

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Carbonyl Iron Powder and Ultra Fine Iron Powder Market 2018, Forecast to 2023

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Abstracts

Iron powder is formed as a whole from several other iron particles. The particle sizes vary anywhere from 20-200 m. The iron properties differ depending on the production method and history of a specific iron powder. There are three types of iron powder classifications: reduced iron powder, atomized powder, and electrolyte iron powder. Each type is used in various applications depending on their properties. There is very little difference in the visual appearances of reduced iron powder and atomized iron powder.

Carbonyl iron is a highly pure (97.5% for grade S, 99.5+% for grade R) iron, prepared by chemical decomposition of purified iron pentacarbonyl. It usually has the appearance of grey powder, composed of spherical microparticles. Most of the impurities are carbon, oxygen, and nitrogen.

Ultra Fine Iron Powder, in our report, refers to iron powder's particle size is smaller than 10 μ m. Ultrafine iron powder has smaller particles, which has a very good electrical magnetic optical effect. This not only affects the sintering properties of the material, but also the final physical properties of the material. Ultrafine iron powder is widely used in the field of electromagnetic shielding & powder metallurgy.

Scope of the Report:

This report focuses on the Carbonyl Iron Powder and Ultra Fine Iron Powder in global market, especially in North America, Europe and Asia-Pacific, South America, Middle

East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

The production process of carbonyl iron powder (CIP) was discovered by BASF in 1925. Currently, there are only a few countries that are able to produce carbonyl iron powders in the world, which mainly include Germany, China, America and Russia. According to the data, the carbonyl iron powder production in the world in 2016 was 18 K MT.

Leading players in carbonyl iron powder (CIP) industry are BASF, Jiangsu Tianyi, Jilin Jien and Sintez-CIP. Among them, BASF is the tycoon of CIP with 12000 MT capacity in 2016.

At present, China is the major CIP production and consumption region. Besides, the annual output will continuously increase. With the increasing market demand of carbonyl iron powder, researchers in China have made a lot of researches and efforts. Therefore, the quality of carbonyl iron powder that is produced by China's enterprises will be equally matched with BASF SE in Germany. Although BASF SE still monopolizes the global carbonyl iron powder market, the manufacturing technology of carbonyl iron powder in China has constantly become mature in recent years and the capacity has continued to increase, therefore, the market shares will continuously increase in the future and will in turn influence the market share of BASF SE.

The global carbonyl iron powder and ultra fine iron powder market size will increase to 179 million USD in 2017, from 187 million USD in 2012, it is estimated that the global carbonyl iron powder and ultra fine iron powder demand will develop with a CAGR of 0.66% in the coming six years.

The worldwide market for Carbonyl Iron Powder and Ultra Fine Iron Powder is expected to grow at a CAGR of roughly 0.7% over the next five years, will reach 190 million US\$ in 2023, from 180 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

BASF

Sintez-CIP

JFE

Jiangsu Tianyi

Jilin Jien

Jiangxi Yuean

Shanxi Xinghua

Jiangyou Hebao

Jinchuan Group

Gripm

CNPC Powder

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Carbonyl Iron Powder

Atomized Ultra Fine Iron Powder

Others

Market Segment by Applications, can be divided into

Powder Metallurgy

Electronics Industry

Diamond Tools

Military Industry

Food and Drug Industry

Others

There are 15 Chapters to deeply display the global Carbonyl Iron Powder and Ultra Fine Iron Powder market.

Chapter 1, to describe Carbonyl Iron Powder and Ultra Fine Iron Powder Introduction, product scope, market overview, market opportunities, market risk, market driving force; Chapter 2, to analyze the top manufacturers of Carbonyl Iron Powder and Ultra Fine Iron Powder, with sales, revenue, and price of Carbonyl Iron Powder and Ultra Fine Iron Powder, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Carbonyl Iron Powder and Ultra Fine Iron Powder, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Carbonyl Iron Powder and Ultra Fine Iron Powder market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Carbonyl Iron Powder and Ultra Fine Iron Powder sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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