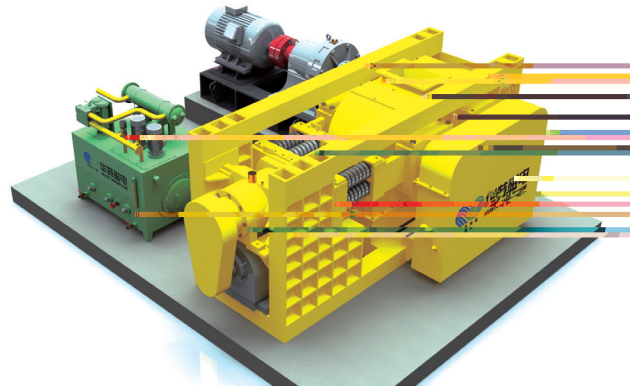


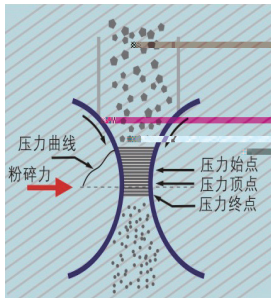
SINGLE DRIVE HIGH PRESSURE GRINDING ROLL

Application, Structure



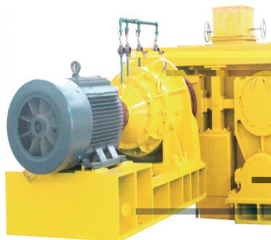
Single drive high pressure grinding roll machine is a kind of grinding equipment used for grinding various materials. It has a simple structure and is easy to operate. The machine is driven by a single motor, which is connected to a set of rollers. The rollers are arranged in a way that they can grind the material between them. The machine is widely used in various industries, such as metallurgy, mining, and construction.

Pressure Curve & Working Principle



Working Principle Diagram

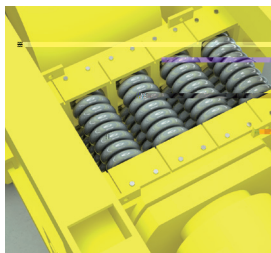
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Grinding Effect

45%

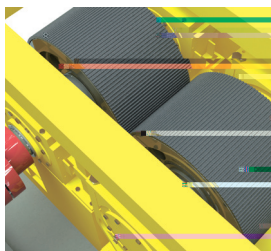
The grinding effect of the single drive high pressure grinding roll machine is very good. It can grind various materials to a fine powder. The machine is widely used in various industries, such as metallurgy, mining, and construction.



Pressure Curve and Working Principle

95%

The pressure curve and working principle of the single drive high pressure grinding roll machine are very important. The pressure curve shows the relationship between pressure and material feed rate. The working principle shows how the rollers grind the material between them.



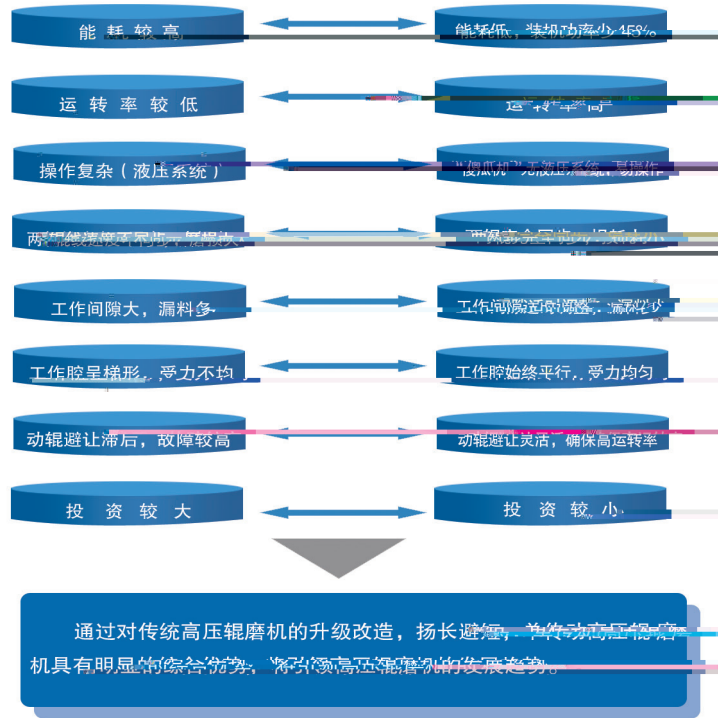
Roller Surface

HRC58-65

The roller surface of the single drive high pressure grinding roll machine is made of high quality steel. The surface is hardened to HRC58-65, which makes it very durable and resistant to wear. The machine is widely used in various industries, such as metallurgy, mining, and construction.



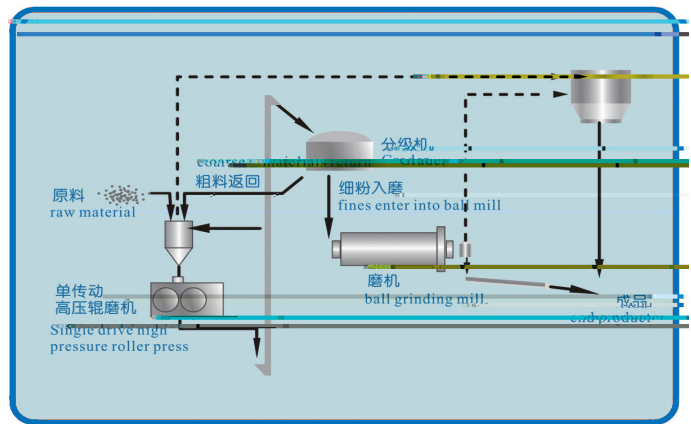
COMPARISON BETWEEN SINGLE DRIVE HPGR AND CONVENTIONAL HPGR



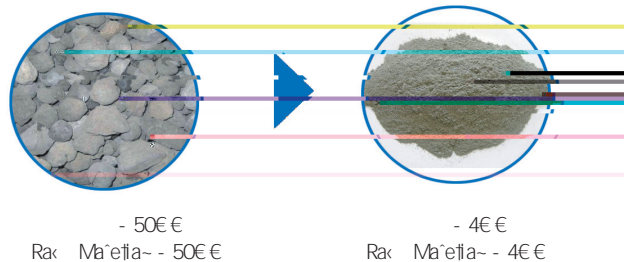
PRE-GRINDING PROCESS FLOW CHART OF SINGLE DRIVE HPGR

Pre-grinding process flow chart of single drive HPGR

Raw material (粗料) enters the single drive high pressure roller mill (单传动高压辊磨机). The mill produces coarse product (粗料返回) and fine powder (细粉). The fine powder enters a ball mill (磨机) for further grinding. The final product (成品) is then produced. The process is characterized by high efficiency and low energy consumption.



The single drive high pressure roller mill (单传动高压辊磨机) is a key component in the pre-grinding process. It is characterized by its high efficiency and low energy consumption. The mill is designed to handle large quantities of raw material, producing a high percentage of fine powder (30%) and a small amount of coarse material (15-30%). The coarse material is recycled back into the mill. The fine powder is then sent to a ball mill for further grinding. The final product is a high-quality, fine-grained material.

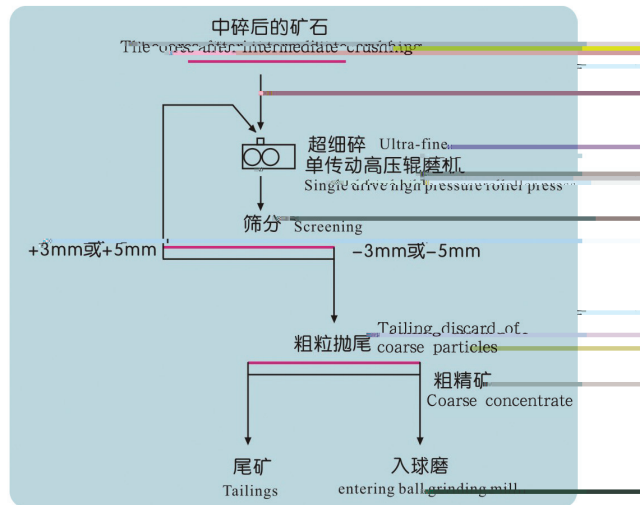


ULTRA FINE CRUSHING PROCESS FLOW CHART OF METALLIC MINERAL WITH SINGLE DRIVE HPGR

Ultra Fine Crushing of Metallic Minerals

- 5€

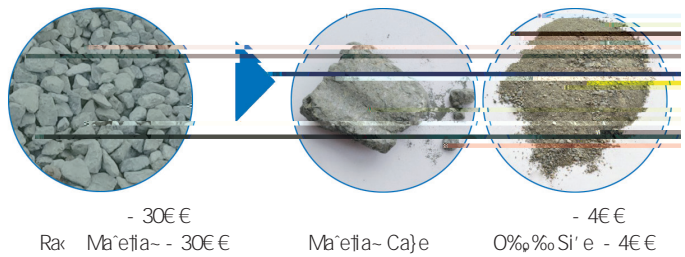
- 3€



When the ultra-fine crushing process is applied to metallic minerals, the ultra-fine crushing process is used to crush the ores after intermediate crushing. The ultra-fine crushing process is used to crush the ores after intermediate crushing. The ultra-fine crushing process is used to crush the ores after intermediate crushing.

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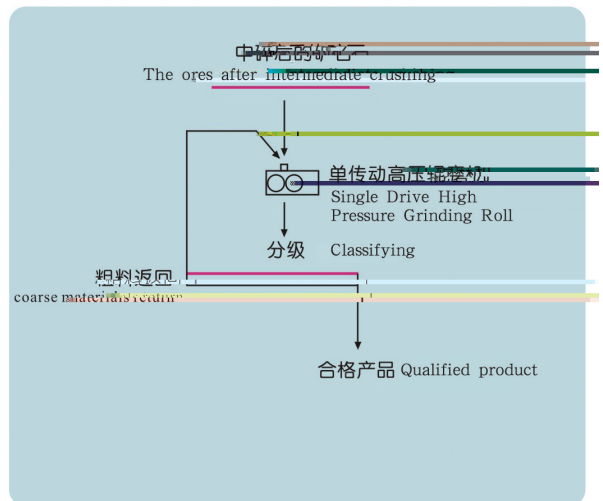
By using the ultra-fine crushing process, the ultra-fine crushing process is used to crush the ores after intermediate crushing. The ultra-fine crushing process is used to crush the ores after intermediate crushing.



APPLICATION PROCESS FLOW CHART FOR NON-METALLIC MINERAL WITH SINGLE DRIVE HPGR

Non-Metallic Minerals Grinding

20 -120



The ultra-fine crushing process is used to crush the ores after intermediate crushing. The ultra-fine crushing process is used to crush the ores after intermediate crushing. The ultra-fine crushing process is used to crush the ores after intermediate crushing.

