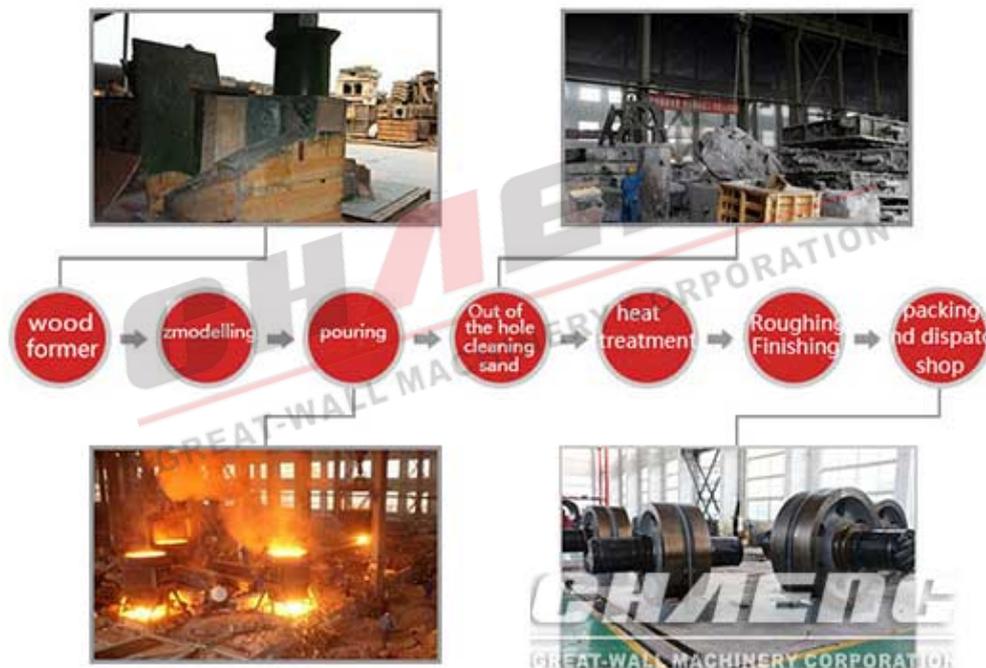


# Process introduction

The supporting roller is one of the main parts of the rotary kiln, which partly support the weight of the rotary kiln and allows the cylinder and tire to rotate smoothly on the support roller. Therefore, the supporting roller with ultra-endurance becomes one criteria of measuring quality of the rotary kiln.

CHAENG can provide variety of rotary kiln parts casting and processing service as per the drawing of customers.

According to customer requirements, CHAENG selects the appropriate wooden mold for modeling design, use CAE simulation casting before actual casting, in strict accordance with the technological process of wooden mold – modeling – smelting pouring – heat preservation – sand cleaning and out of the pit – heat treatment – rough machining and fine machining – packaging and delivery, cast supporting roller with high quality.



## Product advantages

CHAENG has one of the few large foundry bases in the same industry, with an annual output of 50,000 tons, especially in the casting of grinding equipment parts such as supporting roller, which has obvious advantages:

1. The supporting roller has large load and continuous operation.

The supporting roller of Great Wall machinery are usually made of ZG55, ZG42CrMo and other materials, which ensure the quality of the roller, and on the other hand, it has the advantages of large load and continuous running.

2. Simple structure, easy to adjust& maintenance

The supporting roller uses the rolling bearing group with characteristics of simple structure and convenient maintenance.

### 3. Strict control of heat treatment . high hardness of products

The Great Wall machinery adopts normalizing and tempering procession in the roller casting, and finally the surface hardness of the outside circle is higher than 200HB, which guarantees the quality of supporting roller of the rotary kiln.

## Projects

With its rich experience in production of grinding equipment, whether it is grinding equipment or its key parts, CHAENG gets a lot of recognition from their customers.

As the main part of the rotary kiln equipment, the supporting roller by Great Wall machinery is applied to many cement production lines at home and abroad.



The supporting roller made by CHAENG is applied to 5000 TPD rotary kiln of Henan Meng Electric Group



The supporting roller made by CHAENG is sent to Uzbekistan for the 1000t/d cement production line

## Service & Support

1. Large casting bases ensures the quality





CHAENG has its own large casting bases, and employs top talents in the industry as the senior management personnel and technical backbone in the casting process. Now, Great Wall machinery casting base already has the comprehensive ability to provide users a series services from casting to finished products and a complete solution to the key parts.

2. Two stage flaw detection to ensure the long use time of spare parts.

### **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 m<sup>2</sup> 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.