

# KILN TYRE

The rotary kiln tyre, also known as the riding ring, is one of the main components of the rotary kiln. It is to transfer all the gravity of the kiln body to the supporting roller, and it is also a part that strengthens the radial rigidity of the cylinder. Therefore, CHAENG uses high-quality cast steel materials and strictly controls the quality of each step of the process, to ensure that the rotary kiln tyres have sufficient strength, durability, and rigidity.



## Specification

Weight: 1-80 Tons

Material: Steel ZG45, ZG42CrMo

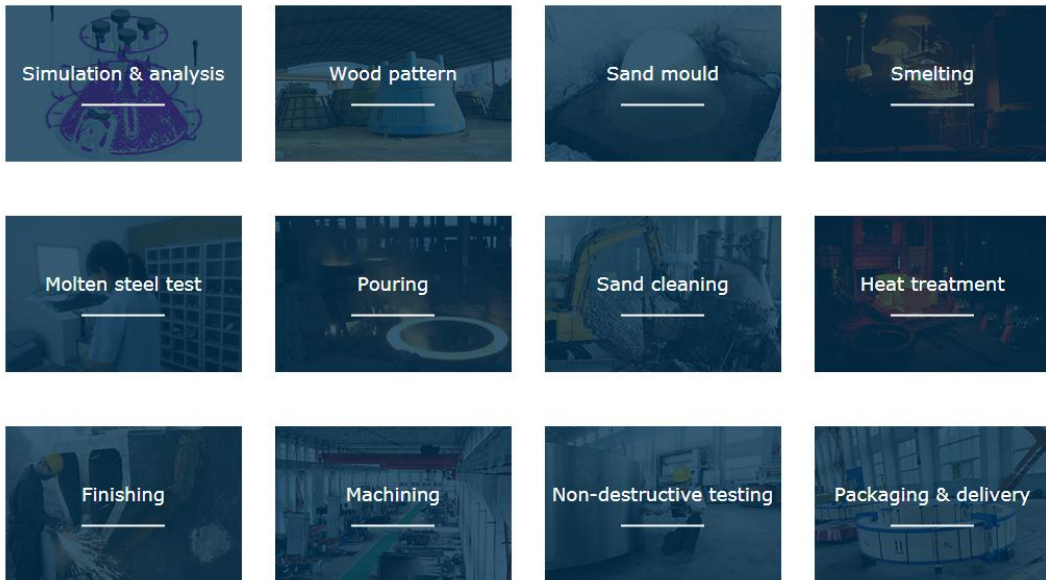
Application: Rotary kiln, rotary dryer, etc

Customizable: Yes, according to the drawings or dimensions from customers

## Our advantages:

1. CAE software digital simulation technology is used to assist in quality prediction and process optimization.
2. The rotary kiln tyre is made out of high-quality raw materials and auxiliary materials whose chemical composition are strictly tested.
3. Advanced heat treatment process improves the strength, durability, and rigidity of the kiln tyre, to ensure the tyres have long service life and can adapt to various harsh working environments.
4. We ensure the internal quality of kiln tyre through non-destructive testing (NDT) and improve the surface quality with shot blasting equipment.
5. Our company has complete quality inspection system to ensure the quality of steel castings: chemical composition, mechanical property, dimensional check, ultrasonic testing (UT), magnetic particle testing (MT), penetrant test (PT), X-ray inspection, etc.

## Our process:



1. Simulation analysis through CAE software
2. Wooden pattern Production
3. Sand mould
4. Smelting
5. Molten Steel Test
6. Pouring
7. Sand cleaning
8. Heat treatment
9. Finishing
10. Machining
11. Non-destructive testing
12. Packing & delivery

#### Customer cases:

Excellent product quality makes CHAENG rotary kiln tyre sold to Henan, Guangxi, Zhejiang and other provinces, and also to many well-known overseas enterprises in Philippines, Italy, Turkey, Chicago, Kazakhstan and others.





## Contact Us

Xinxiang Great Wall Casting Co,Ltd (CHAENG)

Website: [www.partscasting.com](http://www.partscasting.com)

Email: [casting@chaeng.co](mailto:casting@chaeng.co)

Tel.: 86-371-55019878

Office Add: Mengzhuang Town, Huixian City, Henan Province, China