. We implemented and confirmed this aspiration in 1999 by means of a TUV certification in accordance with EN ISO 9001. Since 2007, we have also had a certified environmental management system in compliance with ISO 14001: 2004

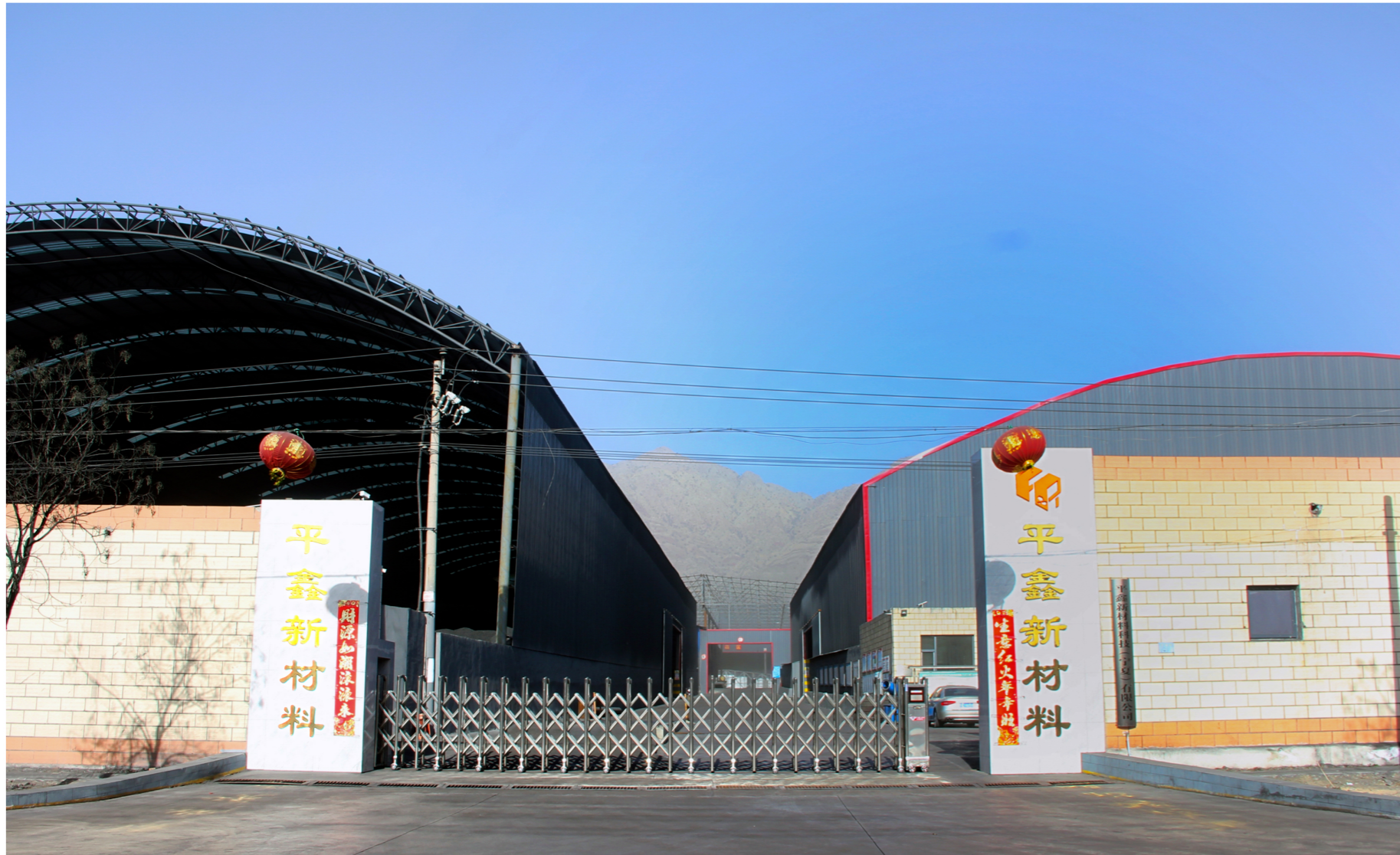
- Fully automated PLC-controlled production plants.
- continuous quality checks during production.
- modern analysis methods in the factory laboratories.
- and highly trained employees

enable this on an ongoing basis

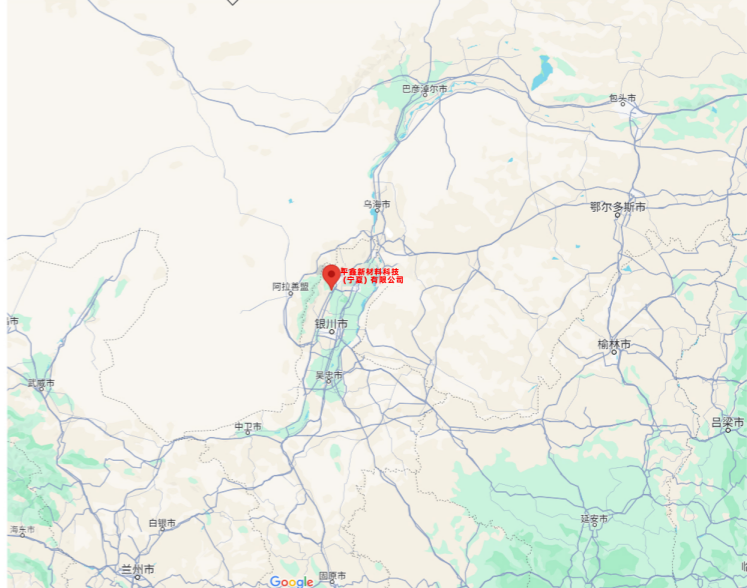


**LARGE WAREHOUSE
CAPACITIES PROVIDE
HIGH FLEXIBILITY
IN DELIVERY TIMES**





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