

What equipment is needed to build a limestone grinding production line?

The main component of limestone is calcium carbonate, which plays an important role in industry. Limestone can be processed into quicklime or slaked lime, used as desiccant, disinfectant, absorbent, etc., and is very important in industrial production such as rubber, toothbrushes, glass, and steelmaking. The content of limestone in nature is very high, and the mining cost is low, before being used in other industries, the mined limestone needs to go through a series of processes such as crushing, screening, separation, grinding, and classification by mechanical equipment to obtain finished products. So what important equipment are needed to build a lime grinding production line?



1. Jaw crusher

First of all, the raw material of limestone needs to be initially crushed by a jaw crusher, the jaw crusher has stable performance and large crushing ratio, which can crush materials with relatively large lumpiness and hardness. It is very suitable for first coarse crushing of limestone.



Tel.: 86-371-55019878

Web: www.chaeng.co

Email: vip@chaeng.co

863 Software Park, Cuizhu Street, Hl-tec District
Zhengzhou City, Henan Province, China



2. Impact crusher

After the first coarse crushing, can choose an impact crusher for further fine crushing. The impact crusher has good fine crushing effect, adjustable discharge size and low energy consumption, the feeding capacity and processing capacity can fully meet the production needs of users.



3. Limestone Vertical Roller Mill

The vertical roller mill is the main equipment of the limestone grinding production line. It integrates crushing, conveying and grinding, which greatly reduces grinding power consumption, grinding noise and civil construction investment, and ensures the specific surface area of the finished product can be in the range of 400~550 m²/kg, dust emission in line with national standards, is currently one of the equipment widely used in large-scale chemical grinding systems.



4. Dust collector

As an important equipment for the collection of finished products in the limestone grinding production line, the dust collector has relatively high technological requirements. The dust collector of CHAENG adopts PLC microcomputer program control instrument, which has high degree of automation and less secondary dust, environmentally friendly and energy-saving.

If you want to learn more about this production line, welcome to CHAENG for consultation. We can not only provide you with a customized limestone grinding production plan, but also recommend suitable limestone vertical mill for you. If you are interested in this, you are welcome to consult our technical personnel online or you can visit our factory directly, we will serve you wholeheartedly!

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