

LUOYANG SHENNAI POWER EQUIPMENT CO., LTD.



COMPANY PROFILE



Luoyang Shennai Power Equipment Co., Ltd. was founded in 2012 year. After around 10 years of development, It has ranked among the top manufacturers of medium frequency heating and melting furnace in China. The company has 150 employees covers an area of 40000 square meters .has a registered capital of twenty-one million RMB. It can provide foundry & steel plant consulting services and helps to set up new foundries and steel plants solutions . The product has been exported to 39 countries:Russia, Belarus, Mongolia, Uzbekistan, Ukraine, Kazakhstan, Tajikistan, Azerbaijan, Georgia, Armenia, Slovakia, Turkey, the United States, Germany, France, Venezuela, Argentina, Colombia, Paraguay, Australia, Morocco, the Philippines, Pakistan, Vietnam, Laos, Myanmar, Nepal, Malaysia, Indonesia, Yemen Bangladesh, Nigeria, Kenya, Romania, Ethiopia, South Africa, Lebanon, Kenya, Zimbabwe.

After years of market cultivation, technology precipitation, and talent reserve, Luoyang Shennai Import & Export Trading Co.,Ltd. Liaoning Shennai Electric Technology Co.,Ltd. And Luoyang Sanyo Intelligent Technology Equipment Co.,Ltd. were successively established in 2019 year.

Shennai obtained a number of invention patents and utility model patents and won the title of "High-tech Enterprise".



SERIES RESONANT INVERTER MEDIUM FREQUENCY POWER SUPPLY

Four-output series inverter IF power supply



24-pulse dual-output series inverter IF power supply

Equipment advantages

- ◆ Significant energy saving effect, saving 20% of electricity compared with ordinary equipment;
- ◆ No high-order harmonics, high power factor, which can reach more than 98%, without reactive power compensation and harmonic control devices;
- ◆ It can realize many-output smelting, the transformer utilization rate is high, and the general transformer capacity usage cost can be saved;
- ◆ Dual-output electric furnaces, two electric furnaces can be poured at the same time, and can also be continuously supplied with molten steel for pouring;
- ◆ Dual-output electric furnaces, the power is distributed at will, and the start-up rate is 100%.





STEEL SHELL FURNACE

Advantages of cyclone dust cover

The cyclone dust cover has excellent dust collection and heating preservation and takes up less space. It can be tipped back and forth and it can stay in any position. It can effectively remove dust during the spheroidization process in front of the furnace.

Anti-drop system

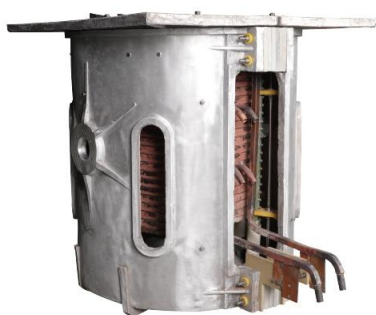
After the furnace body is turned over, the guardrail automatically rises to prevent the furnace worker from accidentally falling into the furnace pit and operate safely.

Induction coil structure characteristics

New flat-wound coil structure, no bakelite column, integral pouring, improve efficiency while reducing vibration, conductive ring and water ring adopt an integrated winding structure.



ALUMINUM SHELL MELTING FURNACE



Equipment advantages

- ◆ Aluminum shell smelting furnace
- ◆ High melting efficiency, good power saving effect, compact structure, strong overload capacity.
- ◆ The temperature around the furnace is low, there is little smoke and dust, and the working environment is good.
- ◆ The operation process is simple and the smelting operation is reliable.
- ◆ The metal composition is uniform.
- ◆ Fast melting temperature rise, easy furnace temperature control, and high production efficiency.
- ◆ High utilization rate of furnace and convenient variety replacement.



IGBT INDUCTION MELTING FURNACE

Medium frequency induction melting machines are mainly used for the melting of steel, stainless steel, iron, copper, brass, bronze, silver, gold, platinum, zinc, aluminum and alloy materials, etc. melting capacity can be from 3kg to 500kg.

Power saving, environmental protection. 0 pollution electromagnetic stirring, smelting more uniform.

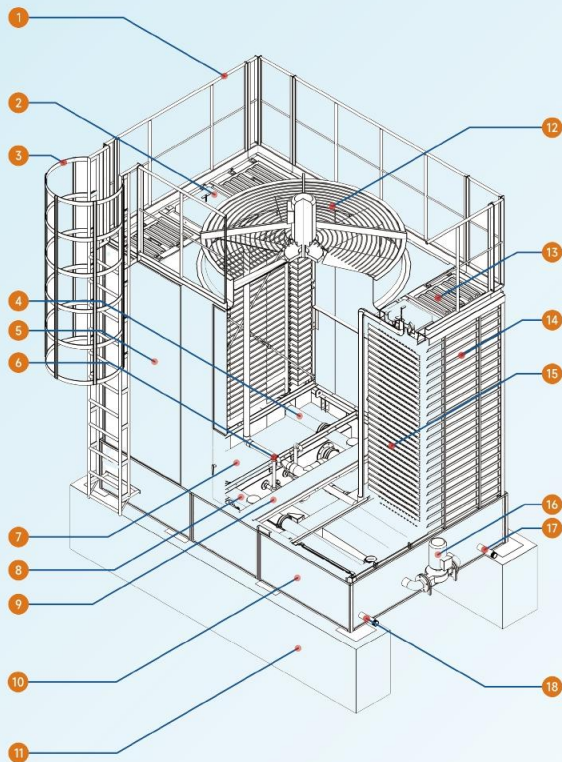
Equipment advantages

1. Installation and operation are very simple and convenient.
2. Ultra-small size, light weight, removable, covering less than one square meter.
3. 24 hours uninterrupted melting capacity.
4. Power saving.
5. It is convenient to replace furnace bodies with different weights, different materials and different firing methods to meet various melting requirements.
6. The ultra-small medium frequency induction heating power supply is completely different from the traditional medium frequency power supply.
7. Good heat permeability and uniform temperature.
8. The medium frequency magnetic field has a magnetic stirring effect on the molten metal, which is beneficial to the uniform composition and scum.
9. According to the recommended equipment and maximum melting capacity, the melting time per furnace is 20-30 minutes.





SHC CROSS FLOW CLOSED COOLING TOWER



1. Guardrail
2. Pressure stabilizing box
3. Cage + ladder
4. Inlet pipe
5. Panel
6. Automatic + manual water supply port
7. Access door
8. Outlet pipe
9. Maintenance walkway
10. Lower water pan
11. Cement foundation (self built by users)
12. Direct drive fan
13. Cover plate of drenching tank
14. Air inlet louver
15. Heat exchanger
16. Spray water pump
17. Sewage outlet
18. Overflow port



ALUMINUM INGOT CASTING MACHINE



Advantages of the equipment

The flow is automatically regulated, and the flow of molten aluminum is stable and uniform.

The driving device can be adjusted by one button and has overload protection.

Custom cast ingot film, shape and trademark can be designed and cast according to user requirements.



Stable structure Reinforced welding

The frame of the casting machine is made of heavy-duty steel structure welding, and the reinforced welding structure prevents deformation and vibration during normal casting operations.

Adjustable flow Split casting

Through the monitoring of the flow, the size of the outlet of the diversion tank is automatically controlled, so that the flow of the aluminum liquid is stable and uniform.



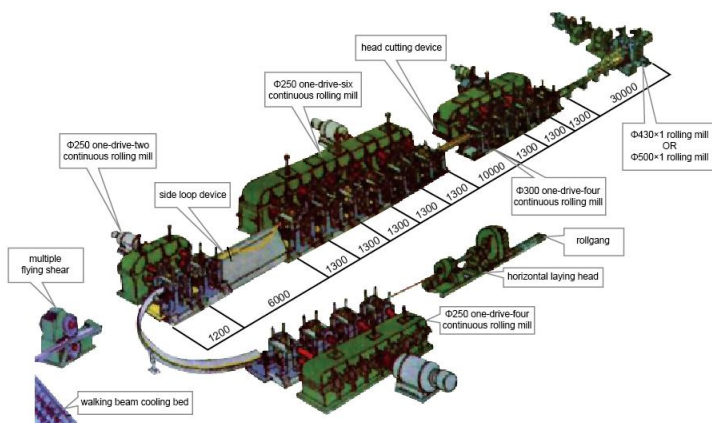
Customize Casting ingot mold

The shape and trademark of the inner cavity of the mold can be designed and cast according to the user's requirements. The overlapping link installation between the molds prevents the water from the cooling water tank from entering the mold.

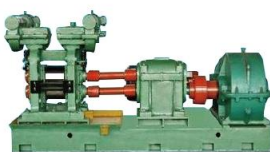


Continuous Casting Machine

The continuous casting machine is a device that continuously casts molten steel to form a slab with a certain shape and size. The entire continuous casting process is called continuous steel casting. In the entire continuous steel casting process, a lot of equipment is needed, such as steel pouring equipment, continuous caster equipment, ingot bar equipment, conveying equipment, etc.

120-150MM square billet rolling ($\Phi 10$ - $\Phi 25$ bar), $\Phi 6.5$ - $\Phi 8$ wire rod sketch map

4-Hi rolling mill



Herringbone gear



Disk flying shear



Φ250-Φ650 continuous rolling mill



Φ250-Φ500 short stress rolling mill



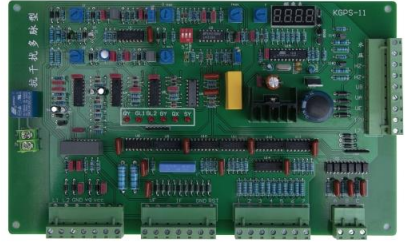
Φ250-Φ300 one-drive-two continuous



ACCESSORIES



Induction coil



Main control board



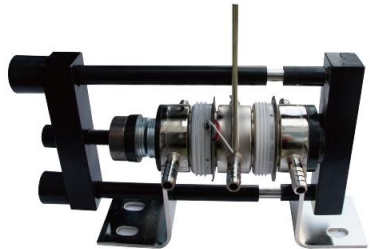
Water cooled cable connector



Mill roll



Thyristor



Water cooled radiator rack



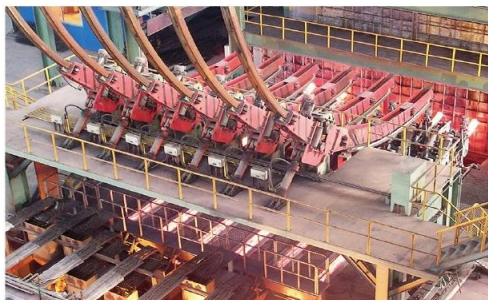
Water cooled cable



Quick fuse

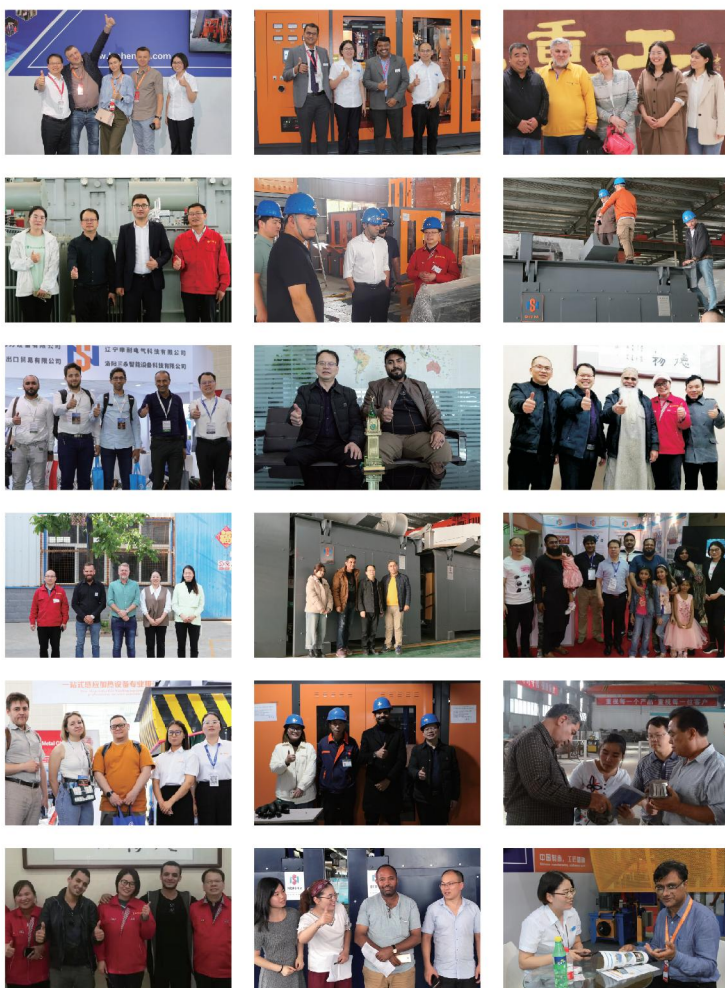


CLIENTS' SITE





SHENNAI GUEST



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