

Our Product

LUOYANG HONGSHENG TRADING CO., LTD A Reliable Metal Materials Manufacturer in China. Located in Luoyang, Henan Province—a heavy industrial city, which is a specialized innovative metal manufacturer with professional research and development team, we have modern production lines, and rigorous quality management system. As well as the strong technical team to provide customers with high-quality technical support and services. We're committed to supporting our customer with the best materials possible, as quickly as possible, using the easiest process possible

We has a strong production and technical strength. Equipped with a series of production equipments, direct reading spectrometer, universal tensile testing machine, hardness tester and a series of advanced testing equipments to meet the different inspection requirements from customers. As a leading manufacturer of Metal materials in China, we have own R&D team, as well as a complete production system, mature production technology makes us have quite deep attainments in metal production and study independently produce. We has rooted in the metal and mechanical processing as we working in manufacturing field for many years with rich experience. The good product quality is recognized by customers all over the world. Excellent after-sales service, cost-effective, which can meet most of the needs from customers.

Pure copper and new high-strength, high-conductivity copper alloy materials are among the company's leading products, focused on meeting the demand for novel contact materials in the field of advanced connectors. The copper alloys developed by the company serve as one of the key foundational materials required for the "14th Five-Year Plan" new infrastructure initiatives. These products feature high strength, high conductivity, high stress relaxation resistance, and excellent machinability. They are primarily applied in areas such as electronic connectors for new energy vehicles and charging stations, 5G communication connectors, military equipment, marine fasteners, and sewing machine shaft sleeves and linkages. The company's extensive range of developed product varieties holds a leading position in the industry.

Pure Copper and Copper Alloy



Copper

Oxygen-free copper, pure copper,
Phosphorus deoxidized copper,
Silver Copper

High performance Copper Alloy

Chromium bronze Copper,
Iron Copper Alloy

Brass

Normal Brass, Lead Brass, Tin Brass,
Aluminum Brass, Manganese Brass,
Nickel brass, Iron Brass, Silicon Brass

Bronze

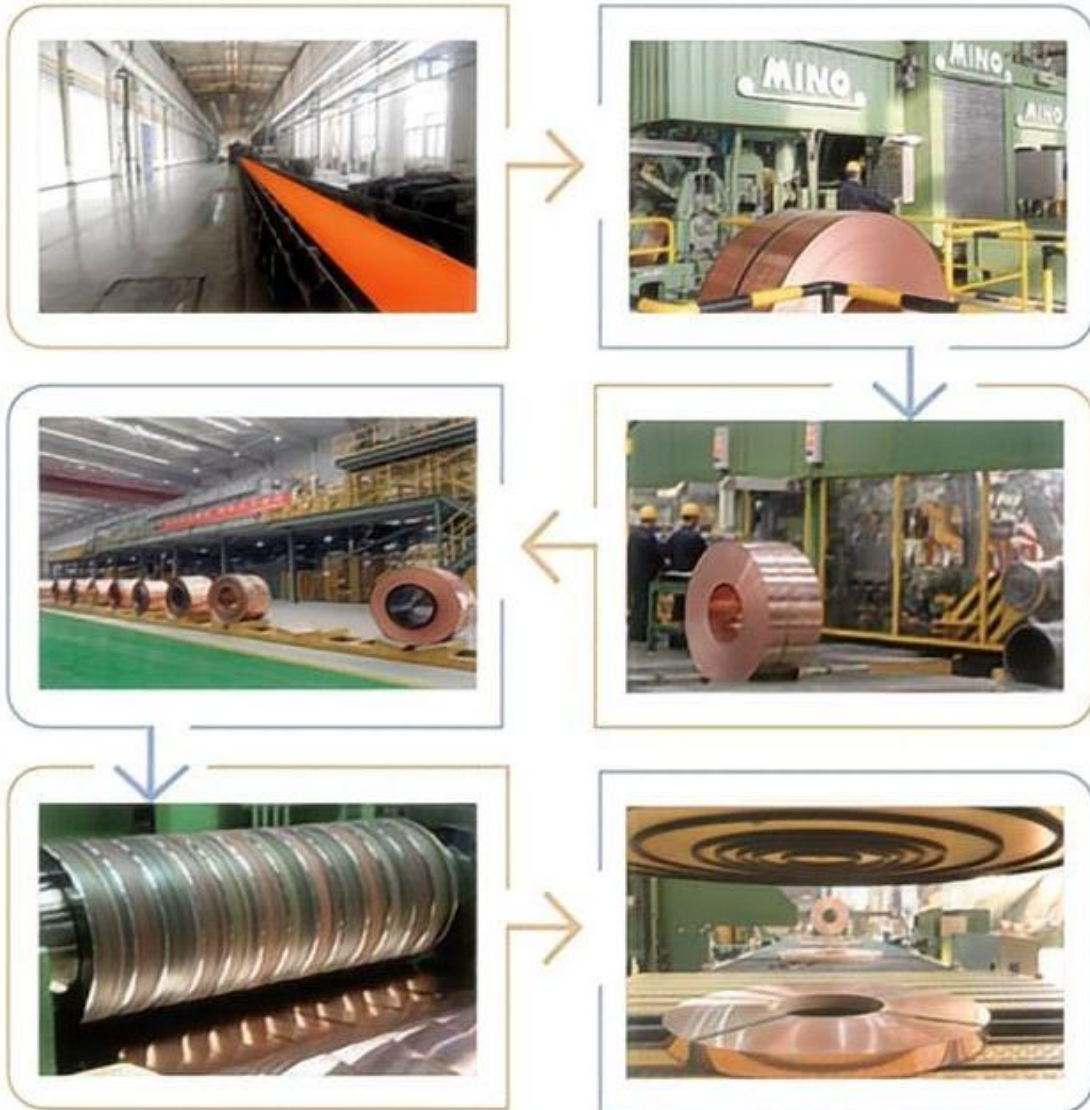
Tin Bronze, Aluminum Bronze,
Silicon Bronze

Copper Nickel Alloy

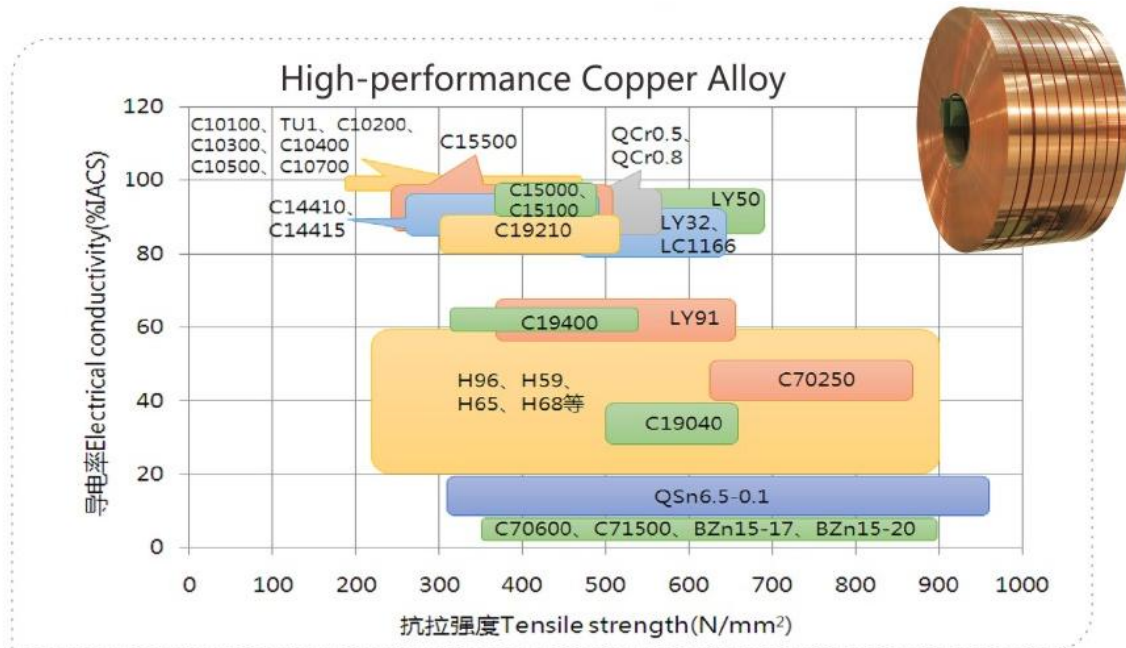
Normal Copper Nickel Alloy, Iron
Copper Nickel Alloy, Zinc Copper
Nickel Alloy

Production Equipment for copper and copper alloy strips and plates.

The sheet and strip production lines have world-class equipment and advanced technology. In recent years, the company has successively introduced dozens of advanced equipment such as blooming mills, finishing clod mills, annealing furnace groups, cleaning machine lines, stretch-bending leveling lines, slitting lines, with these machines, the company has established several high precision electronic copper strip production lines, Available products cover national standard, American standard, Japanese standard, European standard, German standard, Industry standard and customized products higher than the standard.



Performance distribution map of our copper and copper alloy products



Copper and Copper Alloy strip and sheet products and their main applications

No.	Typical Application Materials	Alloys and available specifications
1	Copper Strip for Electronic Lead frame	C19400, C70250, C19210, C14415, Brass Strip for LED
2	Copper Strip for connector	LY32, C14415, C26800, C1100
3	Copper Strip for Transformer	C10200, C11000, Width ≤ 1020mm
4	Copper Strip for RF Cable	C10200, TU0
5	Oxygen-free Copper Plate & Strip	C10100, C10200, TU00, LC1011, LC1012
6	Oxygen-free CuAg Strip	C10500, C10700
7	High-performance Alloy Strip	LY32
		C70250, CuNi2Si
		C15500
		C14415, C14410
8	Strip for Construction Decoration	LY50, C18140, C18160
		C11000, T2, C26800, C28000

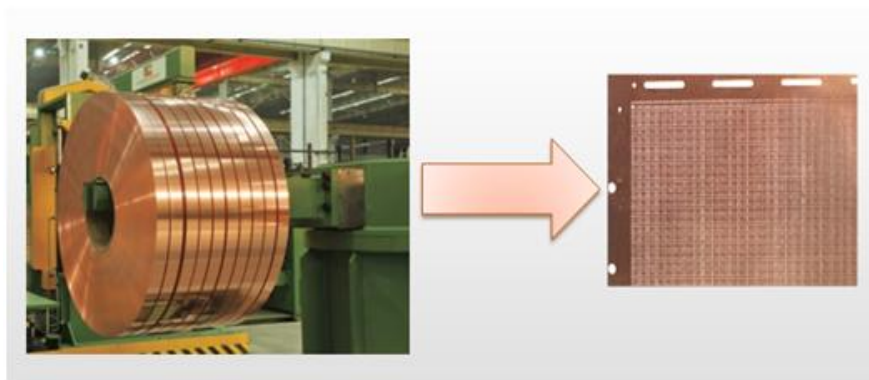


Copper Alloy For Connectors			
Alloy Type	Grade	Product Features	Applications
Machinable high copper brass alloy	C31400/CuZn9Pb2 C31600	High Cu, high thermal conductivity, easy to cut	High power diesel engine connector
High Conductivity Copper Alloy	C18700/CuPb1P	High conductivity and thermal conductivity, easy to cut, high current applications. Replace red copper.	High power connectors, charging stations
	C14500/CuTep		
High strength, high conductivity lead nickel alloy	C97 (CuNiPb1P/C19160)	High strength, high electrical conductivity, high thermal conductivity, high resistance to thermal stress relaxation, and excellent machinability	High-power connectors for new energy vehicles, pins and sockets, Spring contacts
	C98 (CuNiPb0.6P/C19150)		
	C19100	A substitute for C97 and C98 alloys with lead content below 0.1%, this new material retains the excellent properties of leaded nickel-copper alloys while also offering environmental benefits.	
High strength copper iron alloy wire	C19400 C19700	High-strength, high-conductivity alloy	Pin and ribbon connectors
Ultra high elasticity copper alloy	C72500 C72600 C72700	High strength and high elasticity alloy, can replace beryllium bronze	Aviation connectors, automotive engine connecting rod copper sleeves
Free cutting phosphor copper alloy	QSn6.5-0.1, QSn4-3 C51000 C54400	High strength, excellent stress corrosion resistance, and good machinability	Pin and socket, military connector
White copper alloy wire	C70250 C70350	Excellent cold workability, good hot forming, excellent cold and hot brazing and gas shielded arc welding.	Electrical components in high-temperature environments, external connectors for inherited wires, lead frames
Special aluminum bronze	C64200	High strength and excellent machinability	Lightning protection grounding connector

Copper Alloy for marine fasteners			
Alloy Type	Grade	Product Features	Applications
Silicon Bronze	C65100	It has the characteristics of good corrosion resistance and high compressive strength, excellent cold deformation process performance, good weldability, no sparks generated by friction, and stable low-temperature performance.	Widely used in cold heading bolts, nuts, and various fasteners, with excellent corrosion resistance used in the shipbuilding industry, ship deck guardrails, various ship fasteners, power fittings, and rail transit overhead contact wire fittings
	C65500/QSi3-1		
	QSi3-1		
	CuNi2Si		

Lead Frame strip

Copper alloy strip for lead frame is mainly used in semiconductor integrated circuits and discrete devices, and can be used for stamping, etching and semi etching processes. The main alloy are C19400, C70250, C19210, etc.

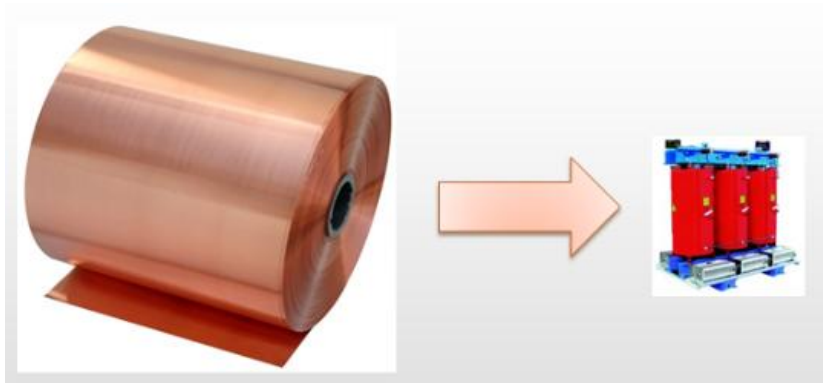


Copper Alloy	Temper	Size(mm)	
		Thickness	Width
TFE0.1 C19210	060, H01, HO2, HO4, H06	0.10~3.0	≤600
TFE2.5 C19400	060, H01, HO2, HO4, H06, H08, H10		
C70250	H TMO0, TM02, TM03	0.10~2.0	18~610

Transformer strip

It is mainly used for foil winding of power transformer, with excellent conductivity, smooth edge and no burr.

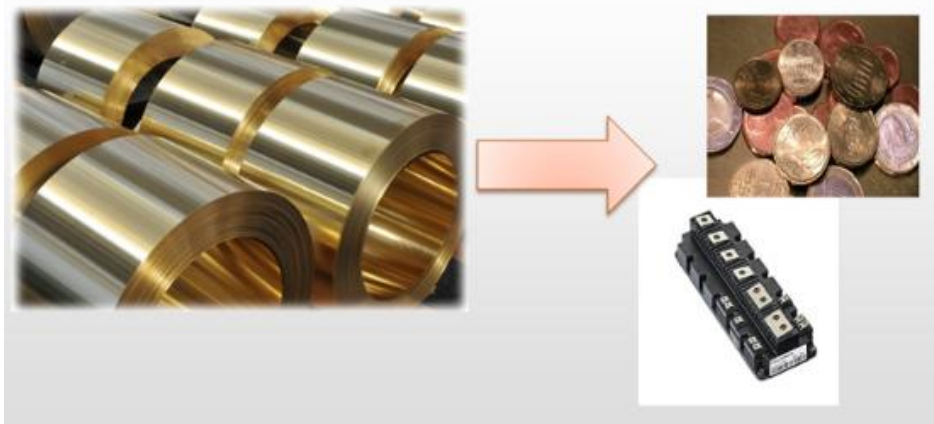
Provide 1m wide strip



Grade	Temper	Size(mm)		Main characteristics or mechanical property
		Thickness	Width	
T2 TU1	060	0.1 ~ 0.12	≤300	Rm 195~260Mpa A11.3≥35%
		>0.12~<0.40	≤600	TU1:Conductivity≥100%IACS
		0.4~2.5	≤1020	T2:Conductivity≥98%IACS

Brass strip

It is mainly used in the fields of electronic connector, weapon equipment, architectural decoration, advanced clock components, instruments, hardware and electrical appliances



Grade	Product name	Temper	Size(mm)	
			Thickness	Width
H68 H65 H62 C2680	Brass foil	TY、Y、M	0.10~0.12	≤300
			>0.12~0.15	≤600
H62 H65 H68 H70 H68 H80 HB5 H90 H96 C2680	Brass strip	060、H01、H02、 H04、H06、H08	>0.15~<0.50	≤600

Ultra wide copper and copper alloy sheet

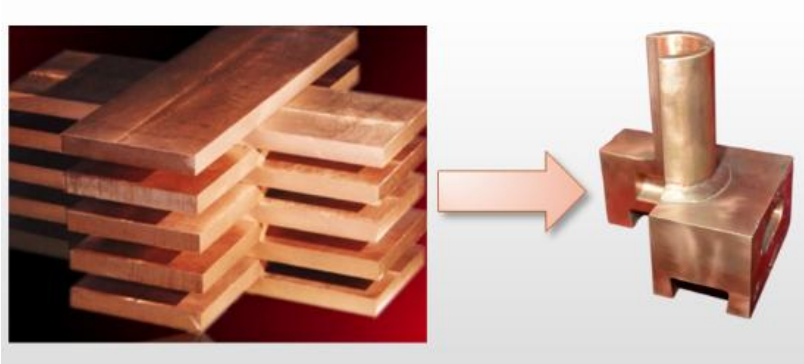
The products are mainly used in nuclear power, hydropower, shipbuilding, metallurgy, chemical industry and other fields. Product range: thickness 3-150 mm; width 200-3100 mm; length ≤ 8000 mm.



Grade	Production name	Temper	Size(mm)		
			Thickness	Width	Length
Grades of Copper and Copper Alloys	Hot Rolled Plate	M20	4~8	600~3100	≤6000
			>8~80	200~3100	≤6000
	Cold Rolled Plate	060、H01、 H02、H04、 H06、 H08.....	0.3~<0.5	400~610	≤2000
			0.5~3.0	400~1020	≤3000
		>3.0~12	400~3100	≤8000	

Copper Cooling plate for blast furnace

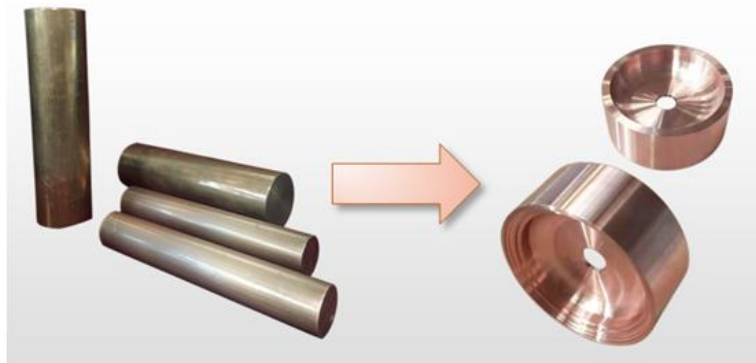
The copper cooling plate for blast furnace has excellent thermal conductivity, uniform internal structure, flat plate shape and good tolerance control.



Grade	Temper	Size(mm)			Main Characteristics or Mechanical Property
		Thickness	Width	Width	
TU2、 T2	M20、 M25	40~150	770~1590	1200~3600	Rm≥200Mpa A≥30%HB≥40;
TU2	R	75~150	770~1590	1200~3600	According to customer requirements

High purity oxygen free copper rod

The company produces high-purity oxygen-free copper bars with an o content of ≤ 5ppm, which is mainly used in high-end applications such as medical devices and electric vacuum. Aluminum magnesium plate and strip



Product	Grade	Temper	Diameter or Opposite Edge Distance (mm)	Length (mm)
High-Purity Oxygen-Free Copper	TU1 TU2	R	16 ~ 300	Requirements for use
	LC1011 C10200			
Disperse Copper Rod	TUMA10.12	Y、 M、 R	20~100	500~5000

Large diameter copper-nickle pipe

Large diameter copper-nickle pipe, mainly used in seawater desalination, marine shipbuilding, long-term export to Japan and South Korea shipbuilding developed countries.



Product Name	Grade	Temper	Size(mm)		Length (mm)
			OD	THK	
White Copper Pipe For Marine	BFe10-1-1	M	10~159	1.0~3.5	2000~6000
	BFe10-1.6-1 C70600、7060X		10~194	1.0~3.5	6000
	LC7061、LC7063、 LC7064、LC7065		10~368	1.0~5.5	4000~6000
			22~160	3~10	
Copper alloy pipes for heat exchangers and condensers	BFe10-1-1	60	10~160	1~4.5	500~6000
	C70600				
	BFe10-1.6-1	HB0、082	10~76	1~5.0	<15000
	BFe30-1-1	060、082	10~76	1~4.5	<15000
	C71500				