

Baryte Mining Process

Gravity Separation:

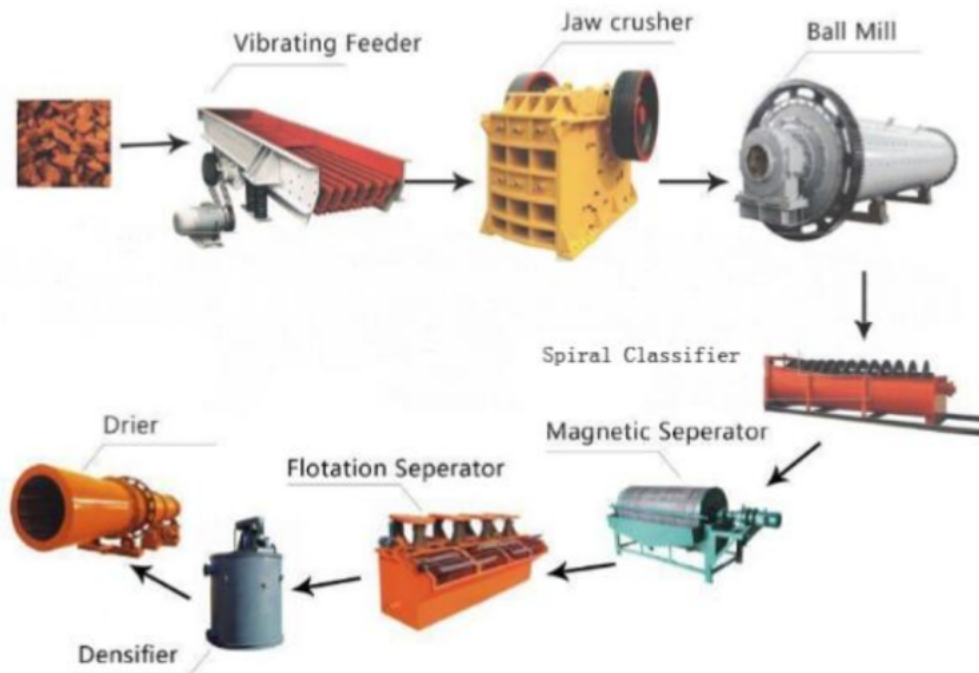
For the gravity separation of barite, the process of crushing, screening and jigging. Then the high grade (over 80%) concentrate will be produced. The jig is the main equipment for the separation and purification of barite ore, which is energy-saving, high efficiency, and environment protection. In the process of crushing, KHN Minerals uses jaw crusher and applies the two-stage crushing process. In the process of screening, KHN Minerals uses simple and useful circular vibrating screen, which also have the features of large capacity, high efficiency, and convenient operation. It is very suitable for screening of barite ore. In the process of jigging, it applies two kinds of jigs to respectively separate the coarse and fine granularity of barite material.

Magnetic Separation:

Baryte Mining usually applies wet magnetic separation to beneficiate some iron-bearing mineral, like siderite, which applies to barite ore that is used in barium-based medicine requiring low iron barite.

Flotation:

As for the barite with fine particle size and gravity tailings, KHN Minerals applies the process of flotation. According to the different adsorption manner, uses some anionic collector, like fatty acid alkyl sulfate, alkyl sulfonate, or cationic collector, like amide collectors to do the floatation for barite ore.



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