

05, 2012 17:01 CST

## How to extend the belt conveyor life

[Belt Conveyor](#) is in a certain line continuous transmission of materials materials handling machinery, also called continuous conveyor. Conveyor for level, tilt and vertical conveyor, also can make the space transmission lines, the transmission line generally are fixed. Conveyor carrying ability, long distance, still can be in the course of transmission for finish at the same time some process operation, so widely used.

Start and stop:

Conveyor should be in commonly no-load conditions start. In order for a belt conveyor installation should be used when can atresia starting device, so that through the ecr according to certain order the start and stop. In addition, in order to prevent the accident, each machine conveyor should also set in situ start or stop button, can stop alone any one. In order to prevent the [Conveyor Belt](#) for some reason and was torn vertically, more than 30 m when conveyor length, length along the conveyor, should interval distance (such as 25, 30 m) installed a stop button.

In order to guarantee the belt conveyor reliable operation, the most is the timely discovery and ruled out the possibility of failure. Therefore the operating personnel must always observe the working condition of transport, if discovery is unusual, should handle in time. Mechanical workers should be regularly patrol and check for any need of attention or components, this is very important. For example a roller, don't seem to be very important, but the high speed conveyor belt conveyor wear materials may soon put its shell wear, the emergence of a blade, and the blade can seriously damage a price expensive conveyor belt. Trained workers or experienced staff can discover in time is accident, and to nip in the bud. The belt conveyor belt conveyor in cost in the whole accounts for a considerable proportion of. In order to reduce the cost of the conveyor belt replacement and maintenance, must pay much attention to the operating personnel and maintenance personnel for the operation and maintenance of the conveyor belt knowledge training.

Get [beneficiation,Mineral Processing,ball mill](#) From <http://www.ballmill8.com>

Definition of this method is: separate various helpful minerals in proper order. With its feature of high flexibility, it can adapt the change of ore grade, especially for sulphide ore of high grade. Xilin, Fankou, Lechang lead-zinc dressing plant of our country, and Laisvall lead-zinc dressing plant of Sweden all adopt this method.

#### Combined Flotation Flowsheet

Firstly, get mixed concentrate through the emersion of all useful minerals in ores; secondly, separate various helpful minerals in sequence from mixed concentrate. These two steps together are called part of amalgamate flotation Flowsheet. This process is suitable for treat raw ores of complex structure, fine embedded grains, and low content of sulfide mineral, which are in close symbiosis relationship. Because this process can simplify process, reduce ores' over grinding, so as to benefit separation. Almarc Lead-zinc plant of former Soviet Union adopts preferential flotation this process. By using this process, we can get higher index than preferential flotation improve 10% of lead concentrate ore grade and 4.5% of zinc concentrate ore grade, raise the rate of multipurpose utilization from 75.4% to 83.7%, and double labor productivity. Qingchengzi zinc-lead ore dressing plant and Xiaotieshan copper ore dressing plant of our country adopt this process.

#### Part of Amalgamate Flotation Flowsheet

We can get mixed concentrate by the emersion of two useful minerals in ores together, then separate single concentrate from the mixed concentrate. The two stages together are called part of amalgamate flotation Flowsheet, which is the most widely used process in production. It is quite economical to adopt this process when raw ores contain low-grade nitrogen, copper-lead, copper-zinc, and lead-zinc.

#### Iso-flotability Flotation Process

According to minerals' flotability in ores, mineral assemblages of good, medium and worse flotability are separated through flotation separation. Secondly, different helpful minerals are selected out from all mixed concentrates, which is called iso-flotability flotation process. For example, Huangshaping lead-zinc ore dressing plant of our country, and Zheskaz of former Soviet Union both adopt this process. [beneficiation,Mineral Processing,rotary kilnhttp://www.dryballmill.com](http://www.dryballmill.com)