

Vertical Roller Mill in Cement Plant

As an important green building material, high-performance cement has excellent mixing properties, mechanical properties, and durability. It is of great significance to improve the quality of the project, increase the life of the project, and reduce the overall cost of the entire life cycle of the project. So, how to promote the energy-saving of concrete buildings while producing high-performance cement?



Figure: Unground Slag



Figure: Grinded Slag Powder

According to the person in charge of a well-known slag powder research center, slag powder and steel slag powder are both excellent concrete admixtures. 10-35% of finely ground slag powder is added to the concrete, and 0-20% of finely ground slag powder is added to the concrete. Steel slag powder and 0-9% silica fume replace 10-50% of cement. The total amount of cementitious material



is 380-550 kg/m³. C20-C60 concrete can be configured. The concrete produced by this technology is not only strong in performance but also "Turning waste into treasure" improves the level of comprehensive utilization of solid waste resources.



Figure: Slag Production Line

CHAENG Vertical Slag Mill is applied to the construction of GGBFS production line, includes steel slag, nickel slag, manganese slag, and metal ore vertical mills, which can process cement raw materials, clinker, slag, steel slag, fly ash, coal and non-metallic ores, and it is the most ideal production equipment for various industrial waste slag powder.

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, CHAENG has established successfully more than 100 slag production lines in the world. If you are interested in the slag powder project, welcome to consult online, we will provide you with the most complete service.

