

## How to improve the output of cement mill?

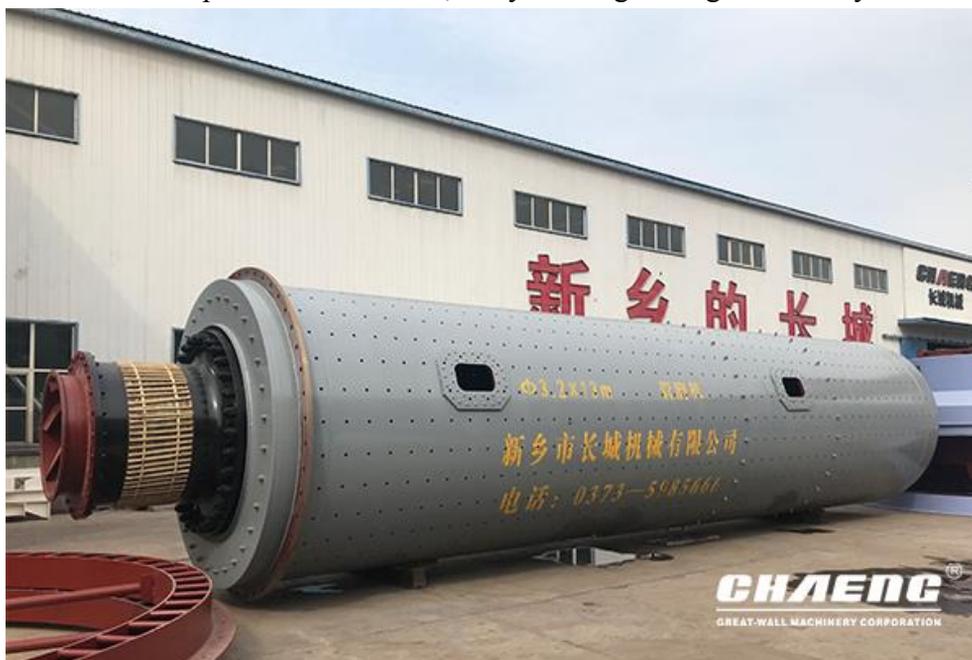
**Cement ball mill** is widely used for cement clinker powder and other materials. Energy-efficient is a topic of concern by customers, in reality, there are many factors that affect the production of cement mill, as we mentioned below:



1. the grinding process: if we don't consider pre-crushing, the grinding process can be divided into open and closed process flow, under the same conditions, the output of the latter was about 20% -30% than the former, after the implementation of the new standard, the sieve residue required for cement grinding is greatly reduced, and the cement for circular flow grinding also requires a higher surface area. Therefore, a high open circuit grinding cement strength advantage is not so obvious, recommended by the conditions cement, try using the circuit grinding process, to avoid the phenomenon of over-grinding of open flow, but also to ensure the mill energy-efficient.
2. Water content: water directly affects the material standard ingredients and mill output and power consumption, first of all, due to the impact of feed material moisture uniformity, material moisture high caused uneven and feeding, and second of all, because the wet material is fed too much, it may cause the ball mill paste, paste liner occurs, even "full mill 'was forced to stop turning, in general, into the mill material integrated water every 1% increase in mill output will be reduced by 8% to 10%, when the water is greater than 5%, dry grinding mill will not be working.
3. The size of materials: dry grinding mill due to the material energy utilization rate is only 2% to 3%, so it should be 'more broken less ground, with the ground-breaking pre-meal process, so that a substantial increase in the production mill, powder grinding power consumption decreased significantly better yield energy savings.



4. Finished grinding surface area requirements: whether **raw material grinding** or cement grinding, the fineness of the finished product is different, the yield of grinding also totally different.



The high-efficiency and energy-saving ball mill equipment produced by Xinxiang Great Wall Machinery Company is a new type of equipment modified on the basis of traditional ball mills. Changing the original mill structure can reduce energy consumption by 30% and increase processing capacity by 15%-20%, it is widely used in cement, building materials, mining and other production industries. If you have any needs, welcome to CHAENG to visit or consult!

