

## Slag Grinding Process

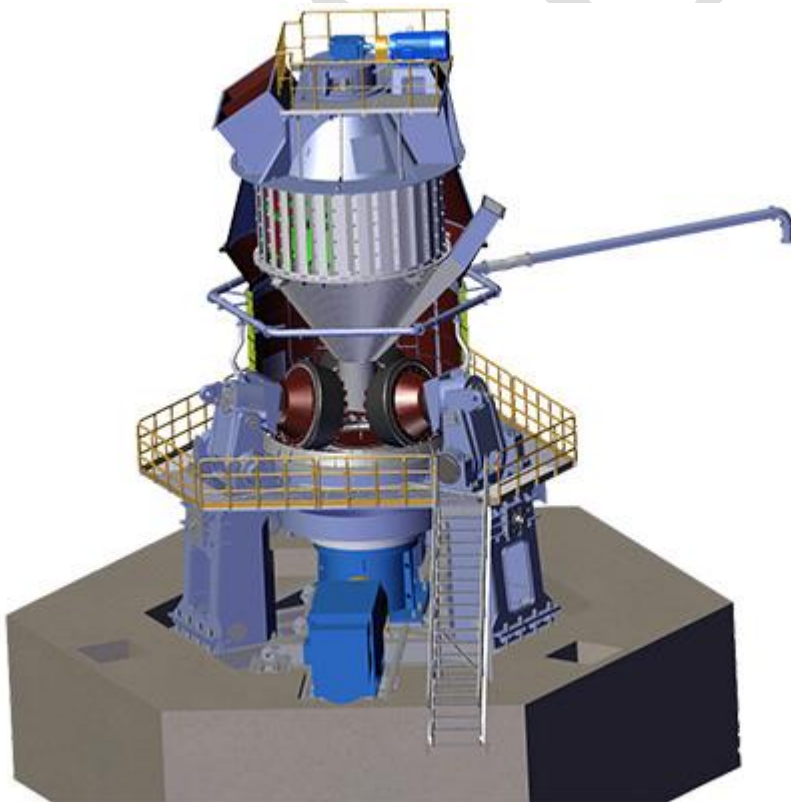
Slag is the main waste in the iron and steel industry, and the slag powder formed after grinding has high economic benefits. However, many companies have not yet realized this, and hope that by introducing the **slag grinding process**, everyone can increase their awareness and don't miss this opportunity.

At present, the common production technologies of slag powder mainly include vertical mill grinding, ball mill grinding, combined roller press and ball mill grinding, etc.

### 1. Vertical Roller Mill Grinding

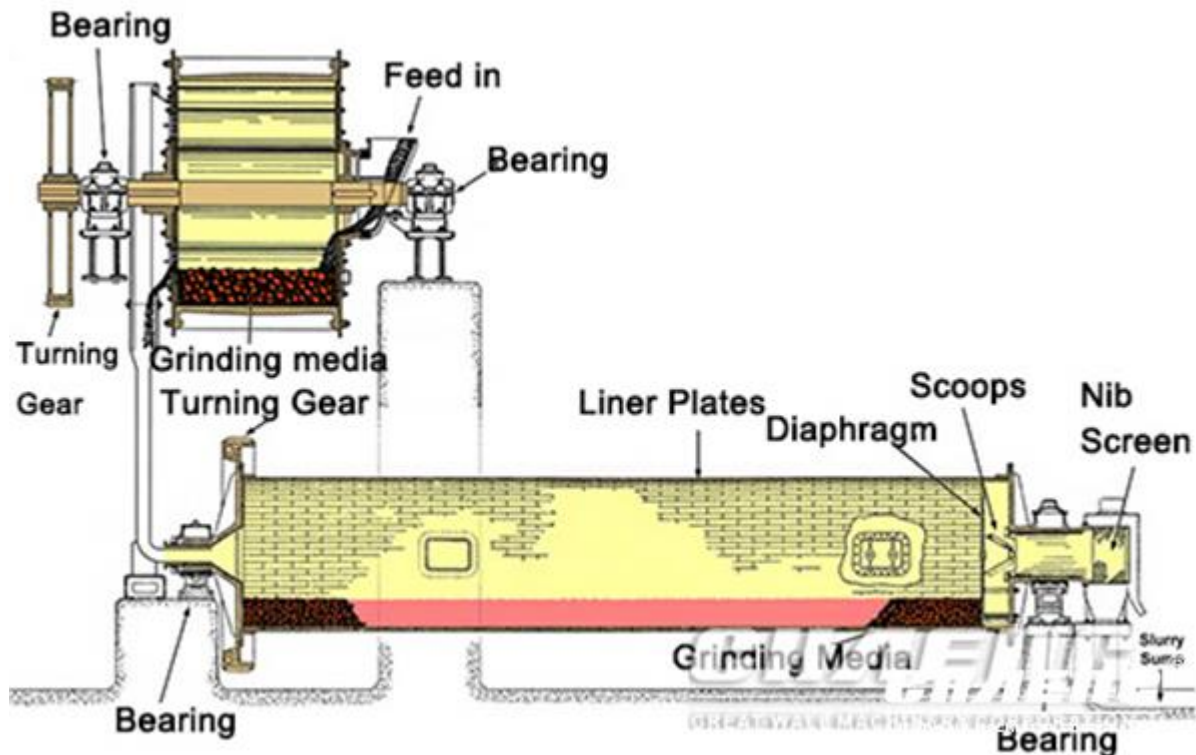
The piled slag is picked up and fed by a forklift, and transported by a belt conveyor. During the conveying process, the slag raw materials are successively de-ironed and sieved through the iron remover and vibrating screen, and then enter the slag vertical mill through the weighing equipment bin and the elevator for grinding. The ground slag is sorted through a powder separator with the help of hot air provided by a hot air stove and dried at the same time. The slag powder that meets the fineness requirements is finally transported to the dust collector for collection and storage and then enters the finished product warehouse by air conveying chute and elevator for storage.

The vertical mill has a simple process flow, less system equipment, small floor space, convenient equipment maintenance, and the activity of the produced mineral powder fully meets the requirements.



## 2. Ball Mill Grinding

The ball mill slag grinding process mainly includes open-flow and loop-flow production processes. The open-flow process is to grind the dried slag through a ball mill and collect it through a dust collector to obtain slag powder. The process is simple, but it is easy to over-grinding. The loop-flow production process is that after the ground slag is selected by the concentrator to select qualified products, the coarse powder continues to return to the ball mill for grinding, and the circulatory process can reduce the phenomenon of over-grinding.



## 3. Combined grinding process of roller press and ball mill

The combined grinding process refers to the use of a roller press and a ball mill to form a combined grinding process. This process makes full use of the advantages of the roller press with high crushing efficiency and low energy consumption, as well as the advantages of the ball mill with large processing capacity and uniform particle size, which effectively avoids over-grinding, but a piece of separate drying equipment is needed to dry the raw materials.

CHAENG can undertake EPC turnkey services for slag powder production line with an annual output of 200,000-1,500,000 tons. The integrated vertical milling system, pioneered by CHAENG that has successfully built more than 100 mineral slag, steel slag and nickel **slag grinding lines** at home and abroad, can deal with all the slag mentioned above.

If you want to know anything about the slag powder process, please consult online or just leave a message, we will provide you with the most complete service!

