

Prospects of Slag Powder Industry

According to statistics, the steel industry produces about 170 million tons of solid waste each year, and a large amount of solid waste occupies a large amount of arable land, destroys the ecological balance and pollutes the environment. The processing and utilization of slag powder can not only effectively use industrial solid waste and turn waste into treasure, but also reduce the land occupation of slag, which promotes the reduction of environmental pollution and has broad market prospects.



Real shots of a project in Guangzhou

Slag powder refers to a powdery product obtained by superfine grinding of water-quenched slag discharged from the iron-making blast furnace. Incorporating cement or concrete in a certain proportion can significantly improve the overall performance of concrete and cement products. Moreover, the production cost of slag powder is low, and the sales price is lower than the price of cement. It is a high-quality raw material for high-performance concrete. It is suitable for large-scale commercial concrete mixing plants and has good economic and social benefits.

Piles of slag are taken and fed by the forklift truck, and conveyed by a belt conveyor. During the process of conveying, slag raw material will be iron-removing and screening through magnetic separator and vibrating screen, and then go to the weighing cabin and elevator and enter into the vertical roller mill for grinding process. The ground granulated slag powder is drying by the hot air supplied by hot blast furnace, and with the help of hot air, the powder selecting is made in the separator. The qualified slag powder particles will be collected by bag dust collector, then conveyed to and stored in the silos by the air slide and elevator.





Dust Collector

At present, most steel companies at home and abroad have built slag powder production lines, either individually or through cooperation. The traditional Portland cement produced by many strong countries in the world's cement industry has gradually been replaced by type II cement with a large amount of slag. The use of slag powder is increasingly recognized.

CHAENG can undertake EPC turnkey services for slag (Slag product applications) / steel slag / nickel slag / manganese slag powder production line with an annual output of 200,000-1,500,000 tons. So far, we have successfully supplied more than 100 GGBFS production line at home and abroad and have won good popularity and reputation.



Slag Grinding Production Line

If you want to know anything about the slag grinding plant, please feel free to consult online. CHAENG will provide you with the sincerest service and advice.

