

## Rotary kiln thrust roller manufacturer in China - CHAENG

CHAENG is a large steel casting factory in the middle of China, which can manufacture large steel castings for rotary kiln: kiln support roller, kiln tyre, girth gear & pinion, kiln thrust roller, etc.



Then, how does CHAENG guarantee quality of steel castings?

### **1. High-tech engineering and technical team support**

CHAENG has a variety of engineering and technical personnel in fields of foundry casting, non-destructive testing, welding, materials, and quality management. CHAENG arranges responsible engineers to charge all aspects of steel casting processing and manufacturing (design, process, materials, welding, nondestructive testing, product inspection, Standardization, measurement, quality management, etc.), forming a relatively complete quality assurance system.

### **2. Complete equipment support**

CHAENG has introduced two 60-ton alkaline electric arc furnaces, four large-scale natural gas heat-treating furnaces, and other auxiliary facilities such as oxygen production stations, air compressor stations, natural gas stations, and CO2 stations. Also introduced the German OBLF company GS1000 vacuum direct reading spectrometer, carbon and sulfur high-speed analyzer, computer three-element high-speed analyzer, digital ultrasonic flaw detector, multi-purpose magnetic flaw detector and other physical and chemical testing facilities, lever type universal strength testing machine, hammering type tensile testing equipment such as prototype machine; using CAE software to simulate the casting process is a new level of casting process.

In order to ensure that the steel casting material meets the standards, CHAENG adopts a computer multi-element analyzer, which can satisfy the quantitative detection of elements such as C, S, Mn, P, Si, Cr, Ni, Mo, Cu, Pb, Sb, Ba, Ti, V, Al, W, Nb, Mg, and Co in the raw high, middle and low alloy steel materials. The data acquisition system with high stability

ensure the precision and accuracy of the determination.

### 3. Advanced casting process



### 4. Non-destructive testing system

CHAENG has the advanced casting equipment, strictly follows the national level-2 detection standards, and executes all-round nondestructive testing system, to ensure the reliable quality and long service life of steel castings. CHAENG is hailed as "high cost-effective steel castings manufacturer".

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