

Enterprise Mission

Providing the Excellent Stainless Steel Products to Consumers

Strategic Target

Building TISCO into the Most competitive Stainless Steel
Producer in the World

Core Values

Relying on the People, Putting Customer's Needs First, Rejuvenating
Enterprise through Quality, Fully Opening, Keeping Innovative

Management Concept

Providing Customer with Better and Faster Solution Package
to Realize Long-Term Win-Win Cooperation

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Taiyuan Iron and Steel (Group) Co., Ltd.

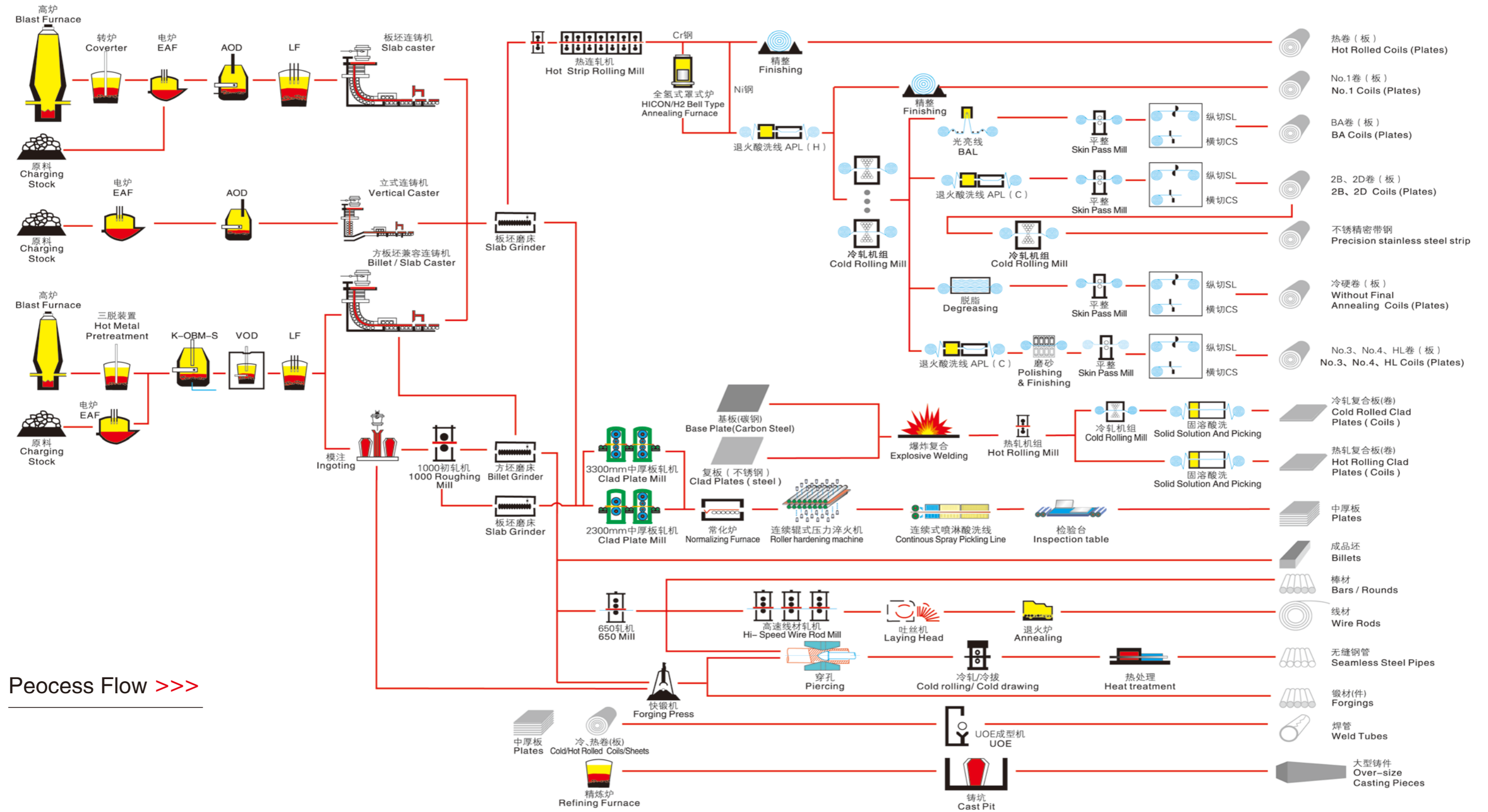
Taiyuan Iron and Steel (Group) Co., Ltd. (TISCO) is one of the steel giants in China, and the largest stainless producer in the world in term of capacity equipped with the most advanced facilities covering pretty wide product range. After over 70 years development TISCO has the capacity of 10 million tons of steel, which includes 3 million tons of stainless. The year of 2009 saw TISCO become No.1 stainless producer in the world with production of 2.48 million tons of stainless.

In TISCO came out the first heat of stainless steel and first heat of silicon steel as well as the first sheet of silicon in the history of China steel industry. TISCO is well equipped for mining and iron ore refining, iron and steel making, rolling and forging, metallurgical equipment and spare parts manufacturing. TISCO's products cover stainless steel of cold and hot rolling, cold rolled silicon, hot rolled coil, axle steel, die steel and steel for military purpose etc. TISCO's products are widely used in petrochemical industry, transportation, construction decoration, home appliance, and medical and food industry. TISCO's products can be also found in the national key projects such as Shenzhou spaceship, Chang'e-1 Moon Detector, Dongfeng rocket series and nuclear power, Three Gorges, West-East natural gas transmission, and Olympic game facility as well as Shanghai world expos. In 2009 TISCO technology centre ranked No.2 among the 575 state acknowledged enterprise technology institutions and No.1 among the steel industry. TISCO owns 745 core patents in the field of stainless and over 100 patents are taken as the world class.

TISCO is aiming to become the most competitive stainless producer in the world, and achieve the first class stainless product in terms of product range, quality, cost, R&D, energy saving, environment protection, efficiency and service. For this goal TISCO is trying the first world class level and build itself into the world competitive large group company.



1. Steel for passenger train
2. Steel for freight train
3. Steel for coin making
4. Duplex steel
5. Heat resistant steel
6. High pure ferrite
7. Steel for automobile
8. Welding rod 308/309
9. Large caliber pipe
10. TCBS stainless wire



Equipment and Technology >>>



180 ton converter

- Adopts combined top and bottom blowing to remove of carbon, phosphor and silicon, which provides low P and S liquid steel for the production of stainless steel.
- Sampling by sublance, short the tap to tap time.
- Level 1 and 2 automation systems and process control introduced from VAI makes the endpoint analysis control more accurate.



90 ton VOD

- Features high vacuum, strong stirring capability, vacuum ≤ 0.5 Torr; stirring capability 1200 L3/h;
- High steel cleanliness: [O] ≤ 25 ppm, [H] ≤ 2 ppm; S % ≤ 0.005 %; Σ (Pb+ As + Sn+Sb+Bi) ≤ 0.01 %;
- Suitable for the production of ultra low carbon and nitrogen contained stainless steels; C+N ≤ 100 ppm.



EAF

- Fast melting with UHP EAF, high productivity.
- Level 1 and 2 automation systems and process control system introduced from VAI makes the endpoint analysis control more accurate.
- Flexible raw materials to produce all stainless steel grades (with half of hot metal and half scrap as raw materials to provide AOD with quality, ultra-low P, S and residual elements crude liquid stainless steel).

Equipment and Technology >>>



180 ton AOD

- Adopting combined top and bottom blowing process, which de-carbonization capability is much higher than the traditional side blowing AOD. The quality stainless steel can be produced by raw materials of de-phosphorized hot metal; especially the content of P and harmful residual elements of our products is much lower than that produced by traditional EAF+AOD route;
- Automation system and continuous on line temperature measuring device introduced from VAI, accurate process control, high endpoint hitting.



2250 mm HSM

- The equipment and control system of 2250mm HSM represents the current highest technological level of the traditional HSM in the world.
- Profile and flatness control system adopts the newest CVC technology, the screw-down system adopts hydraulic AGC control system, ensures the good profile and flatness and size accuracy of all products.
- Coil box and efficient laminar cooling are used, ensures the uniform properties of the stainless steel coil.



Combined bloom and slab caster and wide caster

- The only one combined bloom and slab caster in China and the widest stainless steel slab caster in the world.
- Automatic mold level control system and electromagnetic stirring device are adopted.
- The technology of dynamic secondary cooling water control, air mist cooling, hydraulic vibration is adopted, which ensure uniform cooling of the strand and density of the internal structure of slab.

Equipment and Technology >>>



HICON/H₂ Bell Type Annealing Furnace

- Protective process atmosphere, high surface quality, accurate temperature control ($\pm 3^{\circ}\text{C}$), uniform properties of whole coils.

Wide APL(for hot coils)

- It is the largest and the most advanced APL(H) in the world, the annual capacity of the line is 1.15 million tons.
- On line rolling of hot coils by on line S6 wide cold rolling mill, tension leveler with roll bending and elongation control is installed behind the annealing furnace to meet the production requirements for No.1, 2E, THS, TSHS products.



Equipment and Technology >>>

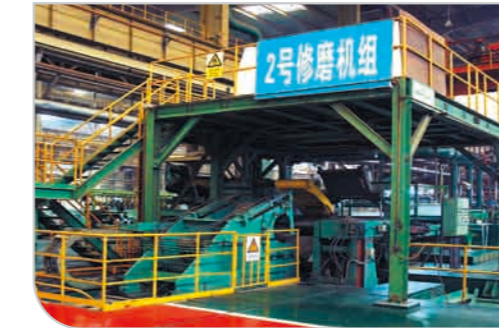
APL (for cold coils)

- It has the functions of degreasing and cleaning, which ensures good surface quality, uniform and stable properties of the products.



S6 wide cold rolling mill

- Heavy rolling force, large reduction, high thickness accuracy and good surface finish.



Grinding line

- Capacity: 60000 tons.
- Grinding thickness: 0.4--6.0mm.
- Single or double sides grinding.
- Products with No.3, No.4, HL surface finishes can be met.

Wide plate mill

- Max.width 3000 mm and max thickness 100mm stainless steel plates can be produced.
- The mill is equipped with advanced AGC control system. Its products are of high size accuracy and good profile and flatness.



Sendzimir mill

- The most advanced cold rolling mill with advanced automatic thickness, profile and flatness control system, the products are of high accuracy, good profile and flatness and less thickness deviation.



Roller hearth continuous normalizing furnace for plates

- Diameter of hearth: 70.2 × 3.408m, max. temperature: 1250 $^{\circ}\text{C}$, capacity: 320,000 tons. Temperature control accuracy is high.

Equipment and Technology >>>

Plate continuous pickling line

- The 1st plate continuous pickling line with spray process in China, which reduces the scratches on the strip surface and ensures the uniform surface luster of the products.



Laying head

- Introduced from POMMNI, Italy, the shape of wire coil is good, the surface quality is high.

1800 ton radial forging machine

- With high distortion pass and wide forging ratio (16:1), the product with compact internal structure has excellent forging permeability and uniformity.
- With four direction press stress forging of high speed, on line solid solution and tempering equipment, it can supply 22m super length material and big diameter forging pipe with thick wall, or sections such as step axes, taper axes etc. The widest forging flat steel can reach 500mm, and it can meet the requirement of full right angle delivery.



6000 ton hot extrusion mill

- With three-phase pressure stress distortion ability, the biggest capacity of high level weight hot extrusion can meet the need of heat treatment of alloy which is not easy distorted.
- With short machining period, suitable for small batch order with kinds of varieties, internal compact material and uniform property.

Research and Development >>>



Scanning Electron Microscope



Transition Electron Microscope

National level laboratory



Tisco technology center ranks in NO.2 position among the 575 state certified enterprise technology department and situates the NO.1 among steel industry.



Automatic electronic tensile tester



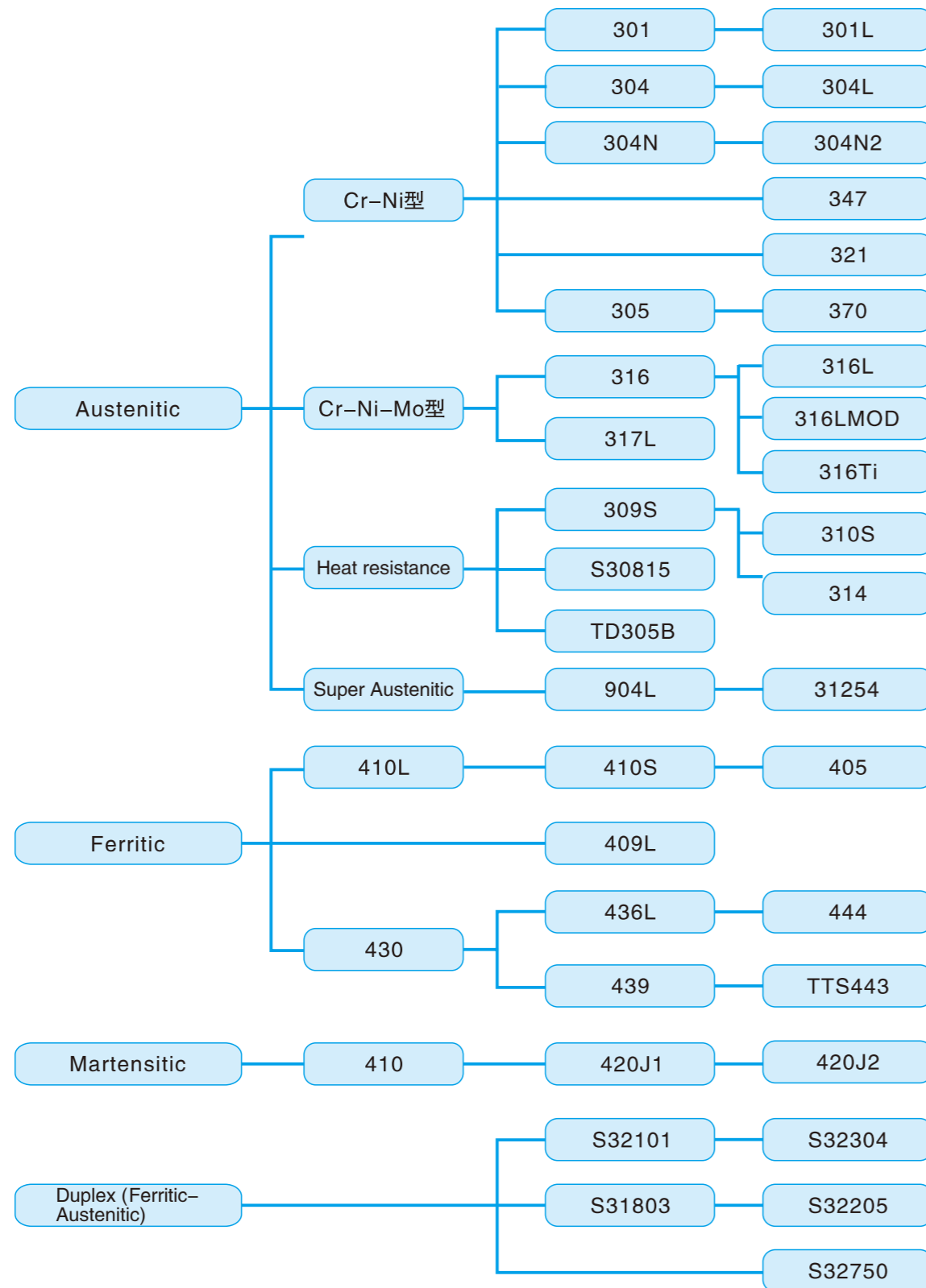
Thermal Simulating Tester

Honors and Awards >>>

Quality Assurance >>>



Steel Grade Series of Products >>>



Comparison of Grades Designation >>>

Designation in China standard		Designation in European standard	Designation in USA standard	Main composition
New version	Old version			
12Cr17Ni7	1Cr17Ni7	1.4319	301	17Cr-7Ni
022Cr17Ni7	00Cr17Ni7	1.4318	301L	LC-17Cr-7Ni
06Cr19Ni10	0Cr18Ni9	1.4301	304	18Cr-8Ni
022Cr19Ni10	00Cr19Ni10	1.4307	304L	LC-18Cr-9Ni
0Cr18Ni10Ti	0Cr18Ni10Ti	1.4541	321	18Cr-9Ni-Ti
06Cr19Ni10N	0Cr19Ni9N	—	304N	18Cr-8Ni-N
06Cr19Ni9NbN	0Cr19Ni10NbN	—	—	18Cr-9Ni-Nb-N
0Cr18Ni11Nb	0Cr18Ni11Nb	1.4550	347	18Cr-11Ni-Nb
1Cr18Ni12	1Cr18Ni12	1.4303	305	18Cr-12Ni
—	1Cr16Ni14	—	—	16Cr-14Ni
0Cr17Ni12Mo2	0Cr17Ni12Mo2	1.4401	316	17Cr-12Ni-2Mo
022Cr17Ni12Mo2	00Cr17Ni14Mo2	1.4404	316L	LC-17Cr-12Ni-2Mo
022Cr19Ni13Mo3	00Cr19Ni13Mo3	1.4434	317L	LC 19Cr 13Ni 3Mo
06Cr17Ni12Mo2Ti	0Cr18Ni12Mo3Ti	1.4571	316Ti	18Cr-12Ni-2Mo-Ti
06Cr23Ni13	0Cr23Ni13	1.4950	309S	23Cr-13Ni
06Cr25Ni20	0Cr25Ni20	1.4951	310S	25Cr-20Ni
16Cr25Ni20Si2	1Cr25Ni20Si2	—	314	25Cr-20Ni-2Si
—	0Cr21Ni11Si2N	1.4835	S30815	21Cr-11Ni-2Si-N
—	0Cr20Ni25Mo4.5Cu	1.4539	904L	20Cr-25Ni-4.5Mo-Cu
022Cr12	00Cr12	—	410L	LC-12Cr
022Cr11Ti	00Cr12Ti	1.4512	409L	LC-12Cr-Ti
06Cr13	0Cr13	1.4000	410S	13Cr
06Cr13Al	0Cr13Al	1.4002	405	13Cr-Al
10Cr17	1Cr17	1.4016	430	17Cr
—	00Cr17Mo	—	436L	LC-17Cr-Mo
019Cr19Mo2NbTi	00Cr18Mo2	1.4521	444	LC-18Cr-2Mo
022Cr17Ti	00Cr17Ti	—	439	LC-17Cr-Ti
—	TTS443	—	—	21Cr-Ti
12Cr13	1Cr13	1.4006	410	0.1C-13Cr
20Cr13	2Cr13	1.4021	420J1	0.2C-13Cr
30Cr13	3Cr13	1.4028	420J2	0.3C-13Cr
—	00Cr21NiN	1.4162	S32001	LC-21Cr-Ni-N
—	00Cr23Ni4N	1.4362	S32304	LC-23Cr-4Ni-N
022Cr22Ni5Mo3N	00Cr22Ni5Mo3N	1.4462	2205	LC-22Cr-5Ni-3Mo-N
022Cr25Ni7Mo4N	00Cr25Ni7Mo4N	1.4410	S32750	LC-25Cr-7Ni-4Mo-N
TD305B	—	—	—	19Cr-13Ni-4Si

Cold Rolled Plates (Coils) >>>



◆ Main Features

● Stable quality

By the means of advanced technology and equipment from the melting to the cold rolling and international standardization management methods, our cold rolled products are of clean steel, good surface finishes, high size accuracy, good coil shape, profile and flatness, corrosion resistance, and formability.

● Wide range of steel grades and specifications

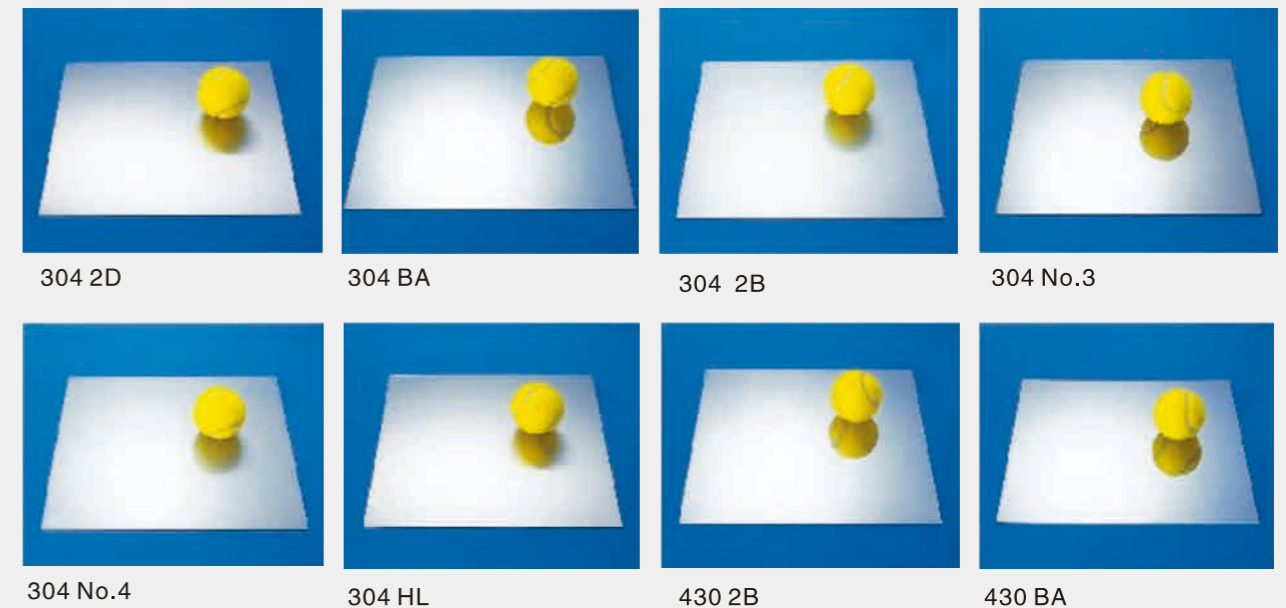
All the steel grades of austenitic, ferritic, martensitic and duplex steels can be produced according to EN, AISI, DIN and JIS. The products have been widely used in the fields of petrochemical, transportation, aviation and space flight, decoration, electric power, mechanical and electric home appliance, kitchenware, and tableware.

● Products with different width and thickness are available, thickness range 0.15—8.0mm, width range 30mm—2000mm. Among them, the wide products can greatly increase the utilization ratio of the materials during the processing. They are especially suitable for the production of large vessels. The manufacturing cost and maintenance cost are reduced, the reliability and safety improved due to less welding seams. Compared with plates produced by traditional process, the utilization ratio of the thick products can be greatly improved. They can meet the flexible requirements of the customers and provide customers with much more room for the design and application.

● Different surface finishes

Advanced cold rolling mill and annealing line, grinding line and BAL. Products with surface finishes of 2D、2 B、2BB、BA、No3、No4、HL can be produced.

Cold Rolled Plates (Coils) >>>



◆ Surface Finish

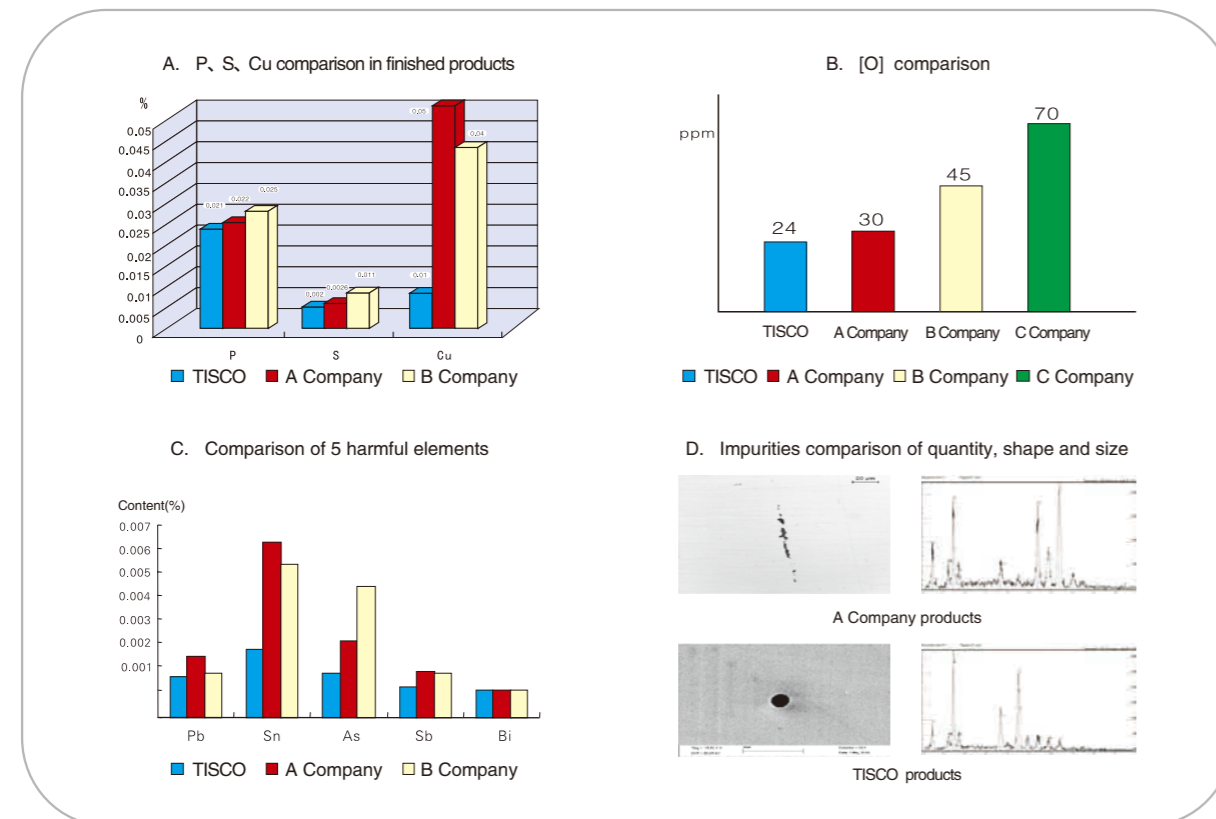
Finish	Finish Description	Application
2B	Proper finish is obtained through heat treatment, pickling and similar treatment and final treatment with the skin pass mill after cold rolling.	All different industries, hardware.
2D	Certain roughness is obtained through heat treatment, pickling and similar treatment and final skin pass treatment with dull rolls after cold rolling.	Used in the fields for surface coating and deep drawing etc.
BA	After cold rolling, processed by BAL.	Used as raw materials for decoration, and processing of high reflective surface etc.
3#	Polished with the specified grit size 100—120 grinding materials in the GB2477.	Decoration etc.
4#	Polished with the specified grit size 150—180 grinding materials in the GB2477.	Decoration etc.
HL	Polished with proper sized grinding materials to produce continuous grinding lines on surface.	Decoration etc.
2BB	2BB is a surface finish close to BA. It is not processed by BAL, but by a special process.	The application is same as BA

Note: The products can be film coated.

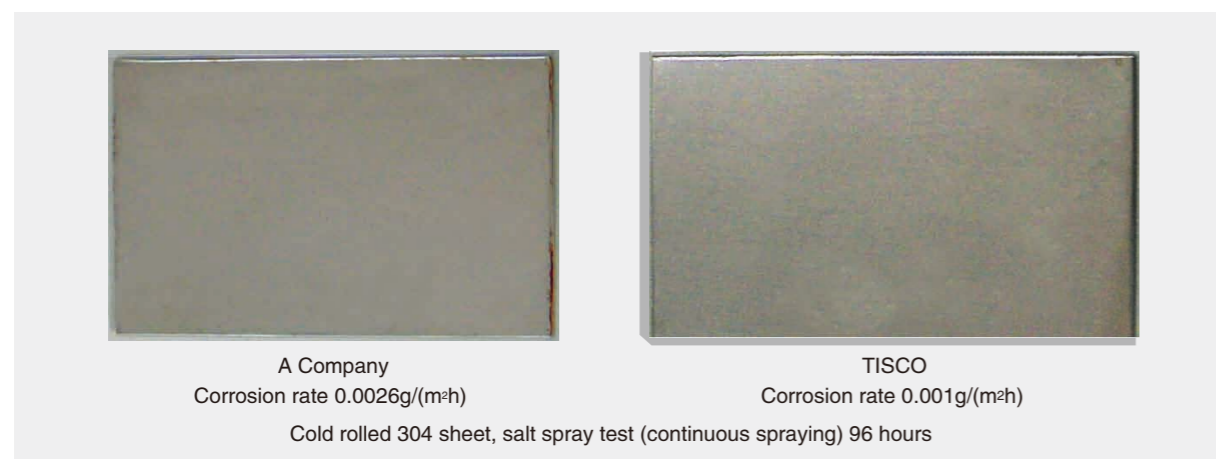
Cold Rolled Plates (Coils) >>>

◆ Quality

● Steel Purity

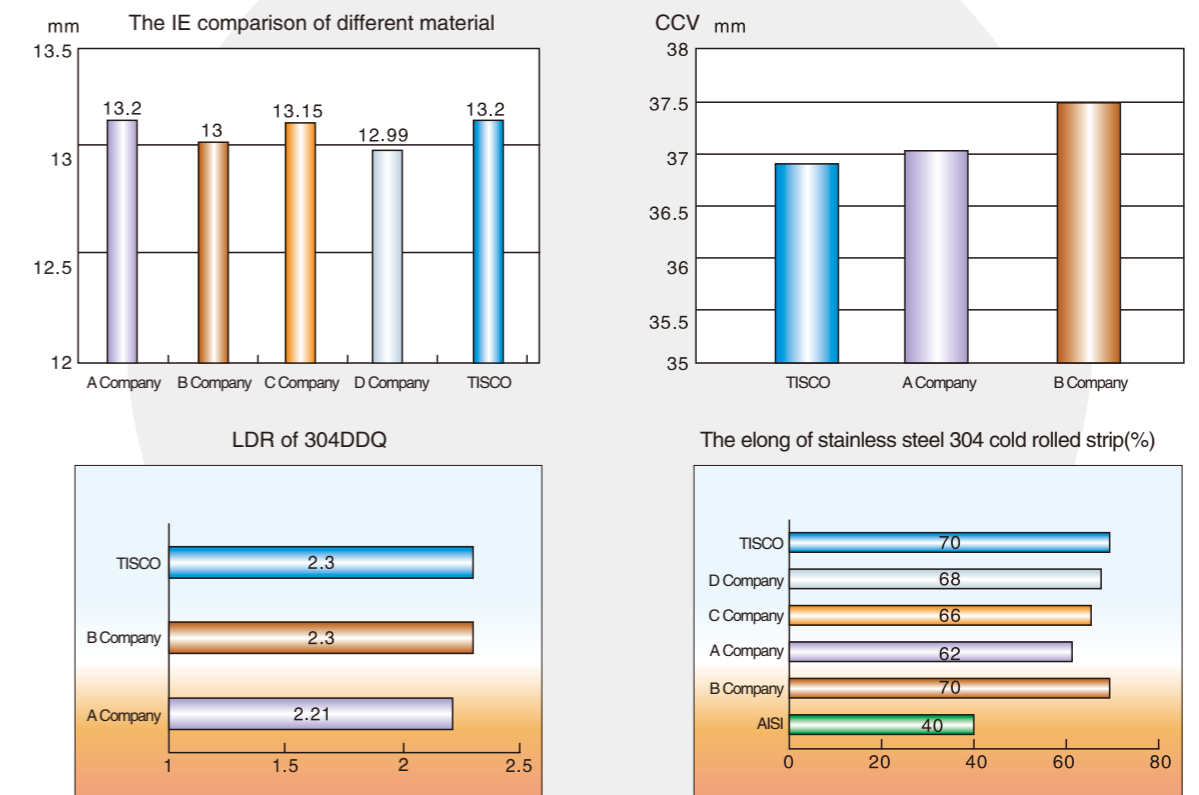


● Comparison of corrosion resistance



Cold Rolled Plates (Coils) >>>

● Formability



● Surface quality



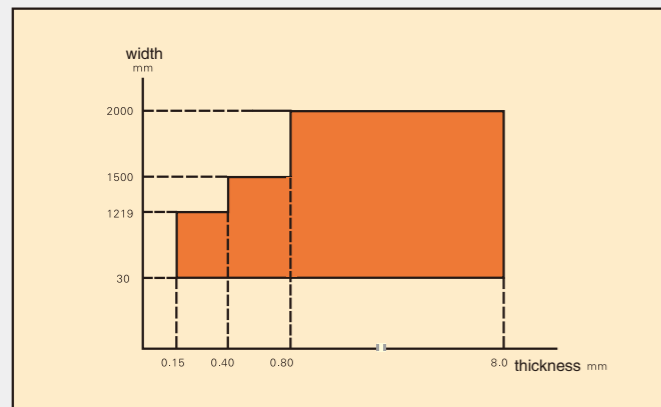
304 stainless steel

Cold Rolled Plates (Coils) >>>

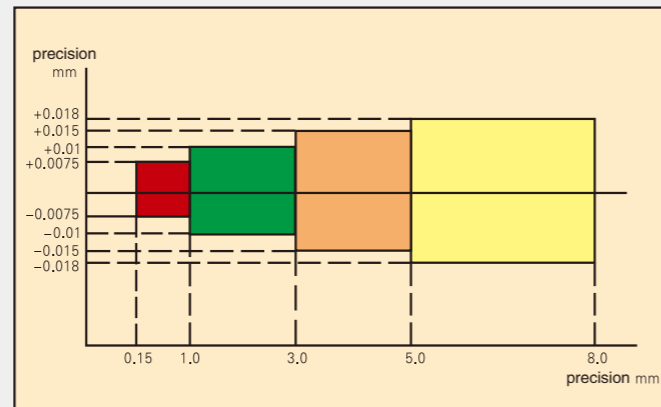
◆ Product Specifications and Accuracy

● Main specifications

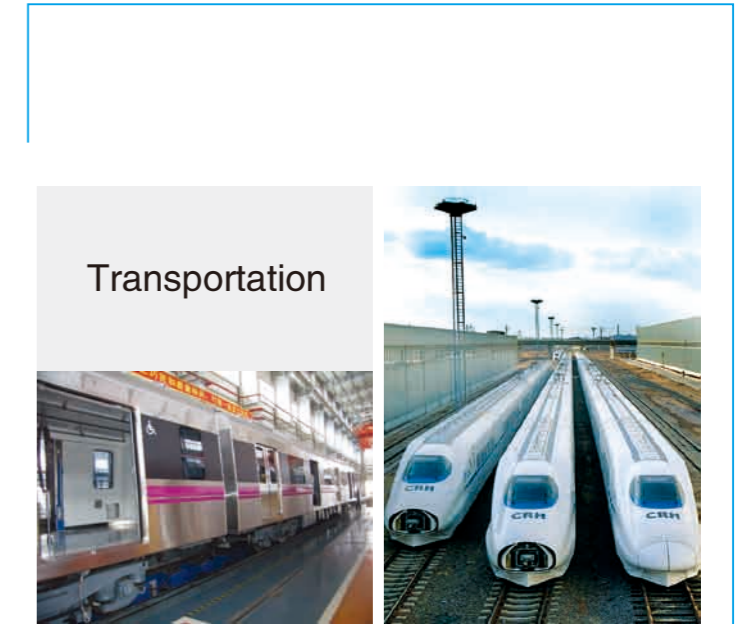
● Products thickness tolerance and precision control



Products specification of cold rolled coil



Cold Rolled Plates (Coils) >>>



◆ Typical Applications



Architecture and Decoration



Cold Rolled Plates (Coils) >>>



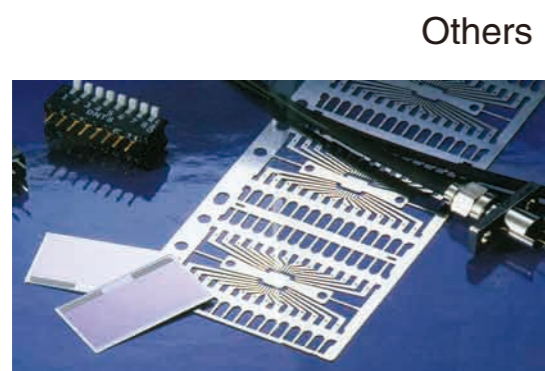
Tableware and kitchenware



Home appliance



Coin making



Others



Hot Rolled Coils (Plates) >>>

◆ Main Features

- TISCO' s 2100 mm wide APL(H) adopts the technology of on-line rolling mill, pickling and annealing facilities, and tension elongation. It can produce No.1, 2E, THS, TSHS products (CMP) with different strengths, which occupies the leading position in the world.
- The THS, TSHS series products produced by the most advanced technology and equipment and special technology of cold process are of high strength, good properties, accuracy in sizes, wide range of specification, good surface quality. Compared with common no.1 stainless steel materials, 30% of materials can be saved which has brought revolutionary change for the application of the stainless steel materials and will have profound and lasting influence on the consumption of stainless steel.
- The products have been widely used in large vessel body, railway vehicle, container, heat exchanger and manufacturing of industrial pipes.



Hot Rolled Coils (Plates) >>>

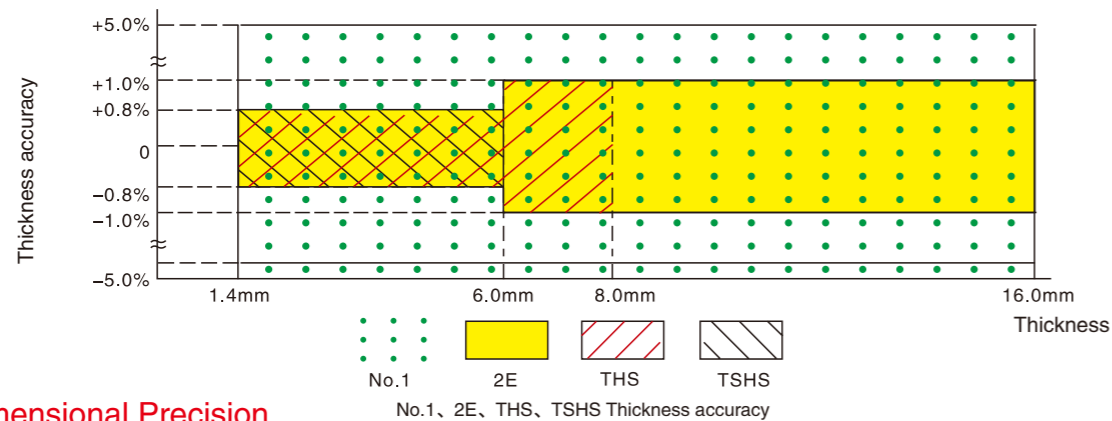
◆ Products Variety and its Definition

Type	Definition	Description (an example of 304)
NO.1	Hot rolled, annealed and pickled coil	No.1 product goes without cold stretching deformation, with yield strength approximately 240MPa.
2E	Direct-rolled, annealed and pickled coil	2E Hot strip through processes of slight cold rolling and descaling, will be of good quality surface.
THS	Direct-rolled, annealed and pickled coil Under high-tension elongation	THS refers to the annealed strip subject to cold reduction $\geq 2.5\%$ with yield strength approximately 300MPa.
TSHS	Direct-rolled, annealed and pickled coil Under super high-tension elongation	THS refers to the annealed strip subject to cold reduction $\geq 5.5\%$ with yield strength approximately 350MPa.

Note: THS-TISCO High Strength hot pickled strip ; TSHS-TISCO Super High Strength hot pickled strip

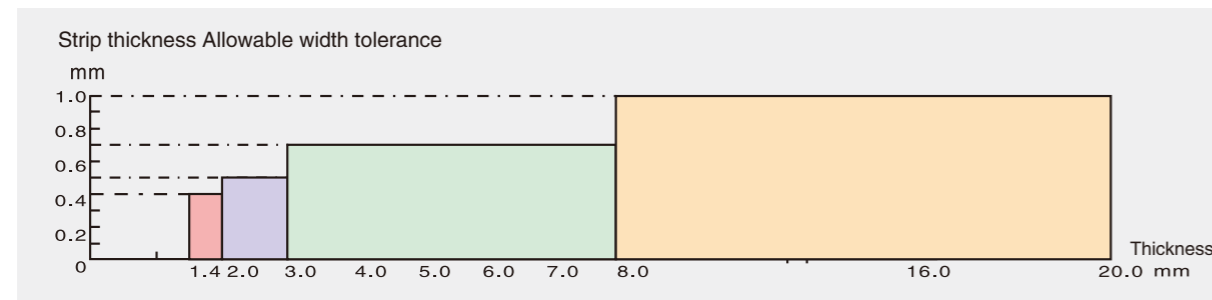
◆ Specifications Dimensional

○ Dimensional Precision



○ Dimensional Precision

○ Allowable width tolerance



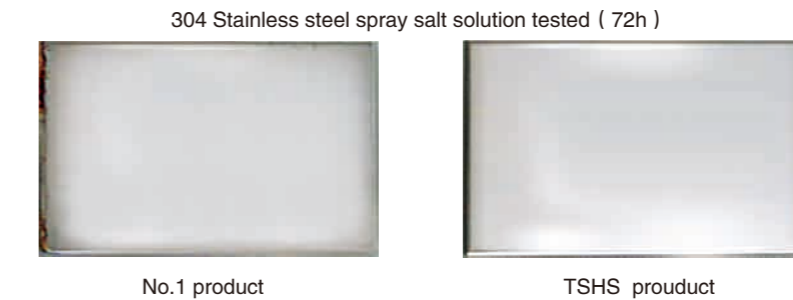
○ Steel plate

Width (mm)	Allowable width tolerance (mm)
1500 ~ 2100	0 ~ +1.0
Length (m)	Allowable length tolerance (mm/m)
4.0 ~ 12.0	0 ~ +0.2
Allowable diagonal difference	Stacking accuracy (mm)
Less than 0.2% of plate width	Lengthwise; 0 ~ 3.0 Widthwise; 0 ~ 2.0

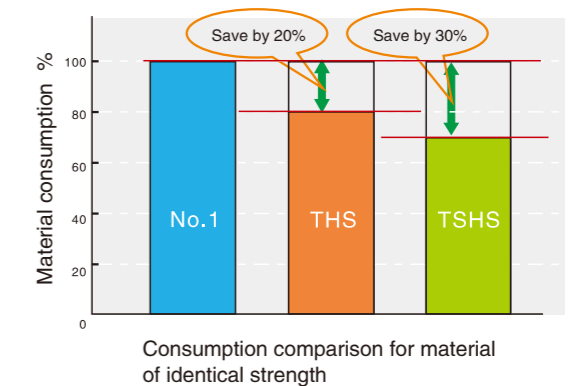
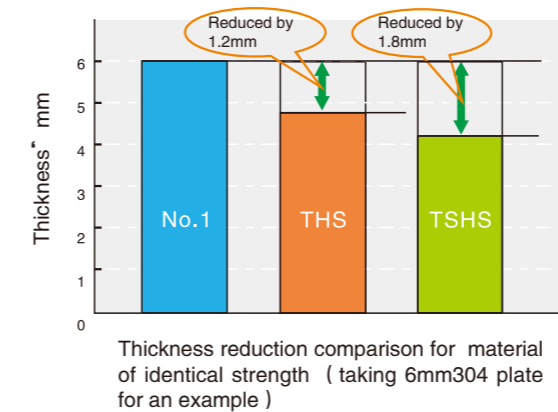
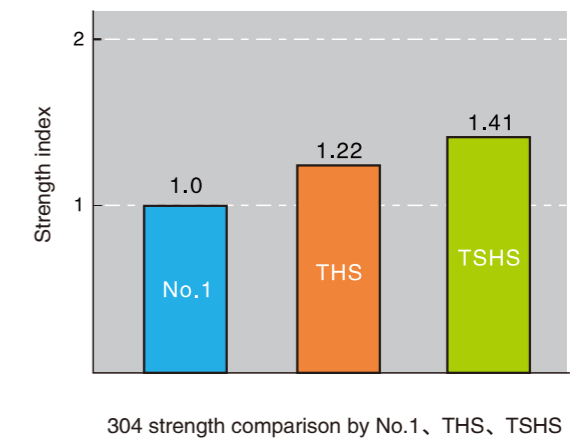
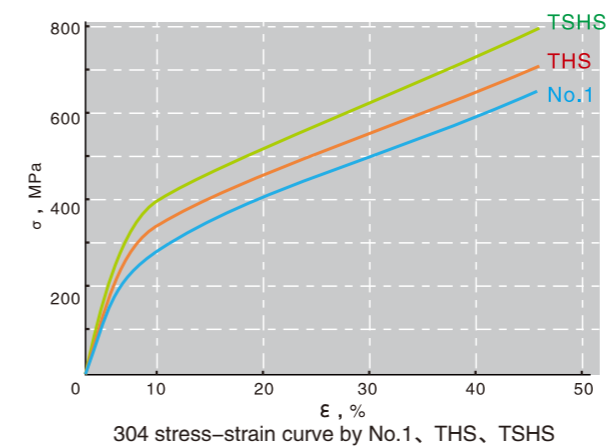
Hot Rolled Coils (Plates) >>>

◆ Advantages of Products

○ Corrosion resistance properties



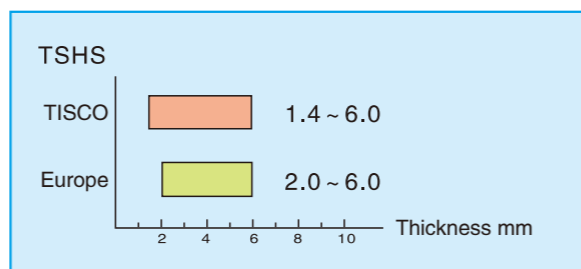
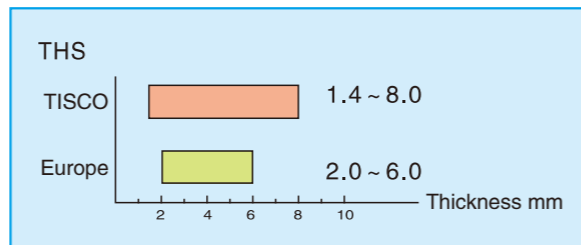
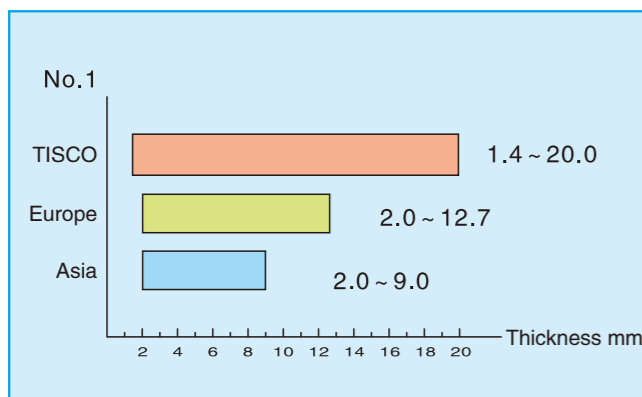
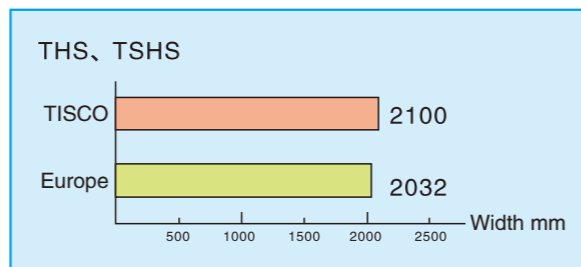
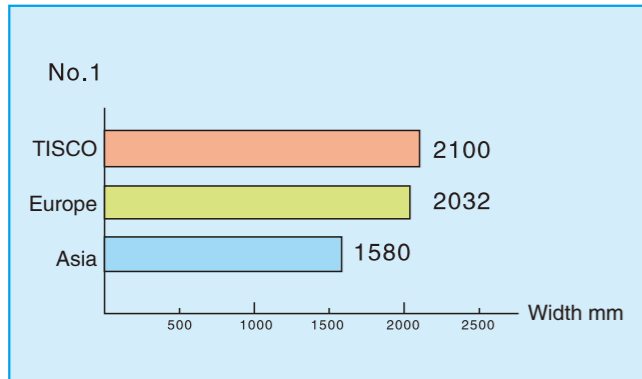
○ Material Strength and Material-Saving ratio



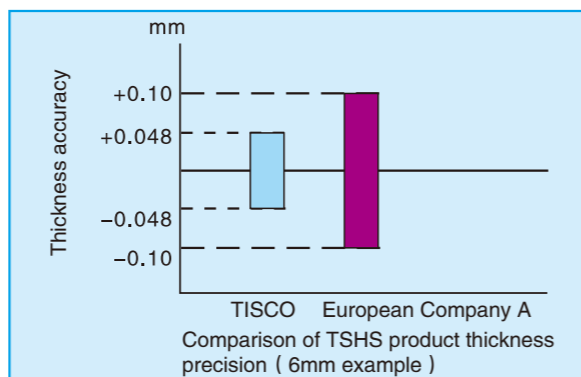
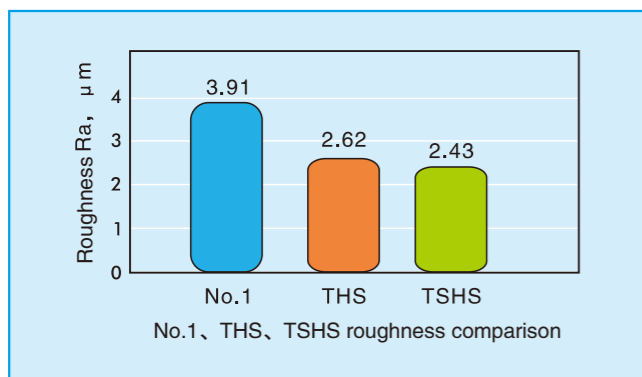
THS and TSHS product will have the increased material strength significantly as a result of special cold working process applied thereon, and can be reduced in thickness by 20-30% at an identical strength level as that for conventionally hot-rolled product. As such they are the ideal material for steel structure parts.

Hot Rolled Coils (Plates) >>>

Extreme Specifications



Surface Finish



Hot Rolled Coils (Plates) >>>

Applications



Tanks & Containers



Hot Rolled Plates >>>

◆ Main Features

- Clean steel: the steel is produced by EAF+ AOD with returned scraps as the raw materials or by EAF+K-OBM-S+VOD with hot metal as the main raw materials.
- Good properties: After treated with the internationally advanced normalizing and quenching lines, the steel is of uniform structure, best corrosion resistant properties. The plates are of good mechanical properties, the property difference of lengthwise and widthwise is small, good corrosion resistant properties and suitable for all kinds of welding processes.
- Good surface quality: The scratch on the plate surface is reduced due to the continuous pickling process. The luster of pickled surface is uniform.
- Size tolerance: Plasma cutting, cutting accuracy high.
- Profile and flatness: After hot rolling, many passed of leveling is applied, the flatness is high.
- They have been widely used in the key fields of petrochemical, nuclear power, water project and so on.

◆ Product Specification

Product	Thickness (mm)	Width (mm)	Length (mm)
PMP	6.0~100.0	1500~3000	2000~12000

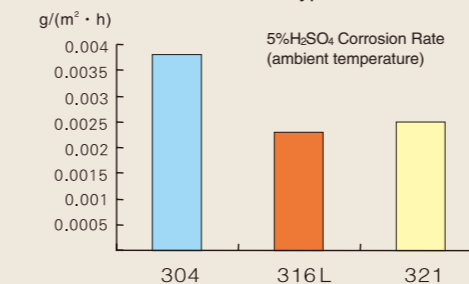
Note: Multiple length delivery is possible if requested.



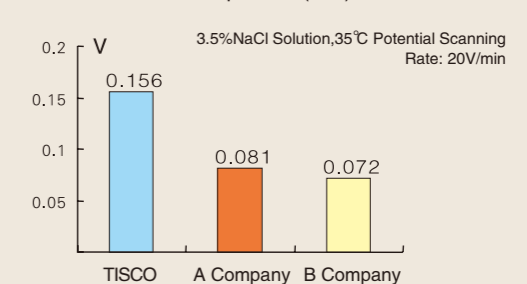
Hot Rolled Plates >>>

◆ Corrosion-resisting Performance

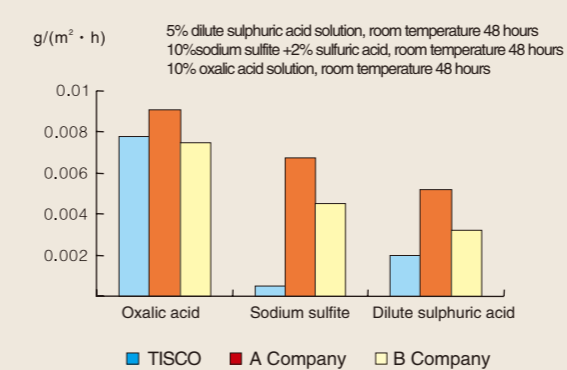
A. Corrosion Resisting Performance Difference at Typical Grades



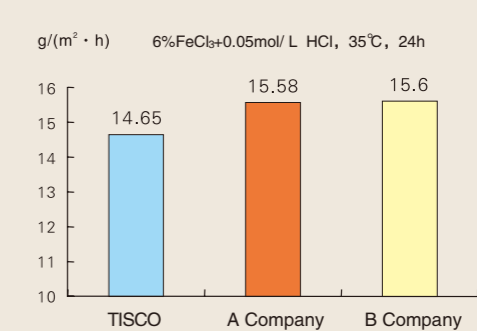
B. Potential Difference Comparison (304)



C. 304 Medium Plates Even Corrosions Comparison



D. 304 Medium Plate Spot Comparison



E. 304 Medium Plate Salt Mist Comparison

5%NaCl, continuously sprays for 96 hours, TISCO products show better performance than that of Co.B, with no rust mark, Co.A product displays visible rust mark.



Hot Rolled Plates >>>

◆ Typical Application



Water turbine



Tank



The core plate of nuclear island



Chemical ship vessel

Stainless Wire Rods >>>

◆ Main Features

- TISCO is one of the largest stainless wire rod producers in China, the annual production capacity can reach above 100,000tons, the main products cover stainless wire/rods, stainless pipe billet, stainless bars and stainless steel rough rolling billet.
- The products are of clean steel, dense structure, stable properties, and full range specification.



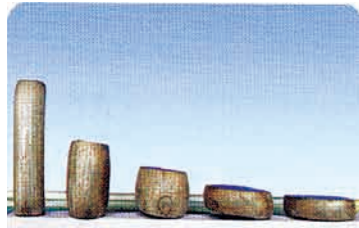
◆ Main Products

Products	Main designation	Specification (mm)
Stainless steel wire	SUS304HC、0Cr18Ni9、00Cr17Ni14Mo2、ER307Si、ER308L、ER309L、ER316L、0~3Cr13、TCBS、TCBS2 ect	φ5.5~20
Stainless steel pipe billet	TP304、TP304H、TP321、TP316L、TP347H、022Cr23Ni5Mo3N、TP2Cr13 ect	φ60~350
Stainless steel round bar	06Cr19Ni10、06Cr18Ni11Ti、002Cr17Ni12Mo2、12Cr13、20Cr13、30Cr13 ect	φ60~350
Stainless steel rough rolling billet	06Cr19Ni10、06Cr18Ni11Ti、002Cr17Ni12Mo2、12Cr13、20Cr13 30Cr13 ect	150~450 × 150~450、60~200 × 300~1100

Stainless Wire Rods >>>

◆ The Physical Quality

- Excellent cold heading performance



TISCO product: 1/5 can be cold headed



Company A: 1/3 can be cold headed

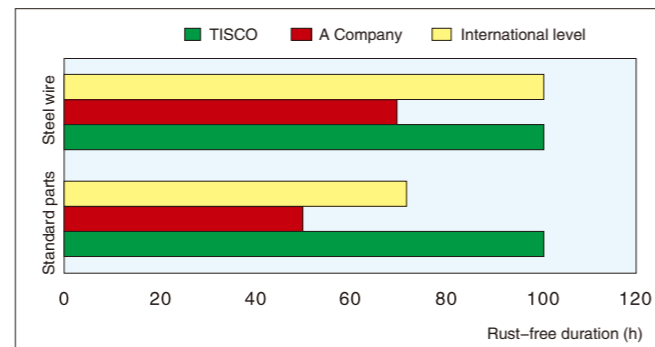
- Super drawability



- Kinds of standard parts available



- SUS304HC good corrosion resistance performance



◆ Typical Application



Standard parts



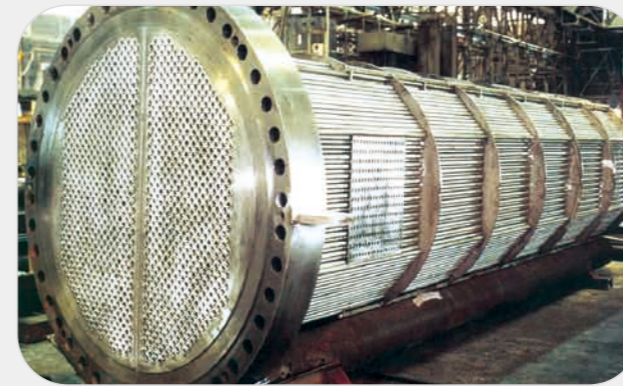
Welding wire



Cutlery

Stainless Wire Rods >>>

◆ Typical Application



Heat exchanger



Distilling parts of refining facility



Chemical plants



Petrochemical industry



Food and Brewing industry

Clad Materials >>>



◆ Main Features

- TISCO stainless steel clad plates are produced by the advanced technology of all weather explosions clad and rolling.
- The two different metals of the clad materials are saw-tooth atomic bonded. The interface bonding ratio is 100%, the strength of clad interface is high.
- TISCO clad plates can be produced by many kinds of steel grades, the combination of the plates can be made according to the requirements of the customers.
- The products are widely applied in the fields of petrochemical, water project, salt production, light industry, pressurized vessels, and architecture decoration etc.

◆ Main Products

Substrate material	Stainless steel Clad materials
Q235、Q345、15CrMo etc	405、304、304L、316L、2205 etc.
Clad plates of steel/aluminum、steel/titanium, and aluminum/Copper can be produced.	

◆ Specifications

Specifications	Thickness (mm)	Width (mm)	Length (mm)
Carbon steel Substrate material	6.0~140	1100~3000	2000~9000
Stainless steel Clad materials	2~14		

Clad Materials >>>

◆ Typical Application



Stainless Steel Pipes >>>

◆ Main Features

TISCO stainless steel pipes are produced by quality stainless steel materials. The pipe products are of high quality, uniform wall thickness, and small deformation.

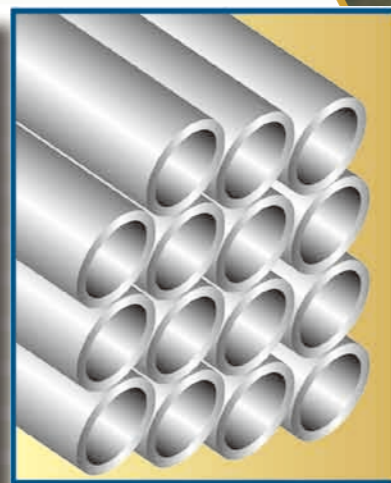
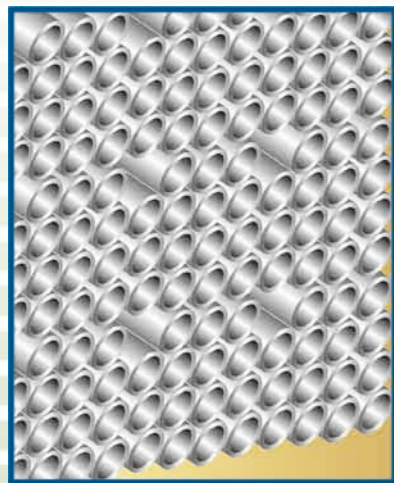
Austenitic, ferritic, duplex, clad and other special properties and application seamless and welded pipes can be produced.

The products are widely applied in the fields of petrochemical, water power, medicine, paper making, food, mechanical, environment protection, light industry, decoration, urban waste water treatment and water supply and discharge, the pipes of heat exchanger and so on.

◆ Main Grades

304L, 321, 316L, 317L, 347, 310S, super 310s, 347H

Super 304H, 304H, T91, P91, T92, P92, Super 13Cr, duplex steel, Super austenitic, Nickel based alloy etc.



Stainless Steel Pipes >>>

◆ Specification

Pipes with normal, thin, ultra-thin, thick, ultra-thick wall thickness can be provided. Min. wall thickness 0.5 mm, max. wall thickness 30.0mm. min diameter 6.0mm; max diameter 480.0mm; ratio of diameter and wall thickness: 6~70.

○ Specification of welded pipe

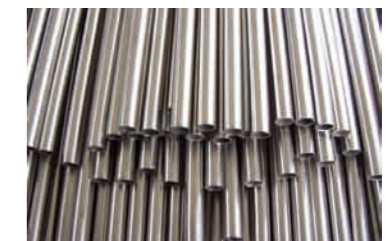
壁厚 mm	1.0	1.2	1.5	2.0	2.5	3.0	4.0	4.5	5.0	6.0	8.0	10	12	14	16	18	20	22	25	30	
12.7																					
15.7																					
19.5																					
21.3																					
25.0																					
26.7																					
33.4																					
35.5																					
48.3																					
50.8																					
57.0																					
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101.6																					
108.0																					
114.3																					
133.0																					
151.9																					
159.0																					
168.3																					
219.1																					
273.1																					
323.9																					
355.6																					
377.0																					
406.4																					
426.0																					
457.2																					
530.0																					
558.6																					
609.6																					
630.0																					
680.0																					
700																					
800																					
900																					
1000																					
1300																					
2000																					
3000																					
4800																					

The min diameter 12.7mm, max 4800mm; The min wall thickness 1mm, max 30mm

○ Specification of seamless pipe

壁厚 mm	1.0	1.2	1.5	2.0	2.5	3.0	4.0	4.5	5.0	6.0	8.0	10	12	14	16	18	20	22	25	30	
6-12																					
12-14																					
16-20																					
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273																					
224																					
225																					
356																					
377																					
406																					
426																					
457																					
508																					
530																					

The min diameter 6mm, max 530mm; The min wall thickness 1mm, max 30mm



Stainless Steel Pipes >>>

Stainless precision strip >>>

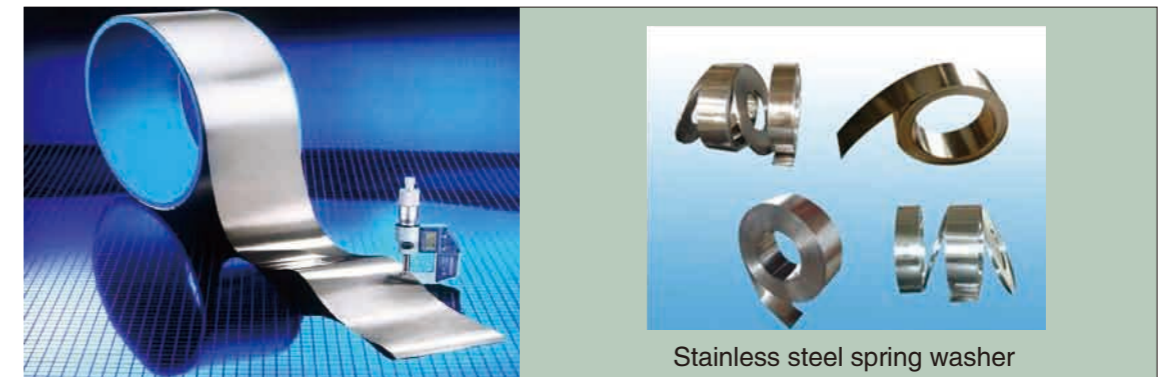


◆ Main Feature

Advanced equipment : TISCO precision steel strip production line is equipped with 4 column 20-high rolling mill and all H₂vertical brightness&anealing line, which can supply different strength of BA(surface finish by bright annealing after cold rolling),TR(surface finish by cleaning and degreasing after cold rolling) etc;The products are in the world class level.

Wide range : The stainless precision strip of all 300 and 400 series are available.

Top orientation : TISCO precision strip targets the medium and top end market based on the advantages of “high strength, high precision, ultrathin” .



◆ Specification and Size Tolerance

Specification range	Thickness : 0.02~0.5mm Width : 3~610mm
Thickness tolerance	Thickness $\leq 0.1\text{mm} \pm 2.5 \mu\text{m}$ Width $\leq 0.5\text{mm} \pm 5 \mu\text{m}$
Uniformity of hardness	Deviation of hardness $\pm 10\text{HV}$
Width Tolerance	Width $\leq 30\text{mm} \pm 0.015\text{mm}$ Width $\leq 100\text{mm} \pm 0.03\text{mm}$ Width $\leq 250\text{mm} \pm 0.05\text{mm}$ Width $\leq 610\text{mm} \pm 0.1\text{mm}$
Straightness	1-2 IU

Stainless precision strip >>>

◆ Typical Applications



Automobile accessories



Textile hook



Cutlery



Electronic punching piece



Electronic punching piece



solar energy cells

Service >>>

We can provide 3.1 and 3.2 certificates according to EN 10204

- Providing consumers with the customized design in composition, properties, package, coil weight and quality certificate.
- Delivery in time.
- Providing technical support to customers in selecting materials, processing, welding technology and applicability etc.
- Consumer's complains will be answered within 24 hours.



Communications >>>

Main business department of Co.,Ltd.	Functions	Telephone	E-mail
Marketing Department	Contract and order management Complaint and claim handing Exports business	0351-3010673 0351-3010679 800-806-1998 400-653-1998 +86 (0)351-3017169 +86 (0)351-3017525	tgxsc@tisco.com.cn Tgyhfwk@tisco.com.cn
Technology Center	Technical consultation service	0351-3012213	Tgjszxbxg@tisco.com.cn

International trading Co.,Ltd.

Taigang International Trading(USA) Co.,Ltd	USA	(Tel) 001-4124340607	(Fax) 001-4124340608
Taigang International Trading(Hongkong) Co.,Ltd	Hongkong	(Tel) +0852-28271686	(Fax) +0852-28271300
Taigang Europe Co.,Ltd	Germany	(Tel) +49(0)2154-81690	(Fax) +49-2154-816911

Deomestic trading Co.,Ltd.

	Branch Name	Address	Telephone & Fax
TISCO sales company in North China	Tianjin TISCO sales Co.,Ltd	Tianjin	(Tel) 022-23408105 (Post code) 300012
	Beijing TISCO sales Co.,Ltd	Beijing	(Tel) 010-64441368 (Post code) 100029
	Spot sales company Ltd.of TISCO	Taiyuan	(Tel) 0351-3096390 (Post code) 030003
	Zhengzhou TISCO sales Co.,Ltd	Zhengzhou	(Tel) 0351-3090556
TISCO sales company in Northeast of China	Liaoning TISCO sales Co.,Ltd	Shenyang	(Tel) 024-24232050 (Post code) 110016
	Haerbin TISCO sales Co.,Ltd	Haerbin	(Fax) 024-24231216
TISCO sales company in East China	Wuxi TISCO sales Co.,Ltd	Wuxi	(Tel) 0510-82407713 (Post code) 214011
	Shanghai TISCO sales Co.,Ltd	Shanghai	(Fax) 0510-82441187
	Hangzhou TISCO sales Co.,Ltd	Hangzhou	(Tel) 0571-85061958 (Post code) 310006
TISCO sales company in Shandong	Qingdao TISCO sales Co.,Ltd	Qingdao	(Tel) 0532-81101847 (Post code) 266000
	Jinan TISCO sales Co.,Ltd	Jinan	(Fax) 0532-87734798 (Post code) 250001
TISCO sales company in Central China	Wuhan TISCO sales Co.,Ltd	Wuhan	(Tel) 027-85615300 (Post code) 430015
	Changsha TISCO sales Co.,Ltd	Changsha	(Fax) 027-85615311 (Post code) 410015
TISCO sales company in South China	Foshan TISCO Stainless Steel Sales Co.,Ltd	Foshan	(Tel) 0757-83315711 (Post code) 528041
	Jieyang TISCO sales Co.,Ltd	Jieyang	(Tel) 0663-8766018 (Post code) 522031
TISCO sales company in Southwest of China	Chongqing TISCO sales Co.,Ltd	Chongqing	(Tel) 023-61602400 (Post code) 400039
	Chengdu TISCO sales Co.,Ltd	Chengdu	(Tel) 028-87604342 (Post code) 610036
TISCO sales company in Northwest of China	Xi'an TISCO sales Co.,Ltd	Xi'an	(Tel) 029-86231507 (Post code) 710016
			(Fax) 029-86231506