

How Do You Choose a Stone Crusher

Before we present the selection process for stone crushers we must first gain an in-depth knowledge of the most popular stone crushers. This will allow all to select in the future. The most commonly used stone crushers include jaw crushers, cone crushers, impact crushers as well as fine crushers.

1. Jaw crusher

Jaw crushers are typically utilized in the first breaking stage of the production line. It is ideal for medium and coarse crushing of various ores with the compressive strength not more than 300Mpa and big materials. It belongs to the principle of squeeze crushing. It is reliable and has the capacity to crush large quantities. [Browse around here](#) to find out additional resources about mill liners foundry.

2. Cone crusher

Cone crushers are typically used in the fine crushing phase in the manufacturing line. It is ideal to crush fine and medium-grained ores with medium hardness and above. The production capacity is high however the size of the final product is small. An overload protection device can allow objects from outside as well as iron blocks to pass through the crushing chamber without causing any damage to the machine.

3. Impact crusher

Like the cone crusher, the impact crusher can be used for the fine crushing of material. It is a percussive crusher which is more suitable for soft materials with sides less than 500mm and compressive strengths of less than 350MPa. It is characterized by a fine grain structure with a cubic shape, and smaller amounts of stone powder.

4. Fine crusher

Fine crushers are also called the split hammer-head crusher. Fine crushers fall under the percussion crushing principle that blends the advantages of different crushers and is characterized by energy saving, environmental protection, and good grain shape. This crusher is suitable for fine and medium crushing of soft material such as weathered rocks, dolomite and shale soil.

Which is the most efficient stone crusher to use? And how do you decide?

While the four types of rock crushers can all be used in a simple manner but each one has its own benefits and different equipment performance. So, it's recommended to choose the best one for your needs.

If your manufacturing line isn't equipped with the equipment to crush rough material and you want to use the jaw crusher.

If you require fine crushing equipment to process soft materials, you can select an impact crusher or a fine crusher; if you need to process hard materials, you can select a cone crusher.

If you have requirements for the product size It is recommended that you choose a counter-attack crusher; if you have requirements for output, it is recommended to choose cone crushers.

Conclusion:

In this post, we will introduce the four most popular types of rock crushers: jaw crusher, impact crusher, fine grinder and [cone crusher](#). You can choose the right one for your particular needs based upon the type of material you are trying to crush or the degree of hardness it is.