



Founded in 1977

Ciba Caibao diggings machinery
Turn stone into gold

STEEL PRODUCTION LINE EQUIPMENT

Quality assurance

Professional manufacturing

Carefree operation



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About us

Established in 1977, Kunming Ciba Diggings Machinery Co., Ltd. is a subsidiary of Yunnan Noah's Ark Group. We are a high-tech enterprise providing industrial process design, product R&D, manufacturing, and service.

Over the past 40 years, we have focused on the R&D and manufacturing of machinery for mineral processing, aggregates, material screening, conveying and logistics handling, loading, and unloading, the manufacturing and installation of steel production line equipment, and provided our customers with a package of solutions such as industrial process design, complete set of products, installation and commissioning, maintenance, training, service and consulting.

We have modern office buildings and manufacturing bases covering an area of 33300 m², and we have 140 employees. Relying on our strong technical and manufacturing capacities, we provide the customers with the maintenance and spare parts supply services for various kinds of production lines.

Customer group

Domestic steel enterprises

Business scope

- 1) Steelmaking and continuous casting line
- 2) Steel rolling line
- 3) Steel finishing line

Advantages

- 1) Professional production and manufacturing of spare parts, increasing the service life and reducing the production cost.
- 2) Equipment improvement based on maintenance experience, increasing the production efficiency.
- 3) Perfect after-sales service system.

Integrity
Innovation
Exploration
Professionalism



Committed to becoming the expert
in steel production line improvement

Six factors for choosing us



Professionalism



Standardization



Localization



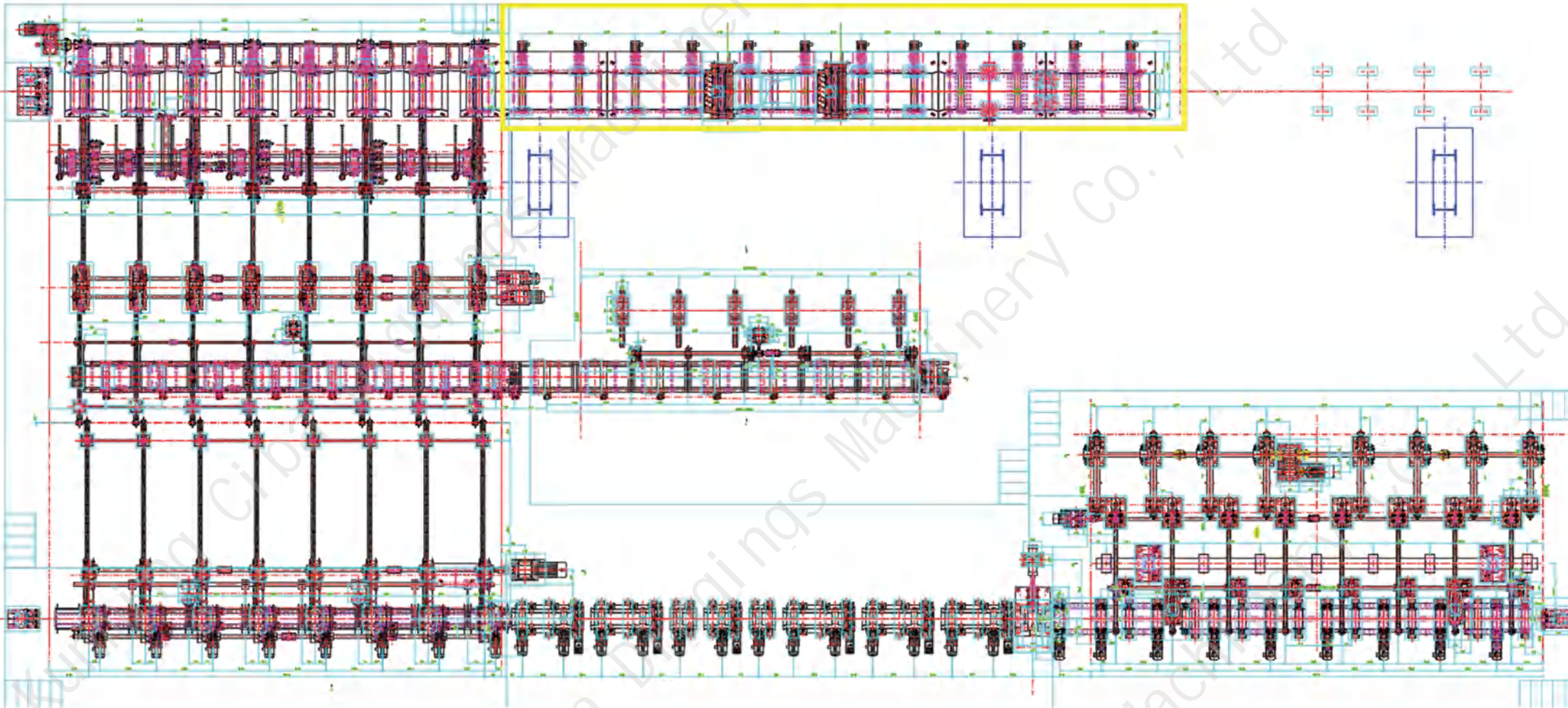
Low fault



High quality



Excellent service



Manufacturing and Installation of full set equipment for finishing area



02



03

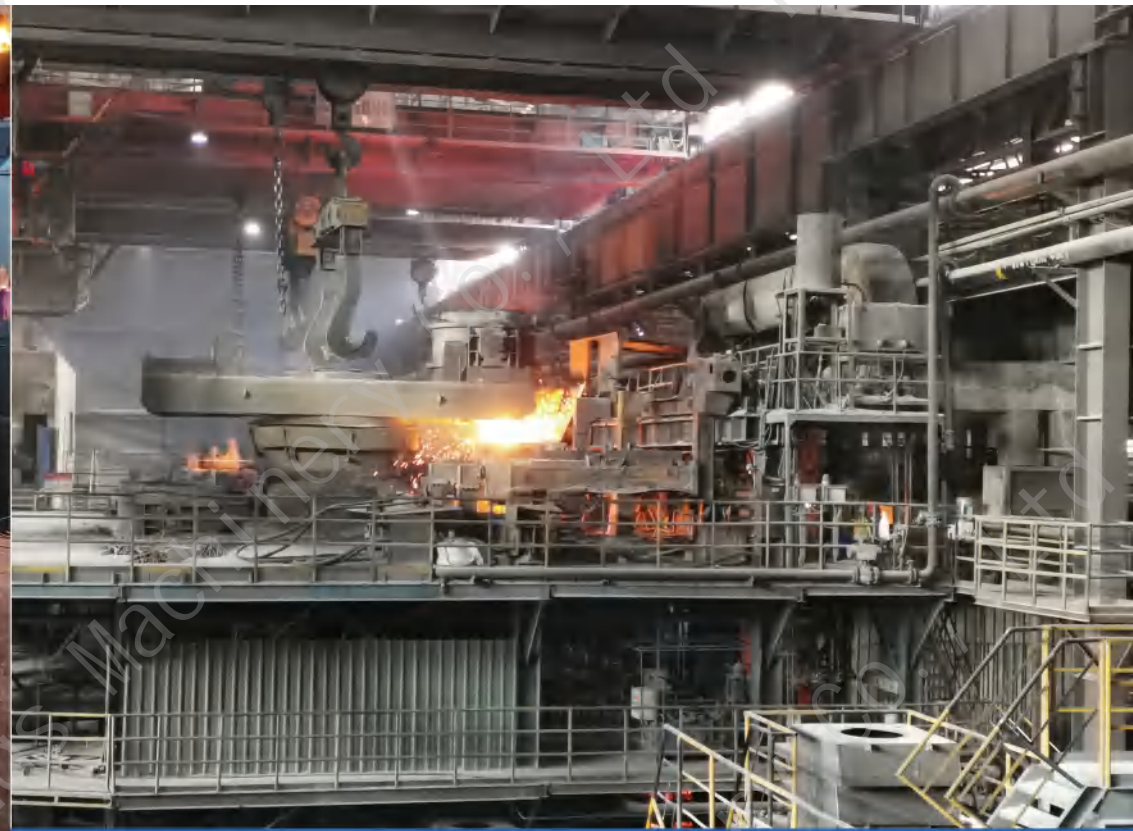




Ladle revolving arm

Ladle revolving arm is one of the main components for steel mill, which transfer the ladle containing high-temperature liquid metal from the furnace mouth to specific sprue gate. Because of the high temperature of service environment and the complex stress condition, it is required to have high safety, high structural strength and high installation accuracy. The precision of each critical dimension shall be strictly controlled for manufacturing the ladle revolving arm.

04



Weld joints are subject to strict ultrasonic test



The whole arm is annealed to remove the stress

05



Buggy ladle

Electric flat car for conveying ladle in steel mill It is powered by a motor that is explosion-proof and high-temperature resistant.

1. It can be operated remotely to avoid high-temperature burns.
2. It runs stably on tracks, so as to prevent the liquid steel splashing to the greatest extent.
3. Its running speed can be freely controlled



SKF bearing is used



Forged traveling crane wheel



Revolving furnace body

Revolving furnace is the core equipment of steelmaking workshop. Designing a revolving furnace that has reasonable furnace type and meets the process requirements is the premise to ensure the normal production in workshop, so the manufacturing quality of revolving furnace is crucial.

Carbon steel for pressure vessels

Material

Ultrasonic test before welding

Automatic submerged arc welding

Welding

Carbon dioxide arc welding

Ultrasonic test of welds

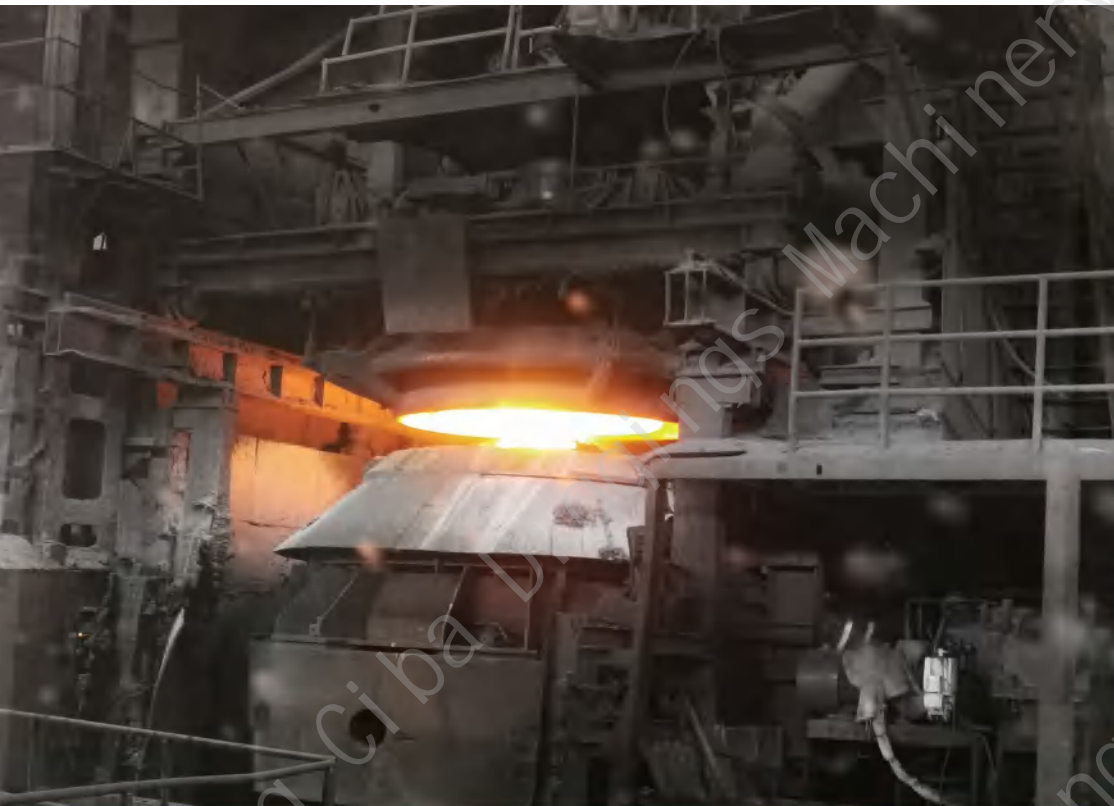
Test

Grade I pressure vessel standard

08



09



Revolving furnace gas purification facility

Movable hood, which is mainly used for better capturing the high-temperature gas during the smelting process of revolving furnace in combination with the fixed hood, and for preventing the intrusion of external air that may affect the gas recycling quality, and preventing the escape of gas that may deteriorate the workshop environment.

- ✓ Manufacturing of boiler pipe
- ✓ Ultra-high pressure hydrostatic test
- ✓ Overall annealing to remove the stress



Movable hood



Water cooled furnace mouth

High precision
More flexible



Translation mechanism



Sizing mechanism



Screwdown structure

Professional manufacturing





Feed opening water tank

Hydrostatic test to ensure no leakage



Rotary funnel

High precision
More flexible