

# Rolling mill stand

## Introduction

Rolling mill stand is the largest and heaviest part of the rolling mill working base, and its weight accounts for 45~50% of the whole working base. The whole rolling force and horizontal tension, the inertia impact and the balance force in the roll balance device are all taken by the stand. The deformation of the stand caused by the force directly affects the dimensional accuracy of the workpiece, so the rolling mill stand must have enough strength and stiffness.

<b>Weight</b>	10-60T
<b>Material</b>	ZG270-500
<b>Application</b>	Metallurgical industry
<b>Customizable</b>	Yes



## Processing advantages

Which famous international steel company choose us?

1. Mittal Steel Group
2. TATA Group
3. Baosteel Group
4. Pohang group

### **Features of CHAENG rolling mill stand / rolling mill housing:**

#### **1. 10 years of casting experience, fast delivery**

Strong processing equipment, first-class casting and testing standards, lay the foundation for the production of high-quality castings; cooperate with Shanghai Baosteel, Mittal Group, Tata Group and other world-class steel company.

#### **2. Obtain many international quality system certification**

We successfully passed the ISO9001:2008 international quality management system certification. CHAENG rolling mill stand is produced in accordance with international standards to effectively guarantee the quality.

#### **3. Professional casting team to provide customized solutions**

Before production, communicate fully with customers and make specific production plan; during production process, strictly control every procedure from the mold, modelling, casting, testing etc., to pursue 100% quality; regularly train the front-line operatives, to ensure stable production quality of rolling mill stand.

### **Process**

#### **The first step: Simulation and modeling**

Before casting, numerically simulate the casting process by CAE software to analyze the molding process, predict and optimize the product quality.

#### **The second step: pouring and heat treatment**

The qualified raw and auxiliary materials shall be put into the arc furnace according to the proportion, and the sampling of hot metal shall be carried out

to perform the spectral analysis. After qualification, the pouring shall be carried out according to the principle of "low temperature and quick casting", and the pouring time and temperature shall be recorded.

### The third step: polishing and flaw detection

CHAENG has professional mechanical polishing teams and large-scale blasting apparatus, which can effectively improve the appearance quality of rolling mill stand (rolling mill housing), to meet customer's requirements on surface finish. Moreover CHAENG take use of advanced detection equipment for non-destructive testing to ensure the internal quality of rolling mill stand, strictly stop any defective goods from leaving the factory.



### Case

The rolling mill used by a Shandong manufacturer is equipped with a rolling mill stand produced by CHAENG which is stable today.



A large crusher manufacturer in Henan has purchased CHAENG rolling mill stand. It has been found to be very stable after use.



**Chaeng Service**

### **1. Cost-effective**

CHAENG has the top-ranking casting equipment, strictly follows the national level-2 detection standards, and executes 360° all-round nondestructive testing system, to ensure the reliable quality and long service life of steel castings. CHAENG is hailed as "the most cost-effective steel castings manufacturer".

### **2. Fast delivery**

CHAENG has strong technical teams, detailed production scheduling, wide range of raw materials purchase channels, and perfect logistics delivery system, making efforts to achieve the shortest delivery period in china.

### **3. "Three-heart" service**

The 24h fast response and the customer services in all 365 days rest your heart when you make choice, ease your heart when you use the products, satisfy your heart when you enjoy the services.

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