

## Our People

Taibang has an excellent and professional technical team with over 40 years' foundry experiences, a highly skilled and coordinated workforce, and a good communicable executive and marketing team. We have about 120 employees in total. Among them, 3 are with senior titles, 17 are with middle titles, 69 are with all kinds of technician titles.

## Core Values

Honest, altruistic, grateful, professional, fair and mutualistic.

## Business Philosophy

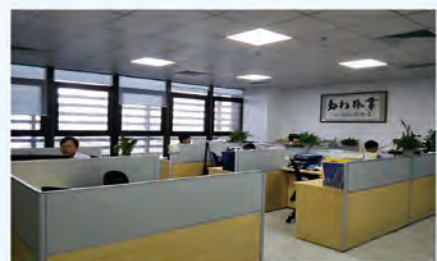
Make unlimited efforts to maximize the utilization rate of limited human resources and improve the happiness index of all employees.

## Our Mission

Save more money, effort and worry for customers.

## Our Vision

To be a leading enterprise respected by peers and a happy enterprise envied by employees in the industry of wear-resistant metal technology.



## Contacts

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### Company Address:

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City, Guangdong Province, P.R.China

We are dedicated to  
the wear-resistant castings which are  
**Durable, Affordable, Reliable.**



# Foundry and Machining Workshop

Taibang Wear Resistant Metal Technology Ltd. is an expert of wear-resistant spare parts for mining machinery with its foundry established in year 2005.

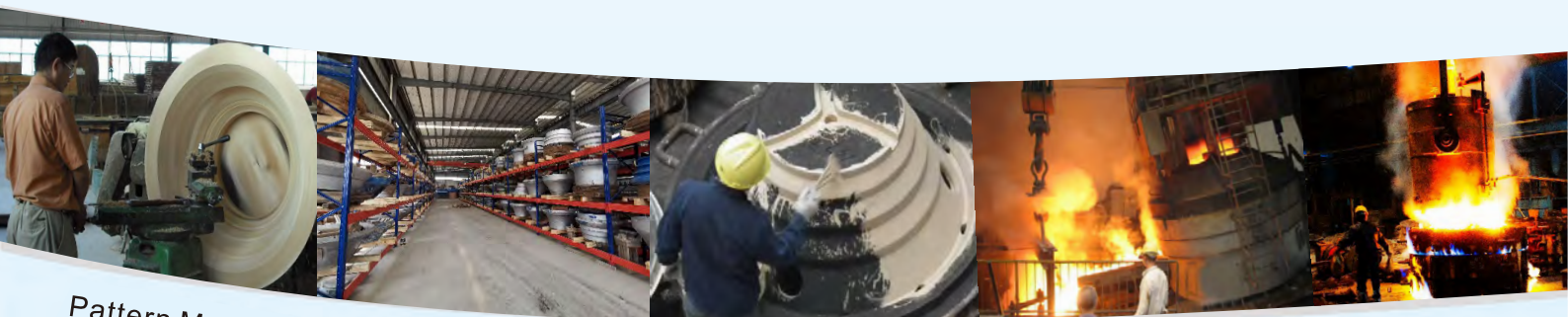
We are dedicated to supply durable, affordable and reliable spare parts, owning product lines covering wear-resistant parts in the industry of mining, cement plants, aggregate industries, metal scrap shredding, solid waste recycling as well as other universal cast steel and cast iron parts, among which our competitive products are modified high-manganese steel wear-resistant parts(Mn13Cr2,Mn18Cr2,Mn22Cr)(within 10 tons), high chrome cast iron blow bars (Cr27Mo1,Cr27,Cr18,Cr13), alloy steel hammers, high chrome composite wear-resistant liner with ceramic and other parts for various crushers. Being used for many years by end users in both domestic and overseas markets, our "TB" brand wear-resistant parts have withstood the tests and won good reputation not only in China but also in the markets like North America, Europe, South Africa, Australia, the Middle East and so on.



In China, we have one production base in Shaoguan city and a service base for foreign trade marketing in Shenzhen city, Guangdong province which create one-stop full service from R&D, manufacturing, inspection, packing, export transportation and marketing service.

We own one set of intermediate frequency furnace with capacity of 8 tons and two sets of that with capacity of 2 tons. We use argon blowing and refining in both furnaces and ladles, which is then aligned with bottom pouring ladles and thus can ensure the purity of molten steel, good microstructure and reliable product quality.

We own advanced production lines with alkaline phenolic resin sand molding process, one lifting type sand mixer with capacity of 40 tons, two sand mixers with capacity of 20 tons and three foundry jolters. The precision of the casting dimensions reaches level 12 and precision of the casting surfaces is high. According to different needs of high and middle end customers, our rational use of quartz sand and chromite sand ensures the effective refinement of grain size and improves the wear-resistance of castings.



Pattern Making

Pattern Storing

Molding

Smelting

Pouring

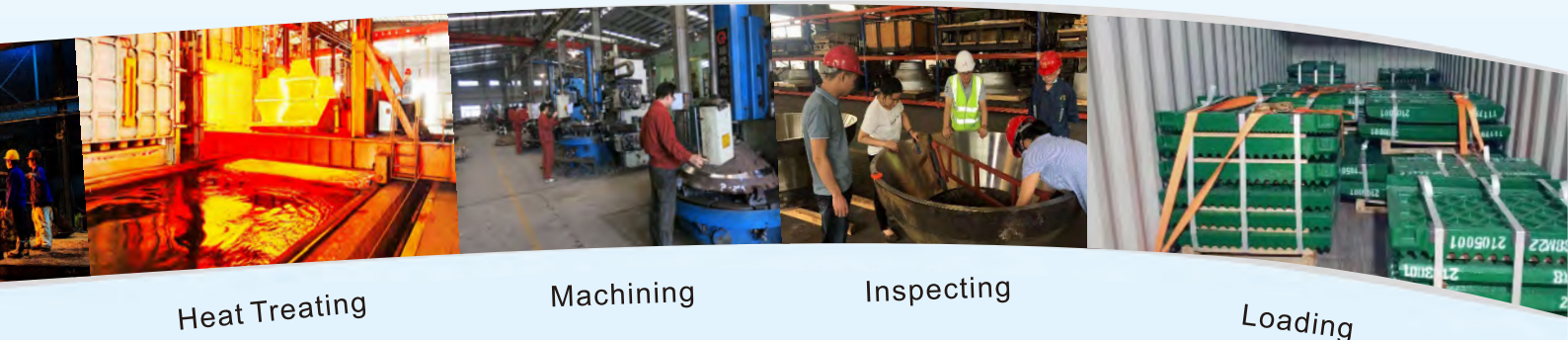
We own four large-scale and rapid quenching furnaces (3.5m\*3m\*2.3m), three sealed box type quenching furnaces and one tempering furnace. The rapid quenching mechanism can fully meet the time of entering water for manganese steel and alloy steel which is less than 42 seconds from opening furnace to entering water, thus can effectively control the stability of the microstructure and ensure the mechanical property of castings, so as to get the best product performance.

We have a complete product inspection system with rapid analysis spectrometer, molding sand inspection equipment, ultrasonic flaw detector, magnetic flaw detector, universal testing machine, impact testing machine and hardness tester. The entire production and inspection processes have passed the ISO9001-2015 and we have been carrying out them strictly in daily operation.

We equip with 15 vertical lathes machines, 2 planning machines, 3 milling machines, 2 boring machines and other machines which can enable us to finish the machining of products from all our production lines and ensure an output capacity of 15000 tons of high quality wear-resistant parts every year.

On the path of steady development, we have always valued care for people and respect for the environment. We have been awarded ISO45001:2018 Occupational Health and Safety Management System certification and ISO14001:2015 Environmental Management System certification. With professional standards, we safeguard the health and safety of our employees; with corporate responsibility, we protect the ecological environment.

We keep moving forward and pursue continuous innovation. We are deeply committed to technological upgrading and product optimization, and maintain regular technical exchanges and joint R&D cooperation with domestic and international wear-resistant material research institutes and leading industry enterprises. Recognized as a National High-Tech Enterprise and Guangdong Provincial Specialized, Refined, Differential & Innovative SME, we empower the "TB" brand with robust strength to stand firm against fierce global competition. Today, we have become a core OEM parts supplier for many world-renowned crusher manufacturers.



Heat Treating

Machining

Inspecting

Loading

## Our Ability and Capacity

Our large variety of low or high alloy steels, high chromium cast iron, and a complete range of austenitic manganese steels would provide an optimum solution to any specific abrasion problem.

### PRODUCTS RANGES AND CAPACITY ASSORTMENT BY MATERIALS:

| Material                            | Capacity Annual (MT) | Maximum Size               | Maximum Unit Wt. |
|-------------------------------------|----------------------|----------------------------|------------------|
| 1).Manganese Steel Castings         | 12000                | Max. Linear Size: 3000mm   | 10000kgs         |
| Including: Mn13Cr2                  |                      | Max. Diameter Size: 2500mm |                  |
| Mn18Cr2                             |                      |                            |                  |
| Mn22Cr2                             |                      |                            |                  |
| 2).High Chrome Iron Castings        | 2000                 | ditto                      | ditto            |
| Including: Cr13                     |                      |                            |                  |
| Cr15                                |                      |                            |                  |
| Cr18                                |                      |                            |                  |
| Cr27                                |                      |                            |                  |
| Cr27Mo1                             |                      |                            |                  |
| Cr20Cu                              |                      |                            |                  |
| 3).Ni-Hard Castings                 | 100                  | ditto                      | ditto            |
| 4). Alloy and Carbon Steel Castings | 800                  | ditto                      | ditto            |
| 5).Martensitic Steel Castings       | 50                   | ditto                      | ditto            |
| 6).Bronze Castings                  | 50                   | Dia.1000mm*1500mm(high)    | 500kgs           |
| Including: BS1400-LB2               |                      |                            |                  |
| BS1400-LB4                          |                      |                            |                  |
| TOTAL:                              | 15000                |                            |                  |



Cone Inventory

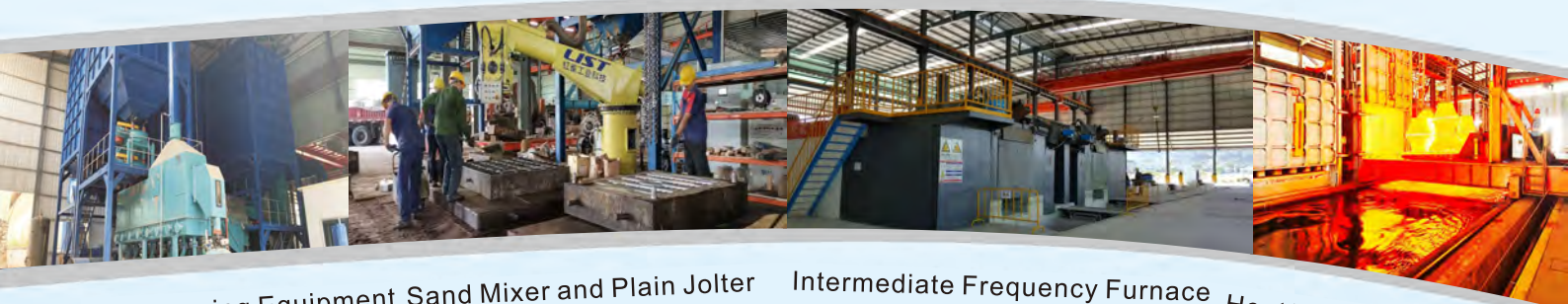
Jaw Inventory

Packing

Special Loading

## TAIBANG MAJOR WEAR RESISTANT ALLOYS AND CAST STEELS STANDARDIZED DESIGNATIONS AND CORRESPONDENCE WITH OTHER STANDARDS

| TB DESIGNATION | MAJOR ELEMENTS (AVERAGE CONTENT %) |     |     |     |     |    | HARD-NESS (HB) | AFNOR              | DIN                  | ASTM                | AS                 | MAJOR PROPERTIES                                                                                                                                                                                                                                                                    |
|----------------|------------------------------------|-----|-----|-----|-----|----|----------------|--------------------|----------------------|---------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | C                                  | Mn  | Ni  | Cr  | Mo  | Cu |                |                    |                      |                     |                    |                                                                                                                                                                                                                                                                                     |
| Mn13Cr2        | 1.2                                | 13  |     | 1.5 |     |    | 190-210        | Z 120 MC 12 1 - M  | GX 120 Mn Cr 12.2    | A 128 gr C          | AS2074/H1A,H1B,H1C | High toughness level which guarantees good resistance of parts submitted to strong impacts and heavy compression:<br>- Hardness up to 550 BHN Hardness by wear-hardening.<br>- These grades are recommended in case of strong impact abrasion.<br>Very high reliability in service. |
| Mn18Cr2        | 1.4                                | 18  |     | 2.2 |     |    | 210-230        | Z 140 MC 18 2 - M  | GX 140 Mn Cr 18.2    |                     | AS2074/H1D         |                                                                                                                                                                                                                                                                                     |
| Mn22Cr2        | 1.25<br>1.3                        | 22  |     | 2   | 0.3 |    | 220-240        |                    |                      |                     |                    |                                                                                                                                                                                                                                                                                     |
| Cr13           | 2.8                                | 0.6 |     | 13  | 0.3 |    |                | FBCr13             | G-X260Cr13           | A532 CI II TYPE A   | AS2074/H3A,H3B,H3C | Recommended for parts submitted to high abrasion,by erosion with minor impacts and low mechanical stress.                                                                                                                                                                           |
| Cr15           | 2                                  | 0.8 | 1.5 | 14  | 0.7 |    | 350-700        | Z 200 CND 14 1 - M | GX 200 Cr Ni Mo 14.1 |                     | AS2074/H3D         |                                                                                                                                                                                                                                                                                     |
| Cr18           | 2.8                                | 0.6 |     | 18  | 0.3 |    |                | FBCr18             | G-X260Cr18           | A532 CI II TYPE D   | AS2074/H6A,H6B     |                                                                                                                                                                                                                                                                                     |
| Cr27           | 2.7                                | 0.6 |     | 27  |     |    | 400-700        | Z 270 C 27 - M     | GX 270 Cr 27         | A 532 CL III type A | AS2074/H8E-1       |                                                                                                                                                                                                                                                                                     |
| Cr27Mo1        | 3                                  | 0.6 |     | 27  | 1   |    |                | FB Cr27            | G-X260CrMo271        | A 532 CL III type A | AS2074/H10A        |                                                                                                                                                                                                                                                                                     |
| Cr20Cu         | 3.2                                |     |     | 20  |     | 1  | 653-670        | FB Cr20Cu          | G-X260CrCu201        |                     |                    |                                                                                                                                                                                                                                                                                     |
| Martensitic    | 0.4                                | 0.8 |     | 4   | 0.5 |    |                |                    |                      |                     | AS2074/L5E         |                                                                                                                                                                                                                                                                                     |



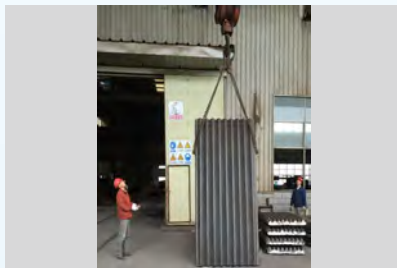
Sand Processing Equipment Sand Mixer and Plain Jolter

Intermediate Frequency Furnace

Heat Treatment Furnace

## Our Major Products (please contact us for detailed information)

### Manganese Steel Castings



### High Chrome Iron Castings





Specialized, Refined,  
Differential and Innovative Small and Medium-sized Enterprise Certificate



High-Tech Enterprise Certificate



Quality Management  
System Certificate

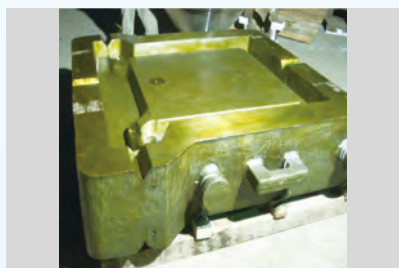


Environmental Management System  
Certification Certificate



Occupational Health and Safety  
Management System  
Certification Certificate

## Alloy and Carbon Steel Castings



## Other Products

