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Cement quarry application by Ballmill

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In general, Portland cement is the main production of cement industry. Portland cement is kind of meticulous powder, usually gray, which consists of calcium (from limestone), silicate, aluminate (clay) and ferrite. Limestone is the main raw material of cement production; most factories are located in the vicinity of limestone quarries in order to minimize transportation costs.

Cement Crushing Equipment

Usually we extract raw materials (limestone, shale, silica and pyrite) by blasting or by using cut-off equipment. Raw materials are sent to the crusher to be crushed or hammered into fragments. Usually Primary Crusher is Jaw Crusher while Cone Crusher and Impact Crusher works as secondary crusher.

Cement Mill

In the Raw Mill plant, we use vertical grinding mill and Ball Mill for cement further grinding. At this stage, Vertical Mill works by using the pressure of cylinder leakage to break the materials; ball mill is dependent on the steel ball grinding upon materials. Grinding Equipment works with higher capacity and saves energy greatly by using an electrical automation system which optimizes the grinding process.

Apart in the Raw Mill plant, ball mill is also widely applied in the clinker grinding process. Here the cement clinker is grinded into fine powder together with other raw materials, such as gypsum.

Primary crusher:

For cement primary crushing, we recommend Jaw Crusher to you. With simple structure and high quality, Jaw Crusher works with higher capacity and lower cost.

Secondary crusher:

For cement secondary crushing, you can choose CS Series Cone Crusher or Impact Crusher. Although their working principle is different, both the crushers are widely applied as secondary crushing equipment. You can choose right one according to your requirement. Get Mineral Processing,rotary kiln,beneficiation From http://www.ballmill8.com

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