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## COMPANY INTRODUCTION

Hangjinyuan Metal Products Manufacturing Co., Ltd. is a comprehensive production enterprise. Is a research and development, production, sales integration of screen manufacturers, scientific research ability is strong, product range is complete. Production, sales, installation: 65 manganese steel screen mesh, hot galvanized steel wire ginning mesh, stainless steel wire ginning mesh, polyurethane screen mesh, anti-blocking screen mesh, welding screen mesh, punching screen, mining machinery accessories and other wire mesh products and import and export business. The products are sold all over the country, and the high-quality product quality and the most competitive price have won the praise and praise of customers.

Our company adheres to the business philosophy of "customer-centric, low price and high quality as the basis, quality service as the means, and ultimately customer satisfaction as the goal", we firmly believe that: Each product is an advertisement, and we with absolute preferential prices, first-class technical equipment, perfect after-sales service to win the trust of users, my company sincerely hope to cooperate with new and old customers!

Our company's integrity, strength and product quality have been recognized by the industry. Welcome friends from all walks of life to visit, guidance and business negotiations.

# Enterprise qualification





## Company real scene



## DIRECTORY

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# 65Mn Woven screen mesh

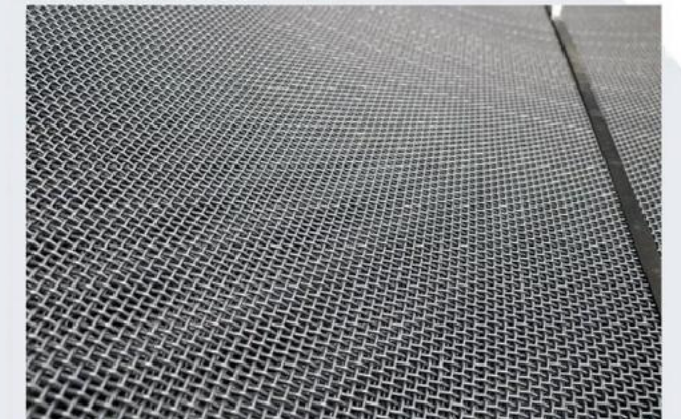
65 Mn screen mesh is a screen product woven with manganese steel wire, which has the characteristics of high strength, high wear resistance and high toughness. It is made of 65 manganese steel, with a wire diameter range of 1.6mm-12mm, and has good plasticity and toughness. When subjected to strong impact and friction, the surface is hardened due to plastic deformation, and the surface hardness value can be increased to above HRC60, thereby obtaining higher wear resistance, while the interior still maintains high plasticity and toughness.

## Application Areas

65 manganese steel screen is widely used in mining, coal, oil, fertilizer, food, environmental protection and other industries. Specific applications include mining vibration screen, drum screen, electromagnetic high-frequency screen, asphalt mixer and other machinery protection net. Its unique weaving structure and excellent physical properties make it perform well in screening, filtering, dehydration, desludging and other operations.

## Performance characteristics

- ◆ 1. High strength: 65 manganese steel screen has high strength and rigidity, and can withstand greater pressure and impact
- ◆ 2. High wear resistance: Under strong impact and friction, the surface hardness value can be increased to above HRC60, and the wear resistance is remarkable.
- ◆ 3. High toughness: Even under pressure and impact, the screen can still maintain good plasticity and toughness.
- ◆ 4. Corrosion resistance: Surface treatment enables the screen to maintain good performance in harsh environments.
- ◆ 5. Long service life: When the surface is worn, a new wear-resistant layer will form on the surface, so the service life is longer.



# Hot dip galvanized crimped wire mesh

Hot-dip galvanized crimped wire mesh is a steel wire crimping mesh that has been hot-dip galvanized. It has the characteristics of high temperature resistance, acid and alkali resistance, corrosion resistance, and wear resistance. It is made of stainless steel wire that is pre-bent into a wavy shape and woven in a plain weave. The metal wire is pre-bent into a mold to ensure the consistency of the mesh size.

## Weaving method and characteristics

The weaving method of hot-dip galvanized steel wire crimping mesh includes first rolling and then weaving, specifically two-way wave separation bending, locking bending, flat top bending, two-way bending, one-way wave separation bending, etc. It has a strong structure, square mesh, not easy to deform, strong tensile force, and not easy to corrode.

## Application

Hot-dip galvanized crimped wire mesh is widely used for screening and filtering, especially in acid and alkaline environments. It is used as a mud net in the petroleum industry, as a screen in the chemical fiber industry, and as a pickling net in the electroplating industry. In addition, it is also used in construction, machinery accessories, protection nets, packaging nets, barbecue nets, barbecue oven nets, sintering furnace nets, hardware nets, handicraft nets, vibrating screens, basket nets, food machinery nets, cooking utensils nets, wall nets, grain, roads, railways, infrastructure nets, etc.

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# Stainless steel crimped wire mesh

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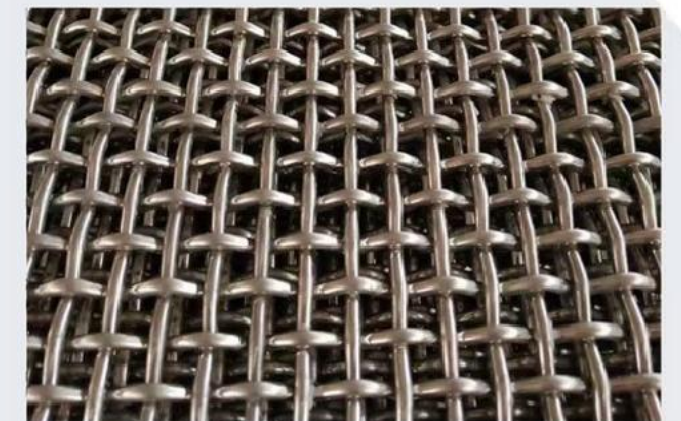
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Due to the special properties of stainless steel, stainless steel crimped wire mesh is often used in industries with strict requirements on stability. For example, it is used in the food industry as a basket for food, and in the chemical industry for screening and filtering under acidic and alkaline conditions. It is used as a pickling net in the electroplating industry, a mud net in the petroleum industry, a decorative net for architectural decoration, and an oil-water separator in the automotive industry. Stainless steel crimped mesh is now widely used in mining, chemical, pharmaceutical, petroleum, metallurgy, machinery, protection, construction, handicrafts and other industries.

**Material:** stainless steel wire 301, 302, 304, 304L, 316, 316L, 321, etc.

**Weaving:** crimp first and then weave, two-way bending, two-way wave isolation bending, one-way bending

**Features:** woven by special technology, flat mesh surface, strong structure and durability, it is an innovative product for pig cleaning equipment. It has a stable structure, strong impact resistance, wear resistance, low cost, long-term uniform mesh, and beautiful appearance.



# Polyurethane screen mesh

Polyurethane screen mesh is a high-performance screen material with the advantages of wear resistance, corrosion resistance, high temperature resistance, high strength and light weight. It is widely used in screening, filtration and separation in the chemical, petroleum, metallurgy, medicine, food and other industries. Polyurethane screen is composed of polyurethane resin, filler and additives, and is made through special production equipment and process flow.

The application field of polyurethane screen is very wide, mainly including:

**Mining:** used for screening and washing of ore to improve ore dressing efficiency and ore quality.

**Chemical industry:** used for filtering and separation of liquids to ensure the continuity and stability of the production process.

**Environmental protection:** used in the filtration link of sewage treatment and solid waste treatment to improve the treatment effect.

**Food and medicine:** to ensure product quality and safety



# Self-cleaning screen

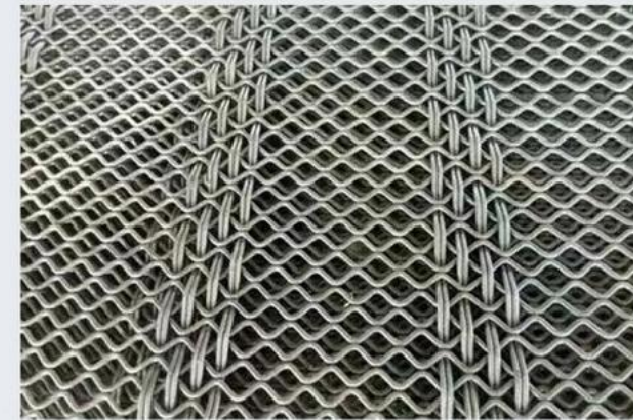
The Self-cleaning screen is a screen specially designed to prevent material blockage, which is widely used in various industrial production fields, such as chemical industry, coal, metallurgy, pharmaceutical industry, etc. Its main function is to ensure that the material remains unobstructed during the screening and filtering process, prevent the screen from being blocked, and thus improve production efficiency and product quality.

## Material and processing technology

The material of the self-cleaning screen is usually Beka manganese steel, which has high hardness, elasticity and yield strength, and can better resist wear and blockage. The processing technology includes ginning weaving, longitudinal gluing, etc., which makes the anti-blocking screen more durable.

## Application scenario

The Self-cleaning screen is widely used in various industrial production fields, such as chemical industry, coal, metallurgy, pharmaceutical industry, etc. In these industries, materials need to be screened and filtered during the production process to ensure product quality and production efficiency. The application of anti-blocking screen makes the production process smoother and reduces the shutdown and maintenance costs caused by blockage.



# Welding screen mesh

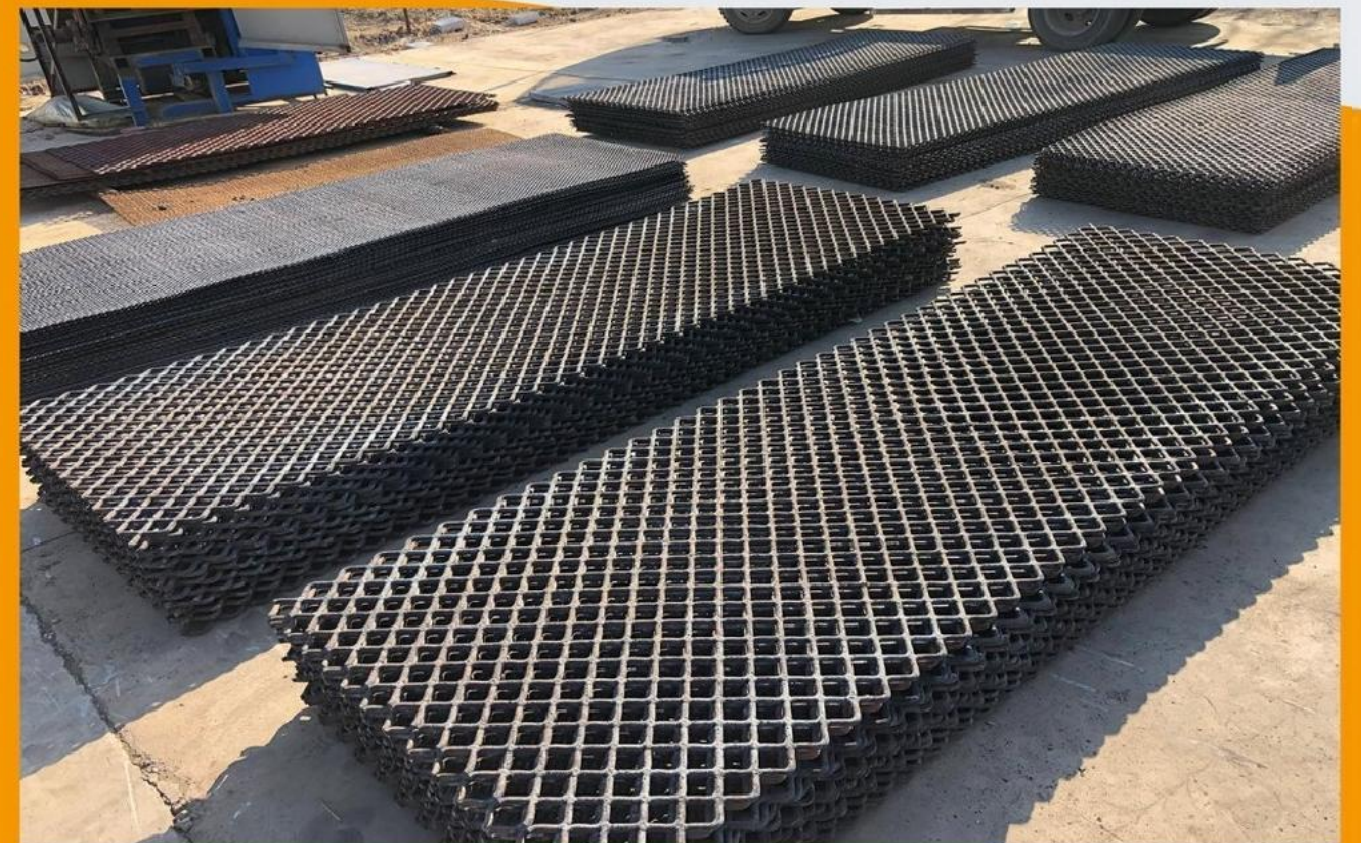
Welding screen mesh is a commonly used industrial screening equipment. It uses advanced welding technology to weld metal wires (such as stainless steel wire, iron wire, copper wire, etc.) into a mesh structure. It has the characteristics of flat screen surface, uniform mesh, and solid structure.

Welding screen mesh has the following main features and advantages:

**High strength and wear resistance:** Welding screen mesh adopts mechanized and automated production, stable welding quality, and metal wire has been specially treated to have high wear resistance and corrosion resistance. It can withstand high-load screening operations and has a long service life.

**High efficiency and low maintenance cost:** Welding screen mesh has a high opening rate and permeability, which can quickly complete the screening operation of materials and improve production efficiency. At the same time, due to its long service life, the number of maintenance and replacement is relatively small, and the overall cost is low.

**Wide application:** Welding screen mesh is widely used in mining, construction, environmental protection, agriculture, food and other fields. In mining, welded screens are used for screening of ores; in construction, for screening of concrete aggregates; in environmental engineering, for sorting and screening of waste; in agriculture and food industry, for screening and grading of feed and food raw materials.



# Perforated screen mesh

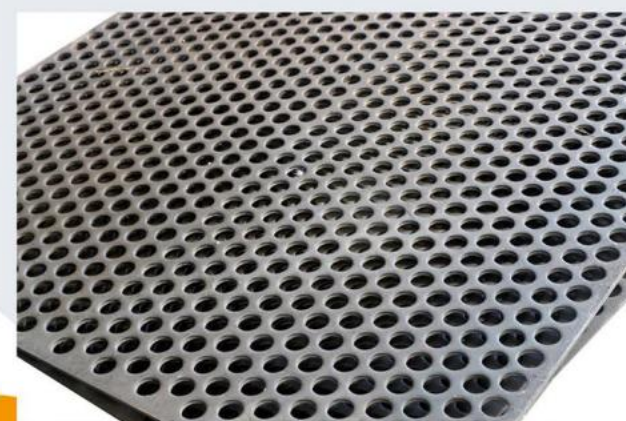
Perforated screen mesh is a screen that uses a punch press to punch out the target pattern in the plate to be processed. It is widely used in mining, construction and other fields. The perforated screen of the mine screen is constantly adapting to different needs with its convenience, speed, high accuracy and strong controllability. Its materials include stainless steel, aluminum plate, etc., and the hole types are diverse, such as long holes, round holes, square holes, etc., which are suitable for various environments and application scenarios.

The materials of the perforated screen mesh of the mine screen are diverse, including stainless steel, aluminum plate, hot and cold steel plate, copper plate, etc. These materials have good wear resistance, corrosion resistance and high temperature resistance, ensuring that the screen can still maintain high efficiency in harsh environments. In addition, the perforated screen of the mine screen is light in weight, non-slip, beautiful and generous, with good filtering performance, and is suitable for a variety of industrial applications.

The perforated screen mesh of the mine screen has a wide range of applications, including mining vibrating screens in the mining industry, noise control barriers for highways, and sound insulation of building walls. Its lightweight concave and convex circular hole design is used for platforms, pedals, etc., and filters and various filter valves also adopt this design. The mine screen punching screen is also used in grain, feed, mining, grinding screens, mine screens, etc., as well as stainless steel fruit baskets and other kitchen utensils used in kitchen equipment.

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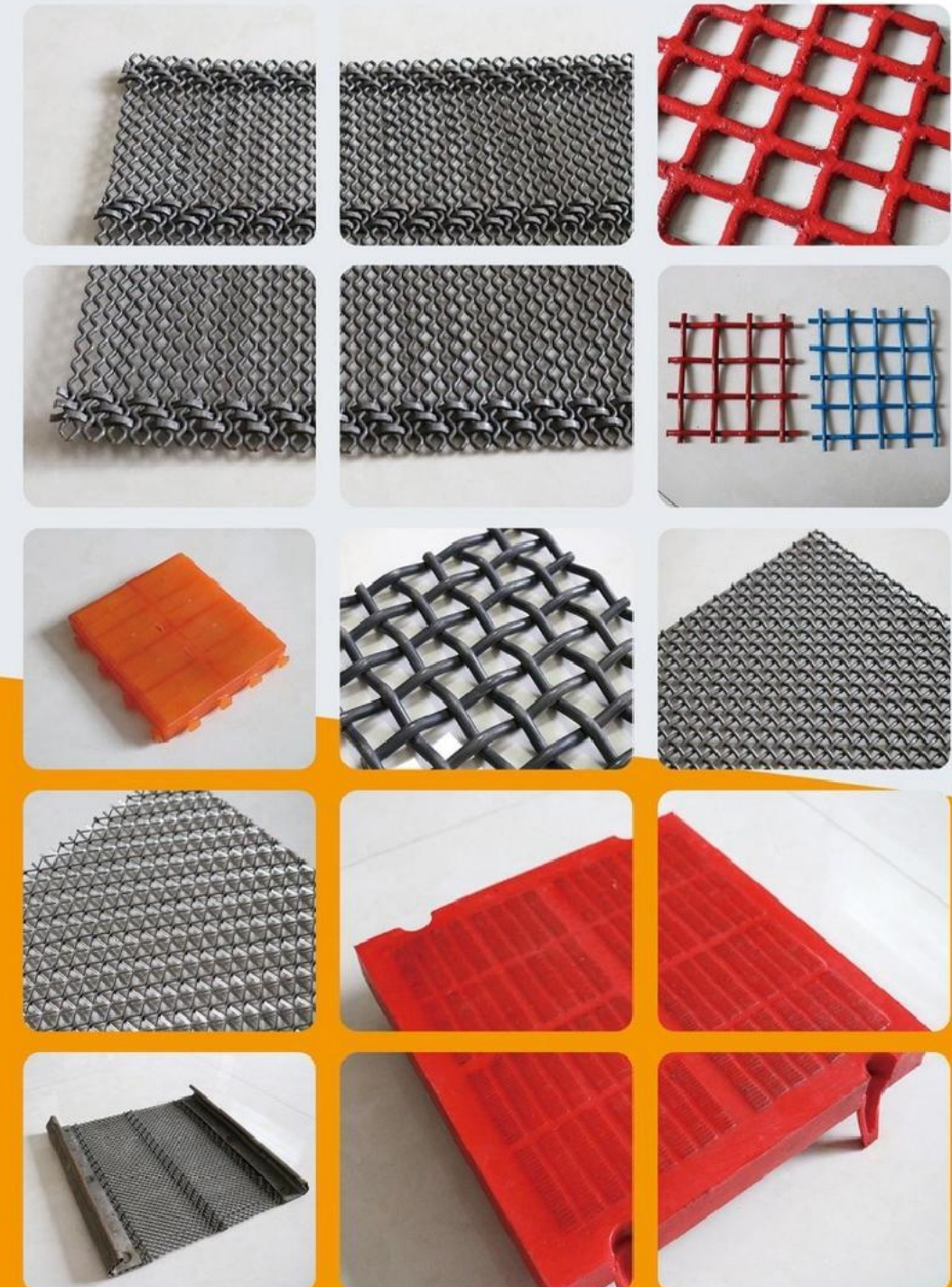


# Mining machinery parts



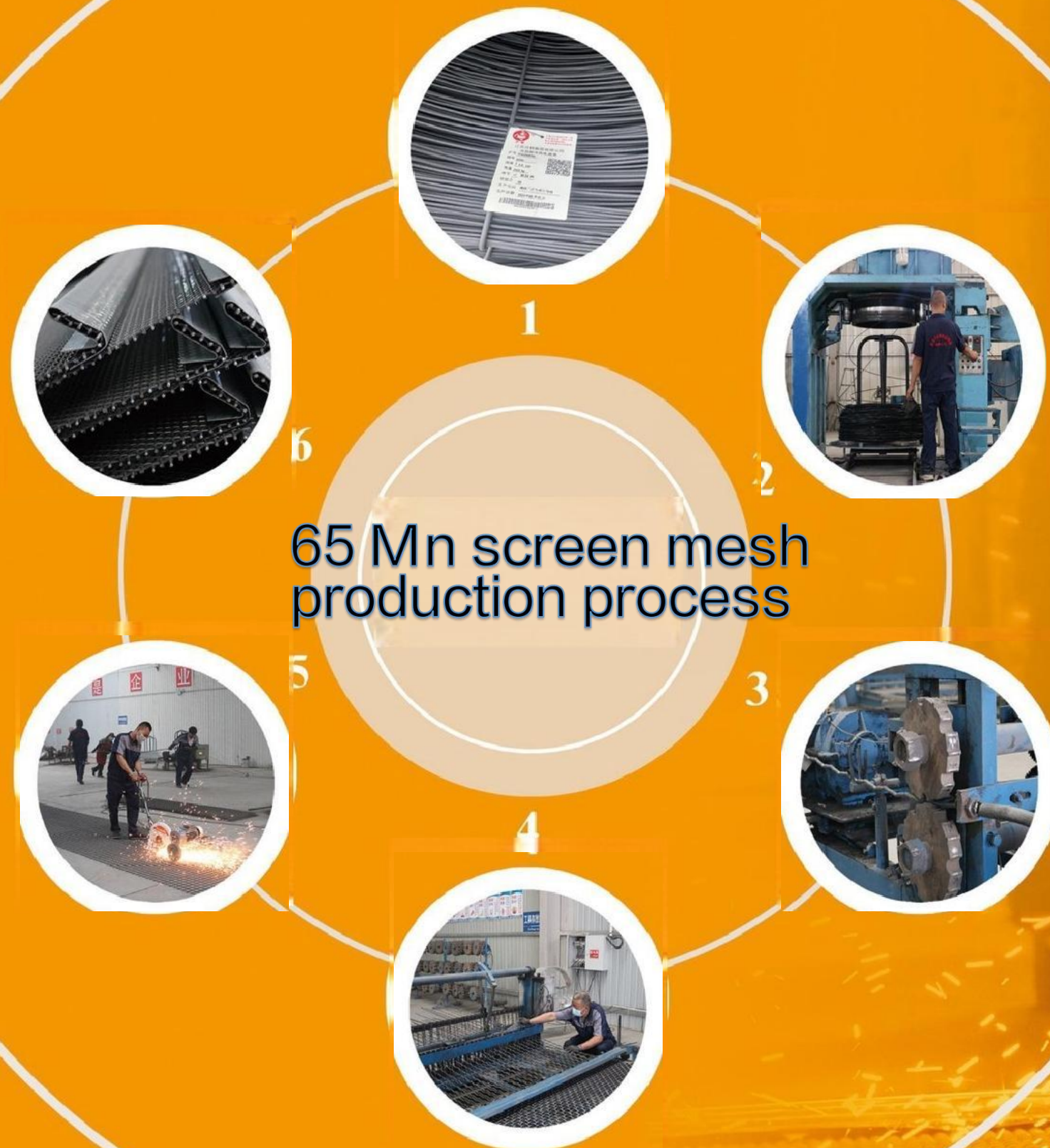
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Company Samples

## 65 Mn screen mesh production process



## 65 Mn screen mesh production process

1. The raw material is 65 manganese steel wire rod
2. Start drawing 65 manganese steel wire
3. Start embossing according to the mesh requirements
4. Weave the net
5. Measure the size and cut the mesh
6. Finally, the screen is edged and bent

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65 Mn wire rod



65 Mn wire rod stock





65 Mn wire drawing process



A





65 Mn wire stock





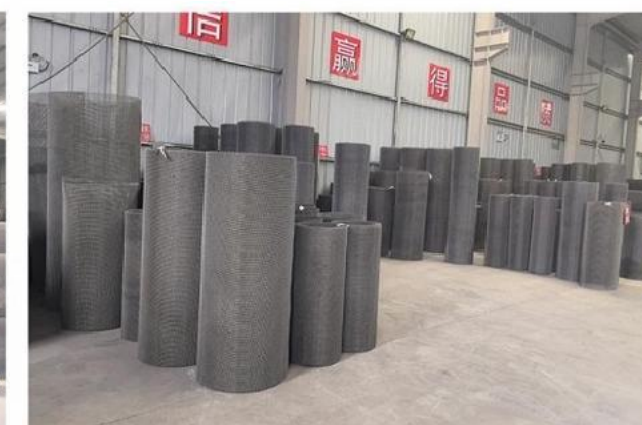
## Screen mesh production workshop

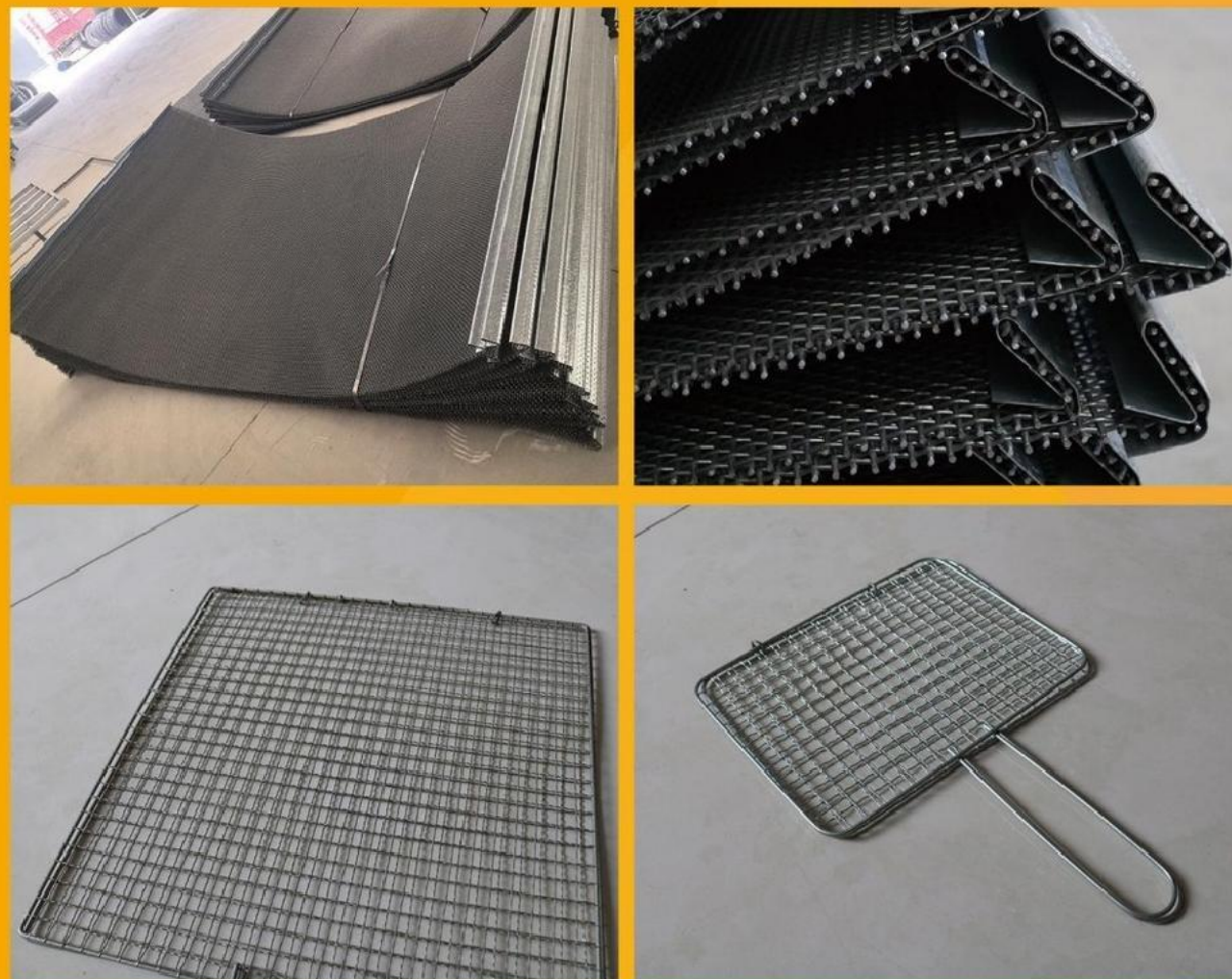
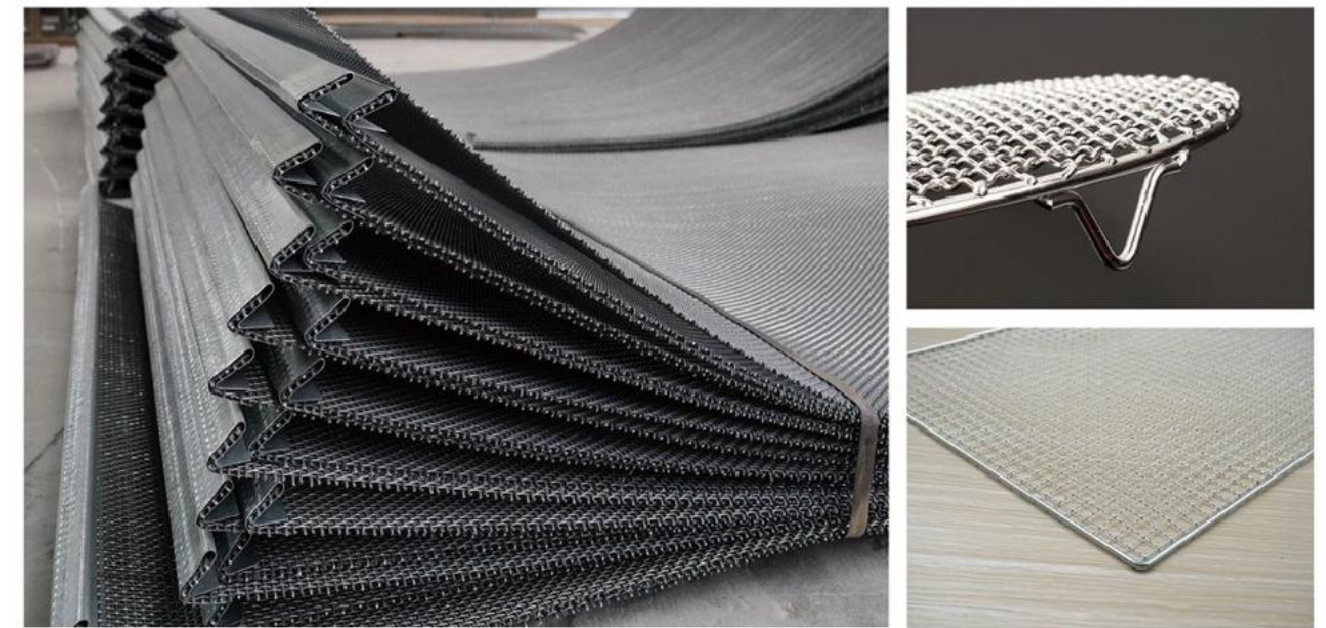
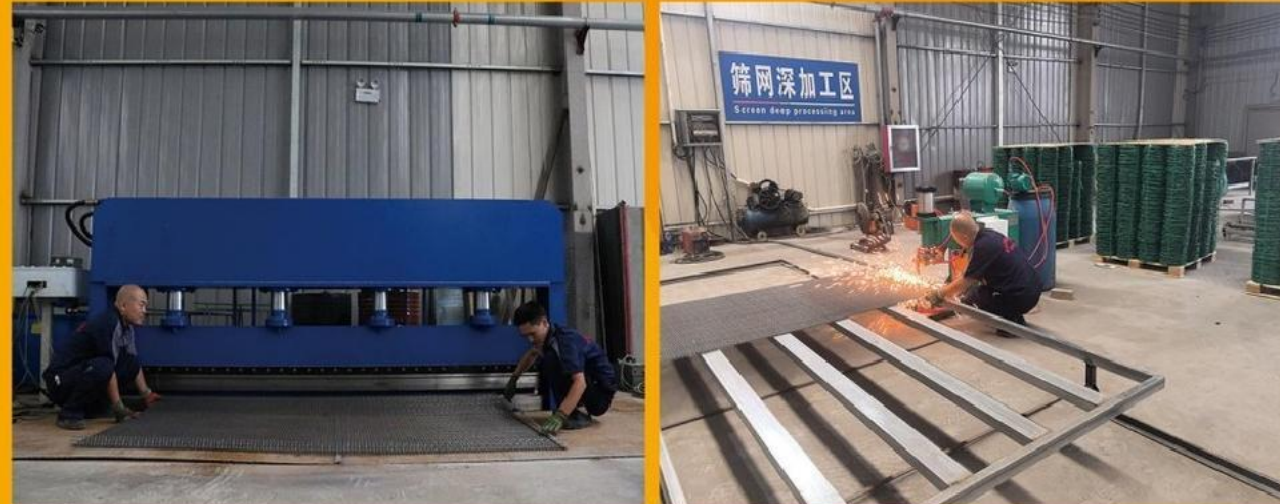
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## Screen mesh stock





## Deep processing

