

Preventing cracks - improving the manufacturing process of rotary kiln tire

Rotary kiln is the core and key equipment of cement production enterprises, and the kiln tire is an important supporting component of rotary kiln. It not only bears the full weight of the cylinder, but also reinforces the thin-walled cylinder.

Because the location and function of the rotary kiln tire are very important, any form of quality defect and damage on the large belt will bring serious impact to the normal production of the enterprise and huge economic losses.

Great Wall Casting (CHAENG) is a large-scale steel casting manufacturer in China. The large rotary kiln tire produced by CHAENG are used in rotary kilns all over the country. In order to prevent the impact of small defects such as cracks on the cast steel kiln tires, and to improve the safety and reliability of cast steel tires, CHAENG has made a series of efforts in casting technology:



Rotary Kiln Tire

Before starting all casting work, CHAENG will formulate a reasonable casting process plan according to the actual situation and needs of customers, select and use a reasonable gating system, select and determine the correct parting surface and process parameters, etc. and master the casting temperature of molten steel and the time of unboxing.

Before processing, carry out sufficient annealing or artificial aging treatment to eliminate the internal stress of casting.

If there are defects affecting the quality of the kiln tires in processing, they should be scrapped.

The processed tire has a smooth and flat surface, and there is no sharp corner at the transition between the surface and the surface. The non-machined surface should be smooth and neat, and there should be no rough protrusions and pits. There is no crack in

the inspection inspection. The hardness meets the technical requirements; the metal structure is dense and uniform; the material test is qualified.

The improvement of the above process ensures the safety and reliability of the kiln tire to a large extent. Facts have also fully proved that the improvements made by CHAENG are very effective. At present, no major equipment accidents such as breakage or cracking of the rotary kiln have occurred in the manufacturers using CHAENG kiln tires. To buy rotary kiln tires, CHAENG is your choice.

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