



Carefully crafted to serve the world

LuoYang IDM Metallurgy Trading Co., Ltd.

IDM METALLURGY

LuoYang IDM is committed to the development of industries such as smelting and casting equipment in China, and has its own unique advantages in this field. For many years, the company has always prioritized technological research and development, and has carried out a series of upgrades and improvements to its products, enhancing their competitiveness. Currently, we have maintained friendly cooperative relationships with many countries in Central Asia, the Commonwealth of Independent States, South America, and more.


Heat treatment furnace

Melting furnace


Rolling mill

Foundry equipment

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Ribbed Rebar Steel Rolling Mill

Ribbed Rebar Steel Rolling Mill uses hot-rolled round wire rods to undergo multiple passes of cold rolling deceleration and one pass of compress the ribs, after internal stress eliminated, forming a two sided or three-sided crescent-shaped rebar. In prestressed concrete components, it is an replacement product of cold-drawn low-carbon steel wire. In cast-in-situ concrete structures, it can replace Grade I steel bars to save steel. It is one of the better products of the cold-processed steel products.



What is Ribbed Rebar Steel Rolling Mill

The products rolled out by the cold-rolled ribbed rebar production line are "cold-rolled ribbed rebar" It refers to the rebars that are made of hot-rolled round wire rods, firstly cold-rolled to reduce their diameter, and then rolled out ridges on the surfaces. The diameter is generally 5-12MM, commonly known as small threads. It is mainly used for various cast-in-place board, and its strength reaches Grade 3 steel standards. It is a deep-processed product of hot-rolled round wire rods and an emerging high-efficiency construction steel.

Introduction to Ribbed Rebar Steel Rolling Mill

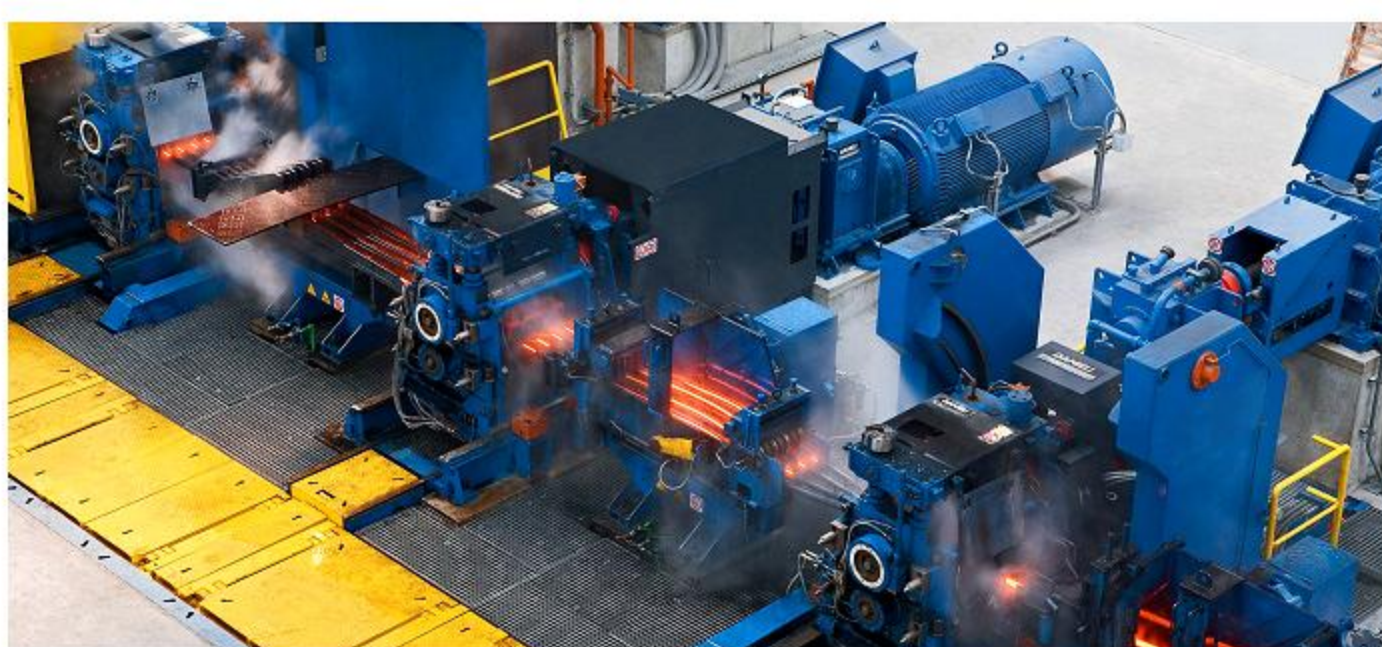
Ribbed Rebar Steel Rolling Mill adopts an advanced automated control system, which can automatically cold-roll steel wire rods with high production efficiency. And because the cold rolling process does

not require heat treatment, it greatly saves energy consumption compared with traditional hot-rolled ribbed rebar equipment.

The ribbed rebar produced by cold-rolled Ribbed Rebar Rolling Mill have high strength and good toughness and can meet the requirements of various construction projects. During the cold rolling process, longitudinal ribs are formed on the surface through rolling, which increases the tensile properties of the rebars and the bonding performance with concrete.

Cold-rolled Ribbed Rebar Rolling equipment uses advanced processing technology to accurately control the size and shape of the rebar to ensure the quality consistency of each. This is particularly important for situations where dimensional accuracy is very high in construction projects.

The Cold-rolled Ribbed Rebar Rolling equipment adopts a user-friendly interface design and is simple and convenient to operate. Employees only need simple training to skillfully operate the equipment and improve production efficiency.



High Quality

Using silicon controlled rectifier IGBT inverter technology and solid-state heating power supply rectifier side control technology, the alternating magnetic field is used to induce eddy current to heat the rebar and control the heating temperature, thereby achieving online heat treatment for the cold rolled rebar, eliminating rolling internal stress and increasing the ductility of the rebar.

Good Performance

Through system integration, centralized monitoring control and management of the entire production line are realized. Intelligent design achieves the demands of automatic fault alarms, automatic prompts of fault content, and automatic backup of fault information. Equipment maintenance is simpler. The entire production line adopts 10-inch Lcd touch screen is more convenient to operate.



Product features

The equipment designed and manufactured by our company is safe and reliable, has strong durability, high adjustment accuracy, simple operation and high work efficiency, and can fully meet various types of production needs.



Working Principle

The ordinary steel bar undergo pre-treatment, such as removing surface rust and impurities. Then the steel bar passed through the forming rolls of the cold-rolled ribbed rebar equipment and are forced through the complex convex and concave shapes on the rolls, creating ribs on the surface of the steel bar. Finally, the processed cold-rolled ribbed steel bars undergo subsequent processing such as shearing to obtain the required specifications and lengths. Ribbed steel bar equipment has been carefully designed and optimized to have strong advantages in mechanical force and metal processing capabilities and can handle various specifications and types of steel bars to meet the needs of different projects.

Type	Power	Rolling Speed	Feeding Section	Rolling Specification
	KW	M/S	mm	mm
H350	450	2.5-17	90*90	Φ5.5-32
H450	630	2.5-17	130*130	Φ5.5-32
H550	800	2.5-17	150*150	Φ5.5-32

Heat treatment furnace factory

Factory Introduction

In order to continuously improve the quality of thermal treatment furnace, we have carried out unremitting research in the four aspects of safety, stability, efficiency, and energy saving for many years, and conducted experiments and explorations around the two major topics of reducing power consumption and reducing heat loss. Today, IDM's thermal processing furnace has an excellent performance in terms of product performance, and has established trust with customers from all over the world to meet their needs for high quality products.



Melting furnace factory

Factory Introduction

The development, production and technical upgrade of the intermediate frequency induction furnace and the sensing heating control system is one of the operating projects of IDM Metallurgy Group. The R & D Center is located in Cangzhou City and Factory of Hebei Province, China, and is located in Tangshan City Hebei Province, China. It covers an area of more than 15,000 square meters. It has a complete sales and after-sales service system. The products are sold to more than 70 countries and have been well received by customers.



Rolling mill factory

Factory Introduction

The IDM Metallurgy Group's rolling machine is located in the industrial park of Tangshan City, Hebei Province, China. It covers an area of more than 20,000 square meters. It integrates production, research and development, and sales. The comprehensive strength is among the top domestic industry. In 2016 technical cooperation with many universities in China, in -depth research in the safety and stability of the rolling machine, continuously improved product quality, and won the recognition of customers at home and abroad.



Foundry equipment factory

Factory Introduction

As the core product of the IDM Industrial Group, the casting equipment has a large proportion in the annual export share. Resin Sand Casting Line, Static Pressure Automatic Molding Line, Iron Mold Sand Coated Casting Plant and other equipment were exported to South America Eastern Europe, Africa, and West Asia, and were widely used in automotive, ships, steel, and aerospace and other fields. Mature production technology and thoughtful after sales service are important guarantees for overseas customers to establish a cooperative relationship with IDM.

