

How to improve decomposition rate of rotary kiln



Rotary kiln is a machine whose working temperature can reach the temperature to calcine superfine kaolin. At present the rotary kiln technology in our country is mature and advanced, which represents the development direction of calcination technology of superfine kaolin. However, the decomposition rate of rotary kiln is not high enough, we should improve the decomposition rate of rotary kiln. Do you know how?

Decomposition rate of kiln showed that the extent of the carbonate in the raw material is broken, with preheating decomposition system equipment design is reasonable, whether appropriate process parameters. Kiln decomposition rate is the main indicators of decomposition furnace running normally, the decomposition rate is high, the decomposition furnace at full play, thus to appropriately increase the rate of decomposition into the kiln. Can take the following several measures to attain the goal of improve the decomposition rate of kiln. 1 .

Setting, coal feeding point position and quantity, to consider the raw material before charging with sufficient space for the fuel combustion, especially for difficult combustion of anthracite, but also introduced three times the position of the wind direction, etc. , not only to ensure uniform pulverized coal combustion in full, the whole furnace in the thermometer minimum temperature difference between both should not exceed 20 - 30 degrees Celsius. By improving the mixing of the raw material and coal powder level, how to improve the heat transfer equilibrium.

For the larger, should not only set a charging point and coal point, need appropriate layout more. 2. Decomposition furnace design should consider

the flammability of fuel, the volume of material itself in furnace you have plenty of time. Influenced by grade of pulverized coal and pulverized coal fineness, high volatile pulverized coal, pulverized coal fine, raw materials and the residence time of pulverized coal are needed can be slightly shorter, pulverized coal combustion space can also be less alone, not even.

On the other hand, will stay longer, pulverized coal combustion space alone.

3. Decomposition furnace design should consider the volume of the decomposition rate of raw powder. It is not only related to the characteristics of the limestone, also associated with the atmosphere of decomposing furnace, especially on-line decomposition of CO₂ content is higher in furnaces fumes, go against the decomposition rate of limestone. improve the decomposition rate of rotary kiln: <http://www.china-crusher.com/news342.htm> How to Improve Decomposition Rate of Rotary Kiln By fengyanyan1990 calcine superfine kaolin. At present the rotary kiln technology in our country is high enough, we should improve the decomposition rate of rotary kiln. Do you know Decomposition rate of kiln showed that the extent of the carbonate in the raw main indicators of decomposition furnace running normally, the decomposition rate goal of improve the decomposition rate of kiln. should not exceed 20 " 30 degrees Celsius. By improving the mixing of the raw