

Process introduction

Girth gear is an important transmission part of rotary kiln and ball mill equipment. The motor drives the pinion and pinion drives the girth gear mounted on the cylinder shell, because of this, the ball mill start driving. The girth gear is connected to the cylinder shell by bolt.

CHAENG can produce all kinds of large gear ring according to the drawings and sizes provided by customers.

According to the customer's requirement, CHAENG chooses the appropriate wooden model for design and makes the CAE casting simulation before casting. The casting is strictly in accordance with the process of "wooden model—sand moulding—metallurgical casting—heat preservation—cleaning—heat treatment—rough finishing & fine finishing—package & delivery", for the high quality gear castings.



Product advantages

1. High abrasion resistance

The CHAENG adopts unique heat treatment technology in casting, which optimizes the gear's structure, improves its hardness, and greatly enhances its wear resistance and the impact force.

2. High strength steel ensures, long working time

The CHAENG uses the high-strength steel for gear casting, and optimize it according to the transmission characteristics of rotary kiln, ball mill which ensure its stability during long-time working and prolong the service life of the components.

3. Efficient mass production, shorten the delivery time

CHAENG has strong strength for steel casting parts, and can produce in large quantities with short production time and high output.

Projects

In recent years, with the excellent quality, the girth gear made by CHAENG has been sold in Henan, Guangdong, Hubei, Jiangsu, Zhejiang and other provinces, and successfully exported Italy in 2012.



The girth gear exported to Italy by CHAENG

The girth gear manufactured by CHAENG has been applied to rotary kiln and ball mill in many cement production lines, which provides reliable guarantee for the normal operation of rotary kiln and ball mill.



CHAENG girth gear used on rotary kiln in cement production line

Why choose CHAENG?

Reason 1: More than 10 patents in steel casting

Reason 2: 60 tons Max. Capacity.

Reason 3: Professional casting team and modern casting workshop

Service & support

1. It has its own large casting foundry, which is very few in the same industry



CHAENG has its own large casting base, and employs the top talents of casting technology to serve as the senior manager and its technical team. Now, CHAENG casting base already has the comprehensive ability to provide users a series services from semi-finished products casting to finished products and a complete solution to the key assembly parts.

2. GB Level 2 inspection standard to ensure the spare parts are qualified

The particular process solution can be made according to the different needs of customers. and each casting section will be strictly controlled. To make sure every product is 360 ° Nondestructive Flaw Test before delivery and no defective products leave from the factory.

The advanced technology and meticulous casting process ensure the quality of the castings, thereby makes the first maintenance time of the main spare parts 2-3 months later than that of the others.

About CHAENG

Founded in 1958 and located in Xinxiang, Henan province, CHAENG has 60-year experience in equipment manufacturing with an area of 330,000 m² and 1 billion RMB of annual production value. The company is specialized in manufacturing all kinds of ball mills, rotary kilns, vertical mills, large steel castings. And we can undertake the EPC projects of cement production line, quick lime production line, blast furnace slag/ steel slag/ nickel slag grinding plants. Its products are sold to more than 50 countries and regions in Southeast Asia, Central Asia, South Asia, North America, South America and Europe.

Our long-term strategic partners: Arcelor Mittal, Tata Group, Pohang Iron and Steel Company, Germany CCE, Japan Chiba, Shanghai Baosteel, Voestalpine and ASGT, etc.

The logo for CHAENG features the word "CHAENG" in a bold, sans-serif font. The letter "A" is stylized with a red triangle pointing upwards. Below the word "CHAENG" is a red horizontal line, and underneath that line, the text "GREAT-WALL MACHINERY CORPORATION" is written in a smaller, all-caps, sans-serif font. The entire logo is tilted at an angle.

CHAENG
GREAT-WALL MACHINERY CORPORATION