

April 11<sup>th</sup>, 2011

Nippon Steel & Sumikin Metal Products Co., Ltd.

Continuous casting powder manufacturing equipment expansion for Subsidiary in China

Nippon Steel & Sumikin Metal Products Co., Ltd. (Representative Director and President: Kiichiro Masuda) announces the expansion done for continuous casting powder manufacturing equipment of Shanghai Nikken Dazhong Refining Steel Material Co., Ltd. (Shanghai Nikken, Location: Baoshan district, Shanghai), its subsidiary in China.

Continuous casting powder is used inside the mold of continuous casting machine, which is the process to solidify steel at steel mill, and is also called the mold additive. It is a very multifunctional powder/granulation product, providing many positive effects such as the following:

- Operation stabilization by flowing in between mold and slab, working as lubricant.
- Slab surface quality improvement by optimizing slab heat removal.
- Slab interior quality improvement by absorbing inclusions etc.
- Antioxidation and heat insulation of molten steel inside the mold.

Spray dryer made granulation type product is becoming the major to improve working condition.

Recently, crude steel market in China has extremely expanded to annual production of 600 million tons. Demand for high-class steel, such as stainless steel, heavy metal sheet and automotive steel sheet etc. (materials with strict requirements for slab surface and interior quality of slab) has also grown, leading to demand for innovation in continuous casting powder, which directly affects the steel quality. To capture and meet such demand, we have doubled the production capacity by equipment expansion in Shanghai Nikken.

Shanghai Nikken was established in 1997 and is manufacturing and selling 8,000t of continuous casting powder annually for domestic use and export towards Japan. This time we have installed one more spray dryer adding it up to total of 2, doubling the annual productivity to 20 thousand tons. This is to intensify Shanghai Nikken as the base to provide powders for Chinese market, especially for high-class products.

We are projecting to build up a structure to cope with not only Chinese market but the whole Global market including Asia, by cooperating with existing continuous casting powder manufacturing base in Japan.

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(Company Profile)

Company name : Shanghai Nikken Dazhong Refining Steel Material Co., Ltd.  
Location : Luo Ning Rd 2075, Baoshan District, Shanghai  
Business description : Manufacturing and selling of continuous casting powder etc.  
Establishment : May, 1997  
Capital : 6.9 million USD  
Shareholders(Investment ratio) : Nippon Steel & Sumikin Metal Products Co., Ltd.  
76.1%、Nippon Steel Trading Co., Ltd. 16.27%、2 other companies  
Chairman : Hidehisa Taniguchi  
General Manager : Takashi Yoshimitsu  
Employee : 74 personnel

(Please contact the following for any inquiry)

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【Complete view of Shanghai Nikken Dazhong Refining Steel Material Co., Ltd.  
(2 Spray dryers)】



【Shanghai Nikken Completion Marking Ceremony :

Congratulatory speech by Mr. Kotani (Senior Managing Director of NSMP)】



**Shanghai Nikken Dazhong Refining Steel Material Co., Ltd.**

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