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Product
Brochure

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Iron-Carbon Micro-Electrolysis Fillers

Pingxiang Rongjian Environmental Protection Chemical Packing Co., Ltd



DIRECTORY

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Technical Features

- (1) Iron-carbon filler is made of iron, carbon, other metal catalyst activators and other raw materials by high temperature sintering.
- (2) The main function of iron-carbon filler is to reduce the COD and chroma of wastewater, improve the biodegradability of wastewater and create conditions for further treatment.
- (3) Iron-carbon spheres are also called micro-electrolytic fillers, and iron-carbon micro-electrolytic fillers. Iron-carbon filler is made of iron, carbon, other metal catalyst activators and other raw materials by high temperature sintering.



Product advantage

1. We have commonly used 2-3cm and 3-5cm products;
2. Our products use national standard iron powder as raw material, and will not produce odor when encountering acidic wastewater.
(Little knowledge: Iron-carbon filler made of "fine iron powder" contains a lot of sulfur. "Fine iron powder" means "iron powder made of iron ore", and "iron ore" contains a lot of sulfur. In acidic wastewater, hydrogen sulfide gas will be produced, which has a heavy taste.)

Product Specification

Material	Refined iron powder, refined coke powder, 5% metal catalyst, activator
Shape	Oval black sphere
Size	3-5mm, 6-8mm, 12-16mm, 14-18mm
Bulk Density (g/cm ³)	1.0-1.4
Specific Surface Area (m ²)	≥1.2m ²
Porosity	65%
Strength	≥3mpa
Fragmentation rate	<3%



Application Areas

1	Wastewater from electroplating, electronic circuit board, and metal smelting industries
2	Dyeing and printing wastewater, especially high-concentration printing and dyeing wastewater and liquids that are difficult to treat and remove color from
3	Leather production wastewater treatment
4	Electrophoretic coating wastewater
5	High-concentration, high-salt wastewater from fine chemical industries
6	Toxic, high-concentration organic wastewater from pharmaceutical and pesticide industries
7	Difficult-to-biodegrade wastewater from petroleum, coking, and coal chemical industries
8	Difficult-to-biodegrade wastewater from papermaking
9	Wastewater from various fermentation industries such as soy sauce, vinegar, and alcohol production
10	Wastewater containing sulfur and its heterocyclic organic compounds



Printing and dyeing industry



Power Industry



Papermaking industry



Smelting industry



Pharmaceutical Industry



Chemical Industry



Engineering Case

Especially designed for the treatment of high-concentration, high-toxicity, high-color, and difficult-to-biochemical wastewater, which can greatly reduce the color and COD of wastewater, and improve the biodegradability of wastewater.

Iron-Carbon Micro-Electrolysis Fillers Projects

- Case 1: **Pakistan Pharmaceutical Factory**



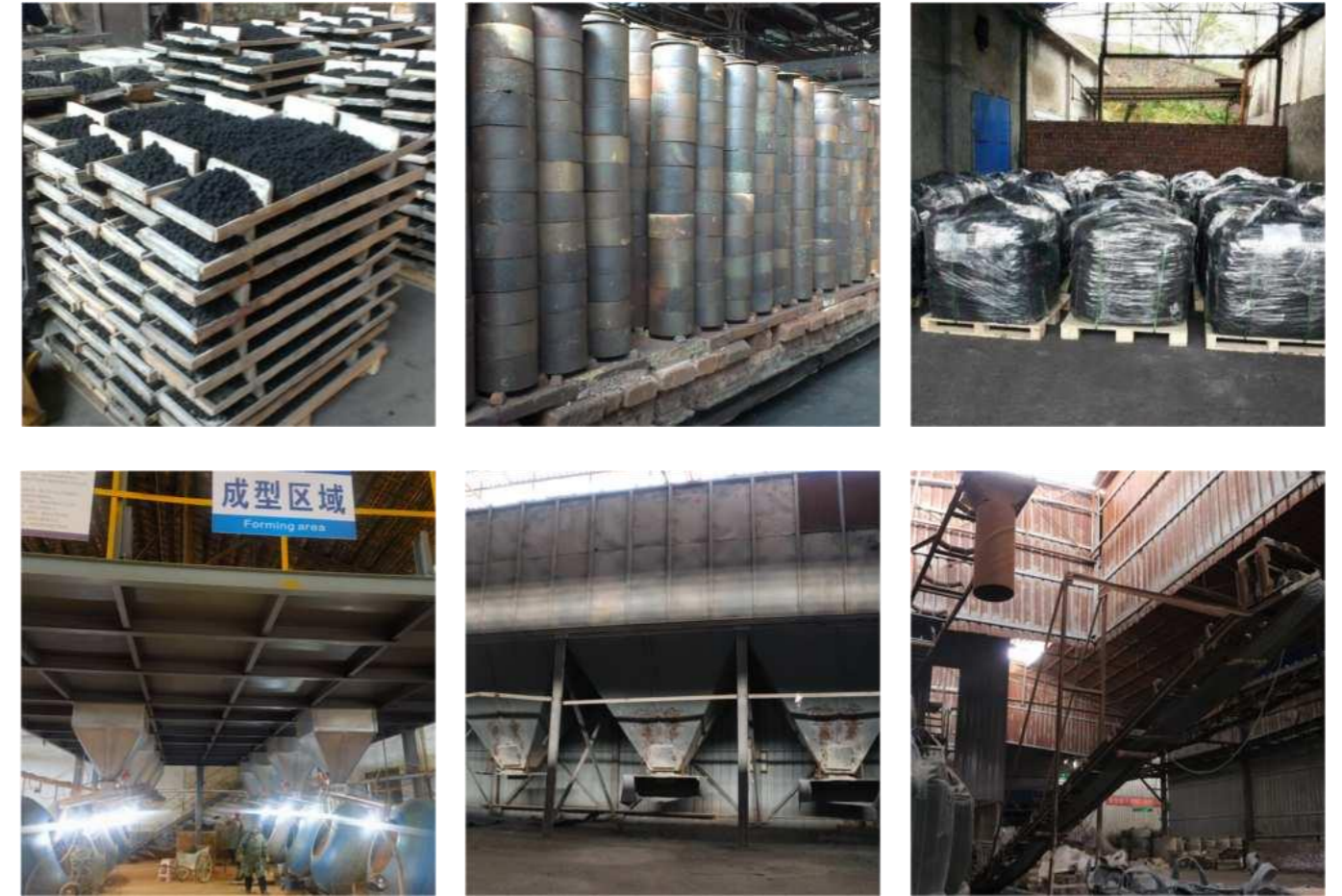
- Case 2: **Valencia, Spain** : Wastewater Treatment Plant and Interception Pipeline Network: Equipment Procurement and Installation Project.



- Case 3: **Moscow, Russia**: Wastewater Treatment at an Anti-corrosion Equipment Factory



Production Workshop



Proof of Qualification



ABOUT US



Company Profile

■ Pingxiang Rongjian Environmental Protection Chemical Packing Co., Ltd

Established in 2010, Pingxiang Rongjian Environmental Protection Chemical Packing Co., Ltd. is a high-tech enterprise specializing in the R&D, production, and sales of chemical packing and environmental protection materials. After 14 years of rapid development, the company has become a leading global supplier of industrial packing materials, with products exported to over 100 countries and regions. We employ more than 300 staff, including nearly 100 technical professionals, forming a highly skilled and experienced R&D and production team.