

Indonesia 300,000 t/a Nickel slag Model Production Line Go into Operation

The 1st industrial waste grinding production line on international market of Xinxiang Great Wall Machinery. 60 years focus on research, development and manufacture of grinding mills. Over 100 domestic model grinding projects.

Trustworthy

Cooperation general situation

2015, November.
contract signing

2016, May.
Civil engineering finished

2016, May.
Equipment delivery

2016, June.
Installation finished

2016, July.
Commissioning work and start-up

It is the updated version(2.0) of turn-key project of Xinxiang Great Wall Machinery Corporation. The GRMS33.31 vertical mill was installed in the project. The successfully start-up of this project solved the pollution of nickel waste pills in Indonesia, and final production also can be admixture, which widely used in cement and concrete market, so as to reduce the cost of cement.

[Read more](#)

Installation site



Processing flow

STEP 1

The piled nickel slag was fed by forklift and conveyed by belts.

STEP 2

In the process of conveying, nickel slag materials is de-iron and screened by a separator and vibrating screen, and then trans to vertical mill through weighing equipment and hoist.

STEP 3

The milled slag is concentrated by vertical mill separator, and dried by the hot air introduced from hot stove.

STEP 4

Dust collector collects all the qualified nickel slag particles, trans to storage silo by air chute and hoist.

STEP 5

The bigger particle size is conveyed back to vertical mill and re-grinding until its fineness is qualified.

Process flow diagram



The advantage of project

Technical advantage



Brand advantage

The lake blue color production line represents the conception of environmental harmony.

The former machines, manufactured by Xinxiang Great Wall, were painted on majestic industrial grey. But along with industrial development and regulation and more and more requirement of environment, the lake blue is painted as the main color on the equipment of the updated slag grinding plant. It represents the good wish between manufacturing and environment, and brand conception of "The Blue sky, Start from Great Wall Machinery".



The first EPC case of "1 vertical mill plus 8 extra service" to make sure the clients



Rest-assured in choosing



Worry-saved in operating



Satisfied with the service

Other cases



GGBFS Grinding Plant

1,500,000 tons annual industrial slag project for Shanghai Bao Steel
Raw material: slag, steel slag
Capacity: 1,500,000 tons annual
Equipment List: belt conveyors, GRMS46.41 vertical mill, steel slag ball mill, bucket elevator, dust catcher, final product silo, accessories.
Introduction: Shanghai Bao Steel is the largest steel company in China, who is also the setter of steel slag powder standard. The cooperation between Bao Steel and Xinxiang Great Wall proves that Great wall machinery is highly recognized in the waste slag grinding industry in China. Besides, this project is also the largest waste slag recycling project in China.

Steel slag grinding plant

300,000 tons annual slag grinding project for Xu Steel Group
Raw material: steel slag
Capacity: 300,000 tons annual
Equipment List: belt conveyors, GRMS33.31 Vertical mill, bucket elevator, dust collector, final product silo, accessories.
Introduction: the first case of vertical milling technology used for steel slag grinding.



Nickel slag grinding plant

600,000 tons annual waste slag grinding plant in Henan
Raw material: nickel slag
Capacity: 300,000 tons annual *2
Equipment list: belt conveyors, GRMS33.31 vertical mill*2, bucket elevator, dust catcher, final product silo.
Introduction: Xinxiang Great wall machinery built the first nickel slag grinding plant with capacity of 300,000 tons annual in the year 2012. At that time, it is rare to find this kind of plant in China. Later, it is proved the granulated nickel slag are with high quality & activity. Then be applied in projects like south - to - north water diversion project. Xinxiang Great Wall Machinery built the second line in the year of 2014, which is running well too.

Extensive Knowledge

The industrial waste slag is the by-products while steel production, mainly includes:

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