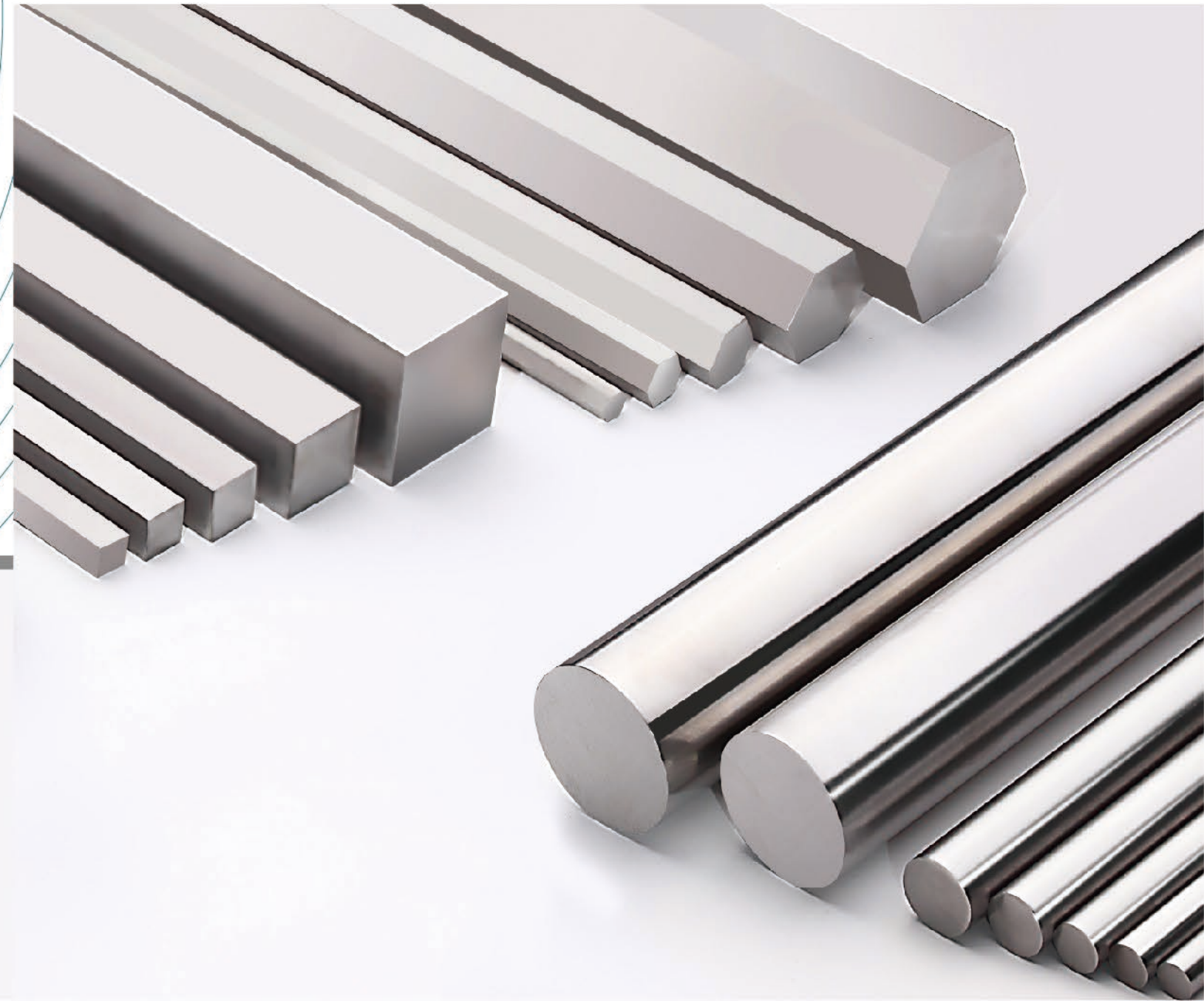




## *Xindali Section Steel* —

Providing customers with high quality products is what we always pursuing



### Shenyang Xindali Section Steel Co., Ltd.

Sales Department

Email: [xdlsteel@yeah.net](mailto:xdlsteel@yeah.net)

Website: <https://www.xdlsteel.com>

Company Address: 323 Room, Excellence Building, No.10 Huigong Street, Shenhe District, Shenyang City, Liaoning Province, P. R. China.

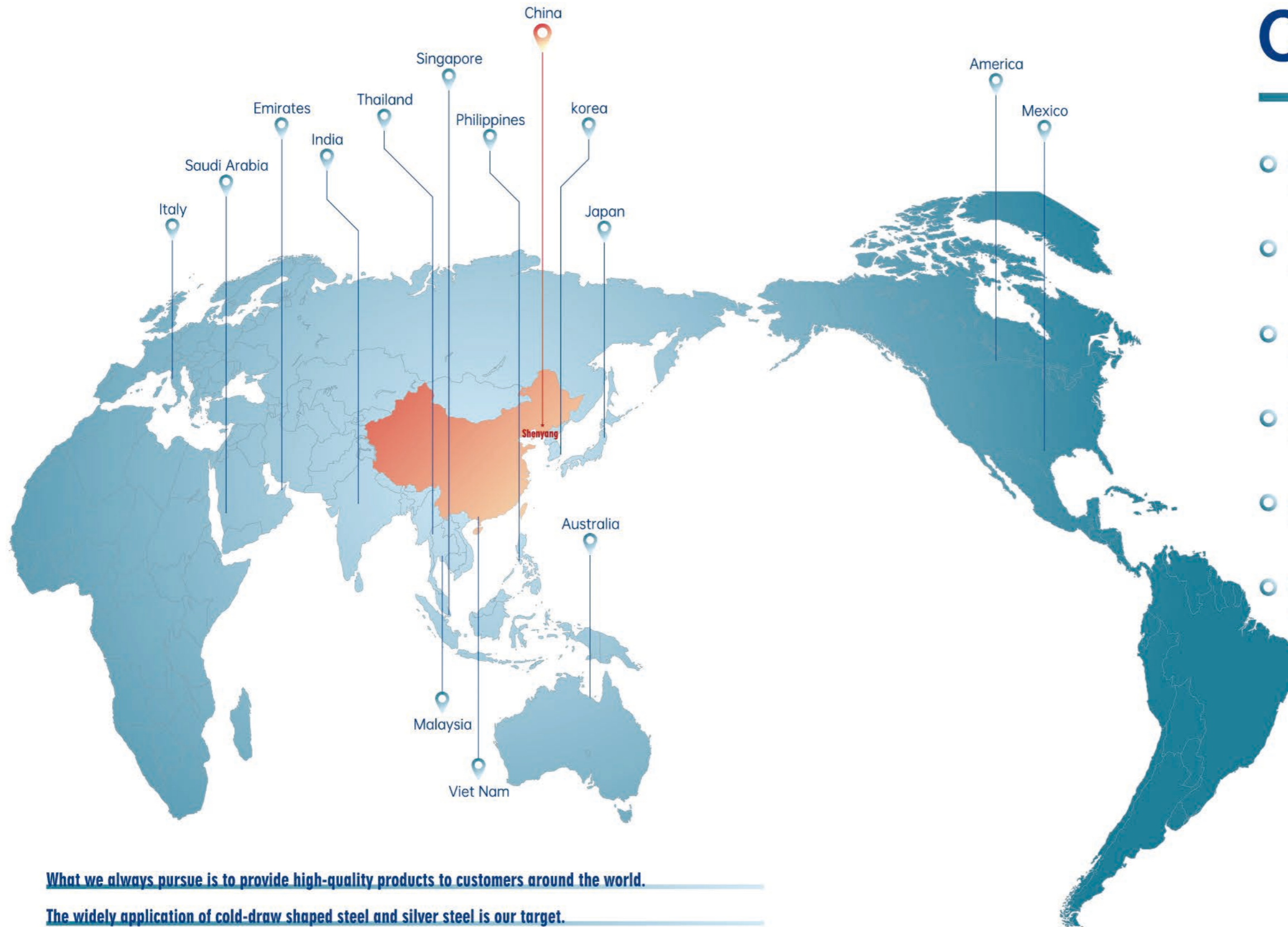
Zip Code: 110013

Factory Address: No. 9 Central Street, Yilu Industrial Park, Tieling County, Liaoning Province, P. R. China.

Zip Code: 112600



# CATALOGUE



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**What we always pursue is to provide high-quality products to customers around the world.**

**The widely application of cold-draw shaped steel and silver steel is our target.**

**Supplying service to the customers worldwide with strong technical and substantial productivity.**

**Perfect on sense, attain consummate skills, make in superb technology and excellent craft.**



# XINDALI SECTION STEEL

Adhering to the history  
Making splendid accomplishment



## COMPANY PROFILE

Shenyang Xindali Section Steel Co., Ltd. was established in 2015. The headquarters production base is Liaoning Xindali Section Steel established in 1988, with a history over thirty years. The construction of the factory area includes a cold-drawing heat treatment workshop, a silver-bright steel workshop, a joint drawing workshop, and a research and development center.

After years of development, with advanced equipment and perfect R&D and production mechanism, our company has developed into the largest special steel profile finishing enterprise specializing in the production of cold-drawn steel and silver-bright steel in the Northeast of China. Up to now, the company's market share in the field of military industry and auto parts leads the same industry, with an annual production capacity of more than 20,000 tons, and its technical process leads other processing enterprises.

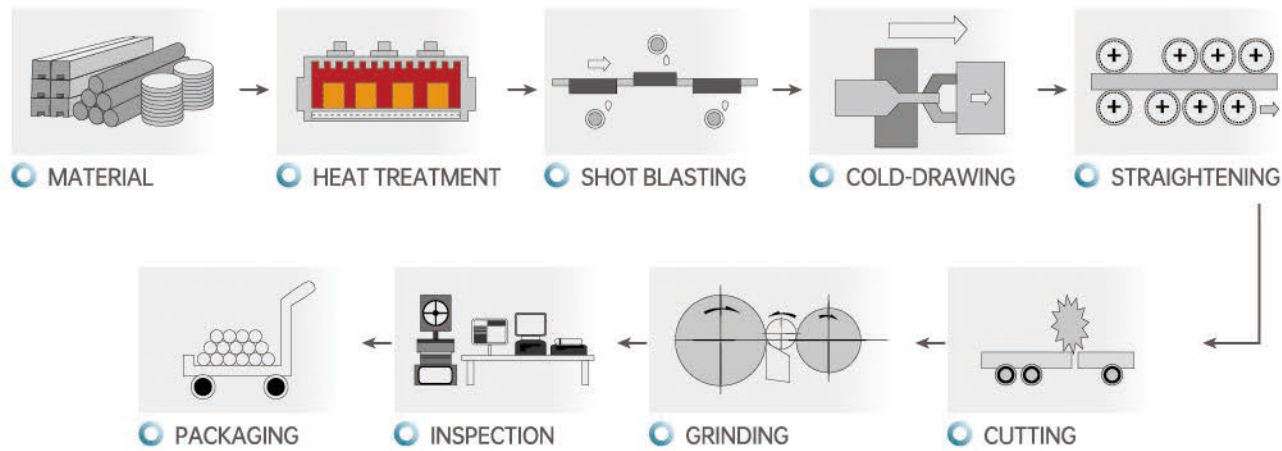
The company has 80 employees, including 15 engineers and technicians, 8 people with intermediate titles or above, and 13 senior technical workers are hired from major metallurgical enterprises. The implementation of the 5S management system has realized the effective management and allocation of resources, and achieved the management goals of standardized operation of all employees, improving production efficiency, and ensuring product quality. To ensure that every product that leaves the factory meets customer needs and meets quality standards.

The company is now equipped with 7 sets of straight drawing machines, 7 sets of automatic electric annealing furnaces, 2 sets of straight shot blasting machines, 3 sets of round shot blasting machines, 4 sets of centerless lathes, and 5 sets of  $\Phi 10\text{-}\Phi 50$  straightening and rolling machines. Taiwan, 2  $\Phi 20\text{-}\Phi 80$  straightening and rolling machines, 1 Japanese ten-roll straightening machine, 10 centerless grinding machines and other equipment. It also has an 8-ton combined drawing production line and a 10-ton combined drawing two independent production lines collection, etc.

Company Name	Shenyang Xindali Section Steel Co., Ltd.
Company History	Factory Liaoning Xindali Section Steel Co., Ltd. was established in 1988
Area Covered	Covers an area of 20,000 square meters.
Product Category	Cold-drawn round steel, Cold-drawn square steel, Cold-drawn flat steel, Cold-drawn hexagonal steel, Cold-drawn profile, Silver bright steel, etc.
Steel Grade	Carbon steel, Alloy steel, Bearing steel, Stainless steel, Spring steel, High-temperature alloy steel, etc.
Annual Output	More than 20,000 tons.
Application Field	Widely used in military, rail transit, automobile, engineering machinery, industrial automation and other fields.
Certificate	GB/T19001-2008/ISO9001:2008, I ATF 16949:2016, G JB9001B-2009, G JB9001C-2017.



# TECHNOLOGICAL PROCESS



XINDALI SECTION STEEL

## PROCESS 1

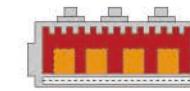
### MATERIAL

The raw materials used for our products are all from well-known large steel mills in China, such as China Baowu Steel Group, Jiangyin Xingcheng Special Steel, Jiangsu Shagang Group, Angang Steel Group, Zhejiang Tsingshan Steel, etc. And our company maintains long-term strategic supply cooperation relationships with HBIS Group Shisteel, Dongbei Special Steel Group, and Jianlong Beiman Special Steel, etc.



## PROCESS 2

### HEAT TREATMENT

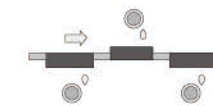


Heat treatment is needed in order to average and stabilize the metallographic structure of steel, as well as improve its mechanical or processing properties. During the cold drawing process, steel needs to undergo annealing treatment in order to reduce the hardness, improve plasticity, and reduce residual stress of the steel.



## PROCESS 3

### SHOT BLASTING



Before cold drawing of steel, it is necessary to conduct shot blasting treatment on the steel surface to remove the oxide layer on the material surface. So as to obtain a consistent metallic luster on the steel surface and prepare for the subsequent cold drawing process.





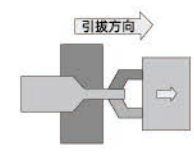


# PROCESS 4

## COLD-DRAWING

Hot rolled steel can be cold drawn after preliminary heat treatment and shot blasting procedures. Cold drawing refers to the use of cold extrusion technology to draw high-precision, smooth surface product shapes according to customer size requirements, such as round steel, square steel, flat steel, hexagonal steel, and special-shaped steel through precise alloy molds.

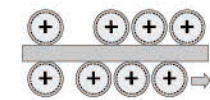
Cold drawn steel is deformed by cold extrusion to achieve the shape, specifications, dimensional tolerances, etc. required by customers. Compared to the materials consumed by traditional lathe machining, cold-drawn steel can greatly save materials for customers, reduce costs, and improve production efficiency. Cold drawn steel is widely used in automotive components, mechanical equipment, electrical appliances, and other product components.



XINDALI SECTION STEEL

# PROCESS 5

## STRAIGHTENING

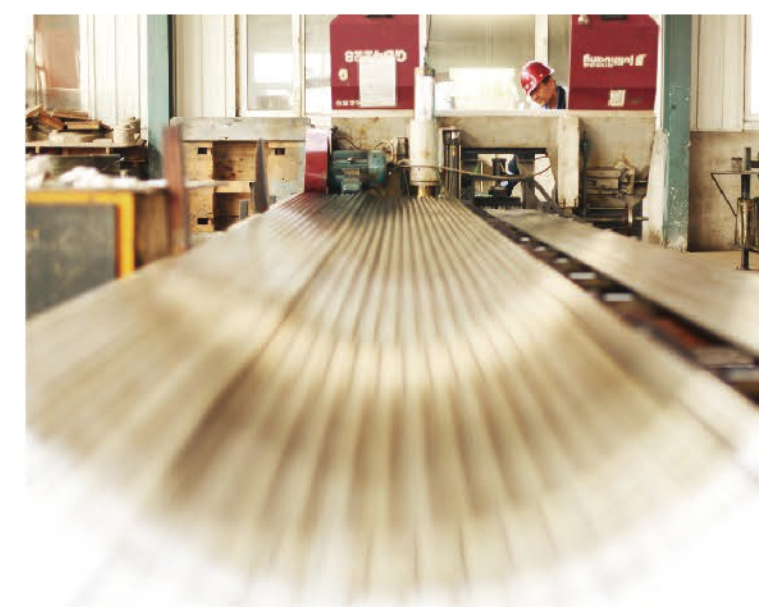
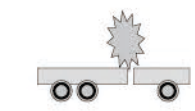


For cold-drawn products, various straightening equipment is required to further improve the accuracy of the product. Such as eliminating defects in the shape of bending, wave shape, and distortion generated during the production process, to meet the customer quality standards ultimately.



# PROCESS 6

## CUTTING



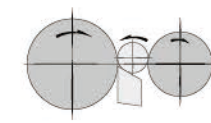
According to customer requirements for the length and size of the finished product, different high-precision cutting equipment is used to ensure the accuracy.



# PROCESS 7

## GRINDING

For customers with high surface accuracy requirements, we adopt grinding process to achieve high machining accuracy and small surface roughness values, while reducing the surface decarburization layer.





## PROCESS 8

### INSPECTION



As an important part of quality assurance, we conduct appearance and dimensional measurement and inspection for each batch of incoming raw materials, while sampling for physical, chemical, and performance testing. Our company has advanced eddy current flaw detection line, ultrasonic flaw detector and other guarantees.

## PROCESS 9

### PACKAGING

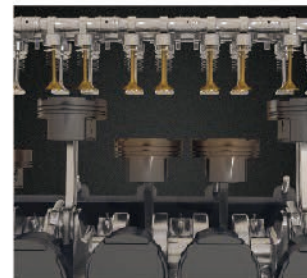


The packaging is customized according to customer needs, including bundling packaging cloth, adding wooden boards, wooden cases, for rail, sea, and other transportation methods.



## APPLICATION FIELD

Military Industry, Industrial Automation, Automobile Market, CNC Machine,



Motor Manufacturing, Rail Transit, Engineering Machinery;

## RAW MATERIAL SUPPLY

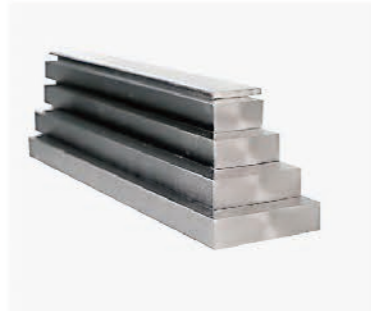




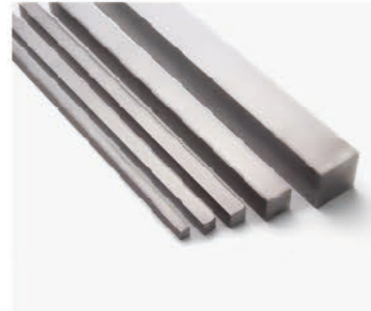
## PRODUCTS



Steel round bar



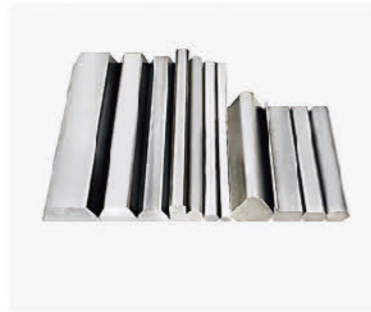
Steel flat bar



Steel square bar



Steel hexagonal steel



Profile steel



Steel splined shaft

## MATERIAL GRADE

Carbon steel bar; round; square hexagonal profile steel etc.;  
Grade: 1045,1050,1020,12L14,1215,45#,20#,50#.

Stainless steel bar: round, square, hexagonal profile steel etc.;  
Grade: 201, 304, 304L, 316.

Alloy steel bar; round; square hexagonal profile steel etc.;  
Grade: 4140,4135,4330,8620,35CrMo,42CrMo,50CrV

Bearing Steel bar: round, square, hexagonal profile steel etc.;  
Grade: 52100, GCr15, GGr15SiMn, SUJ2.

Spring Steel bar: round, square, hexagonal profile steel etc.;  
Grade: 6150, 9260H.



## SPECIFICATION

Shape	Size(mm)	Length(m)
Round Bar	4-80	1.5-12.00
Square Bar	8x8-150x150	1.5-12.00
Flat Bar	8x10-50x60	1.5-12.00
Hexagonal Steel	S8-S50	1.5-12.00
Splined Shaft	8-50	1.5-12.00
Profile Steel	As customer's request	1.5-12.00

## SILVER BRIGHT STEEL AND SIZE

1. Peeled bar diameter: 40~85(mm), Length: 100~8000(mm)
2. Polish bar diameter:40~85(mm), Length: 100~8000(mm)
3. Grinding bar diameter:40~85(mm), Length: 100~8000(mm)

Processing steel grade: Carbon steel, Alloy steel bar, Spring steel bar, Stainless steel bar, Bearing steel, etc.  
Standard: AISI, ASTM, JIS, GB, EN, etc.

In addition to the special requirements of the above products,  
we also can customize the production according to customer requirements and standards.





## QUALITY AND R&D

Xindali Section Steel has always been committed to providing customers with high-quality products and services, always adhering to the principle of quality first. In order to ensure product quality, our company has established a physical and chemical laboratory, equipped with professional inspection supporting equipment such as Direct reading spectrometer, Material tensile strength tensile machine, Rockwell hardness tester, Brinell hardness tester, Portable ultrasonic detector, Eddy current detector, TSUS fully automatic image measuring instrument, Electronic metallographic microscope, Metallographic test cutting, Grinding and polishing machine. Quality comes not only from inspection or manufacturing, but also from design and the assurance of the quality culture of the entire staff. The company adopts TQC (Total Quality Management) to emphasize the cooperation of all employees, integrating the quality awareness of employees into every step of production and manufacturing, so as to produce high-quality products and better serve customers.

In terms of product research and development, we always take customer satisfaction with the product as the evaluation standard, and adhere to the company's quality system management principles. To design and customize the optimal process route for different customer needs, while meeting customer final product requirements, also improving efficiency and saving costs for customers.

## CERTIFICATE

