

China Nano Metal Powder Industry Report, 2016-2020

Sep. 2016

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

The global nano metal powder industry develops slowly in a relative sense, let alone leading enterprises or massive commercialized application. At present, the overall yield is not high, at around 2,000 tons, which is mainly related to a short supply and high prices brought on by high technical requirements on nano metal powder.

After decades of research and development, China has achieved independent supply of some nano metal powder like Cr, Ni, Ag, and Fe, with the output accounting for 4-6% of the global total. While improving production technology, the country is also actively studying and expanding the downstream demand. Apart from the military need, China has seen commercial operation in the civilian market segments, such as 3D printing, catalyst (QSI's nano iron has been applied in synthetic ammonia project of Haohua-Junhua Group), and thermal spraying (Nano chrome of Siping Gao Sida Nano Material & Equipment is adopted by thermal spraying enterprises like MECOM Industries).

At present, China's independently-developed nano metal powder technology and capability are relatively limited, and product quality remains to be improved. Overall, however, we project that in 2015-2020 China's nano metal powder market size will grow at a compound annual rate of some 25%, to an estimated over RMB18 billion by 2020.

Currently, there are more than 300 nanotechnology companies in China, but most of them are startups and have no mature technology (including in preparation and downstream application). They gain meager profits or are in the red. And there are only more than 10 enterprises in China that are engaged in production and research of nano metal powder, of which those that supply nano metal powder are even much rare.

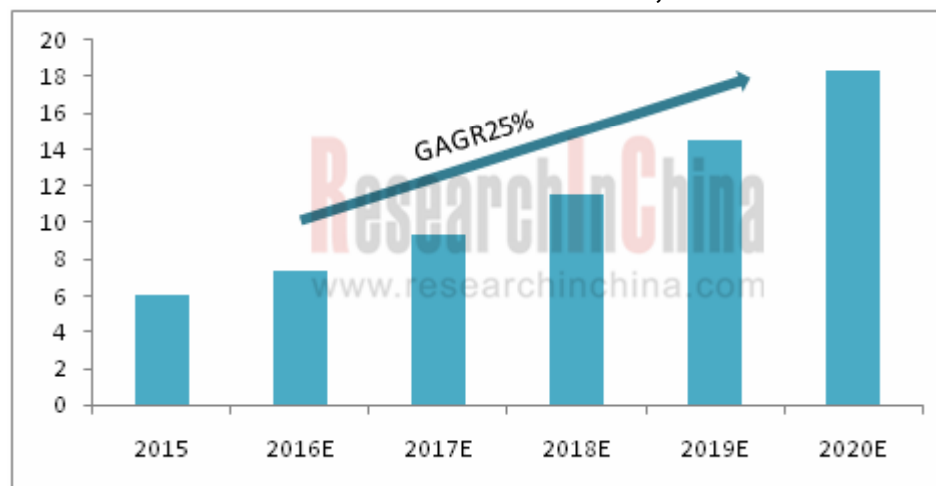
Siping GaoSida Nano takes the lead in China's nano metal powder industry, but with its annual revenue only RMB60-80 million. However, its gross margin is quite high, at over 40%. At present, the company is striving to make footprint in the whole industry chain of nano metal powder industry: equipment manufacturing -- nano metal powder -- surface thermal spraying. The products have been recognized by such customers as Chinese Academy of Sciences and MECOM. In future, revenue and profits are expected to rise. But the company has no professional management and sales teams, thus affecting its rapid development.

Hefei Kaier Nanometer Energy & Technology Co., Ltd. leads the industry in both revenue and profits, with the revenue of RMB70 million to RMB90 million and an approximately 35% gross margin. But the revenue mainly comes from non-metallic nanomaterials. The company has a stronger R&D team, engaging Prof. Zhang Lide, China's chief scientist in nanometer materials as head adviser and setting up a research institute. While developing non-metallic nano compound, the company is also working to develop high-quality nano metal powder products and how to apply them in downstream markets.

The report is primarily concerned with the following:

- ⇒ Overview and competitive landscape of the global nano metal powder industry;
- ⇒ Policy environment, market status, competitive landscape, market price, and development prospects of the Chinese nano metal powder industry;
- ⇒ Development of downstream sectors (catalyst, 3D printing, radar-absorbent material) of the Chinese nano metal powder industry;
- ⇒ Product mix, operation, etc. of four global and 11 Chinese major nano metal powder companies.

Chinese Nano Metal Powder Market Size, 2015-2020E



Source: ResearchInChina

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