

## Raymond Grinding Mill for Travertine Powder Making



Travertine is a kind of porous rock whose powders can be ground and prepared by grinding mill. As a deposit of calcium carbonate, travertine is mainly applied in the decoration of the exterior wall of the building, the interior floor and the wall. Travertine is mostly cream-coloured, which gives people a sense of gentleness. It is used by many architects around the world due to its rich texture and clear stripes.

### Advantages :

- ① It is a kind of building stone with wide application due to uniform lithology, soft texture, low hardness, easiness of being mined and processed, light specific gravity (density) and easiness of transport;
- ② It is an excellent material for building decoration and can be used for deep processing for it is not only easy to process, but it can also insulate sound and heat.
- ③ It is used as engraving materials and shaped materials due to high adaptability to process, small hardness, and easiness of engraving.
- ④ It has good decorative properties because it is rich in color, unique in texture, and with a special structure of hole. At the same time, it is also a kind of good material for garden stones such as bonsai, rockery etc., due to characteristics such as natural hole and beautiful texture.

As the application scope of travertine is wider, the demand for travertine is increasing. Presently, HCQ Reinforced Grinding Mill manufactured by Guilin Hongcheng is optimal for the processing of travertine. This is a new grinding mill which is technically updated, which is suitable for grinding all kinds of non-flammable and non-explosive materials with Mohs hardness below 7 and humidity below 6%.

**Advantages and features:**

- ① Maintenance-free grinding roller assembly and new structure of spider-arm are adopted. The reliability of running is higher and maintenance is convenient.
- ② The design is advanced and reasonable, because the grinding ring can be replaced without dismantlement.
- ③ **High yield:** This model is upgraded on the basis of the R-type grinding mill. Consequently, the configuration is more reasonable and the capacity is higher.
- ④ **High accuracy of classifying:** Turbine classifier with large blade is adopted, and the fineness of finished product can be adjusted freely between 80 mesh and 400 mesh.
- ⑤ **Large capacity of conveying :** High-pressure centrifugal fan is adopted. Air volume and wind pressure are increased, which greatly improves the capacity of pneumatic conveying.
- ⑥ **The lifting shovel can lift a big amount of materials:** Materials are fed into the place between grinding roller and the grinding ring at the maximum rate by the new and super-large blade.