

MISSION & VISION

使命愿景

创造客户价值, 打造百年企业
成为行业标杆, 为现代工业文明做贡献

CREATE CUSTOMER VALUE
BUILD A CENTURY-OLD COMPANY
BECOME THE INDUSTRY BENCHMARK
CONTRIBUTE TO MODERN INDUSTRIAL CIVILIZATION

金田电材事业部

JINTIAN ELECTRIC MATERIAL DIVISION

电话/Tel: 86-574-8759 7563
传真/Fax: 86-574-8757 4482
网址/Web: www.jtcopper.com

宁波慈城 NINGBO CICHENG BASE

浙江省宁波市江北区慈城城西路1号
Address: No. 1, West Chengxi Road, Jiangbei, Ningbo, Zhejiang, China

宁波杭州湾 NINGBO HANGZHOU BAY BASE

浙江省宁波杭州湾新区滨海四路 636 号
Address: No. 636, Binhai Silu, Hangzhou Bay New Zone, Ningbo, Zhejiang, China

广东肇庆 GUANGDONG ZHAOQING BASE

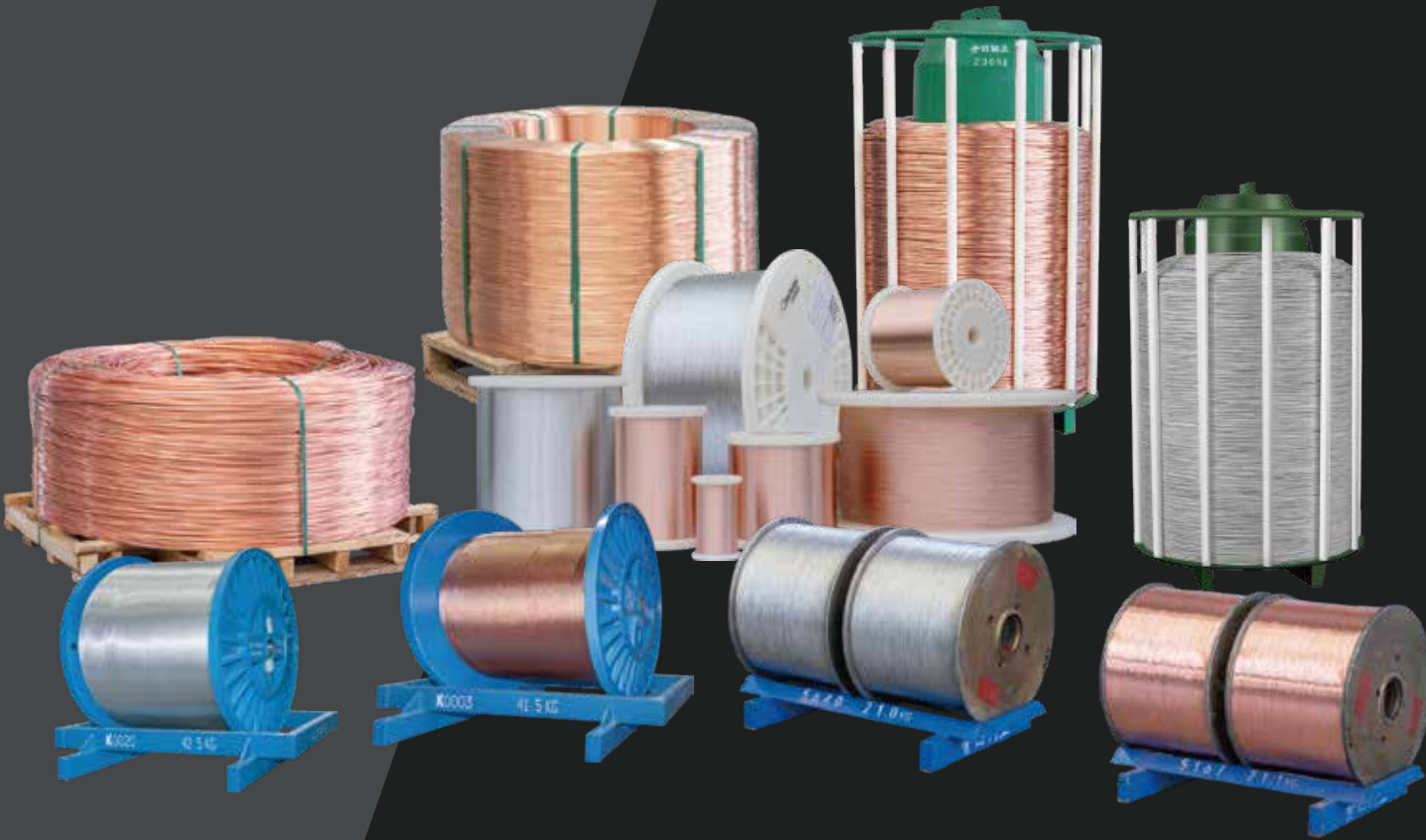
广东省肇庆市四会市东城街道金田大道1号
Address: No.1 Jintian Avenue, Dongcheng Street, Sihui, Zhaoqing, Guangdong, China

重 庆 CHONGQING BASE

重庆市江津区珞璜镇云港大道272号
Address: No.272 Yungang Avenue, Luchuang, Jiangjin, Chongqing, China
传真/Fax: 02347273666



股票代码
601609



金田电材事业部
JINTIAN ELECTRIC MATERIAL DIVISION

致力打造国际一流电工材料供应商

Committed to building a world-class electrical material supplier.

CONTENTS

目录

<u>01</u>	公司简介	
	Company Profile	
<u>03</u>	发展之路	
	Development History	
<u>05</u>	产业布局	
	Industrial Layout	
<u>07</u>	应用领域	
	Application Fields	
<u>09</u>	绿色金田	
	Green Jintian	
<u>11</u>	产品简介	
	Product Introduction	
<u>33</u>	质量管理体系	
	Quality Control System	
<u>35</u>	荣誉证书	
	Honorary Certificate	

电工圆铜杆 (8mm)
Electrical Bare Copper Rod(8mm)

电工圆铜线 (2.6mm, 3.0mm)
Electrical Bare Copper Wire(2.6mm, 3.0mm)

镀锡圆铜线
Tinned Copper Wire

电工圆铜线 (并丝, 束绞丝)
Electrical Bare Copper Wire(Bunching Wire, Stranding Wire)

软铜绞线 (大平方)
Flexible Copper Stranding Wire(Large Cross-section)

二零镀锡铜线
Double Zero Tinned Copper Wire

二零退火裸铜线
Double Zero Annealed Bare Copper Wire

二零铜绞线 (含镀锡)
Double Zero Copper Stranding Wire(Tinned)

铜锡合金
Copper-tin Alloy Wire

美国连铸连轧设备生产线
American Southwire Continuous Casting& Rolling Production Line

德国尼霍夫拉丝生产线
German Niehoff Drawing Line



宁波金田铜业(集团)股份有限公司

NINGBO JINTIAN COPPER (GROUP) CO., LTD.

公司创建于1986年,专注铜加工产业40年,是全球领先的铜合金及先进材料制造企业。主要产品有铜管、棒、线、板、带、排、电磁线、阀门、磁性材料及黄铜、青铜、紫铜、白铜等高端合金。致力于为新能源汽车、风力发电、光伏能源、电力电气、轨道交通、消费电子等产业发展提供全球一流的产品和服务。

公司立足宁波,放眼世界,在全球有八大生产基地,8000余名员工。在美国、德国、泰国、日本、韩国等地设立分支机构,业务遍及100多个国家和地区,是众多世界知名企业的长期合作伙伴。2025年,铜加工总产量达190+万吨,营收总额1500+亿元,位列中国制造业500强第88位。

Jintian was founded in 1986 and has focused on copper processing industry for 40 years, which is a global leader in the manufacturing of copper alloys and advanced materials. Our main products include copper tube, rod, wire, plate, strip, busbar, electromagnetic wire, valve, magnetic materials and high-end alloys such as brass, bronze, red copper and copper-nickel. We are committed to providing global first-class products and services for the development of new energy vehicles, wind power generation, photovoltaic energy, electric power, rail transit, consumer electronics and other industries.

Based in Ningbo and looking around the world, the company has eight major production bases, and more than 8,000 employees in the world. It has set up branches in the United States, Germany, Thailand, Japan, South Korea and other places, covering more than 100 countries and regions, and is a long-term partner of many world-renowned enterprises. In 2025, the production and sales volume of copper processing reached over 1.90 million tons, with a total revenue of 150+ billion yuan, ranking 88th among the top 500 manufacturing enterprises in China.

金田电材事业部

JINTIAN ELECTRIC MATERIAL DIVISION

金田电材事业部隶属于金田铜业,公司发展30余年,拥有宁波电材、宁波高导、广东电材、重庆电材四大生产基地。该四个生产基地是专业生产铜杆、铜线、高端铜导体、双零线、镀锡线及铜合金产品的国家高新技术企业。

金田电材事业部,坚持走新型工业化发展道路,从德国、日本、美国等引进国际一流检测仪器及设备,建成多条全球领先的连铸连轧、尼霍夫多头拉丝、绞并线以及镀锡绞并线自动化生产线,融合应用WMS、MES、SCADA等信息化系统建设数字化生产车间,产能达100万吨。

Jintian Electrical Materials Division is affiliated to Jintian Copper. With over 30 years of development, the company has four major production bases: Ningbo Cicheng, Ningbo Hangzhou Bay, Guangdong Zhaoqing, Chongqing. These four production bases are national high-tech enterprises specializing in the production of copper rods, copper wires, precision copper conductors, twin zero wires, double wires, and copper alloy products.

Adhering to the path of new industrialization, Jintian Electrical Materials Division has introduced world-class testing instruments and equipment from Germany, Japan, and other countries. It has built multiple world-leading automated production lines for continuous casting and rolling, Niehoff multi-head wire drawing, stranding, and tinned wire bunching. By integrating and applying information systems such as WMS, MES, and SCADA, it has constructed a digital production workshop with an annual capacity of 1 million tons.



磁性产品大集合



电材



电磁线



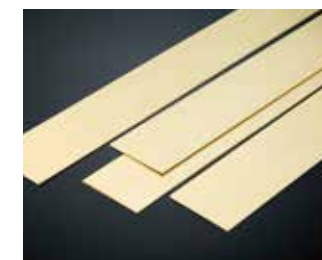
高精度棒线



杰克龙



内螺纹管



铜板



铜带



铜管



铜排集合



紫铜管件

DEVELOPMENT HISTORY

发展之路

1986

金田集团成立

1998

宁波金田电材成立

2005

通过ISO9001:2015质量管理体系、ISO14001:2015环境体系、ISO45001:2018职业健康安全管理体系认证

2012

设备、产能升级：引进15万吨美国连铸连轧生产线、引进德国尼霍夫拉丝生产线

2018

产品升级：3万吨特种线缆用高纯低氧铜绞线项目投产

2019

产能升级：杭州湾工厂年产35万吨高导高韧铜线项目投产，产能65万吨
设备信息化：全面引进SCADA系统上线

2020

完成宁波慈城工厂IATF16949体系认证

2021

产能升级：广东工厂35万吨高导高韧铜线项目投产，产能100万吨

2022

设备搬迁：重庆工厂15万吨高强高导铜线项目投产

宁波生产基地SCS再生铜翠鸟认证

2023

产能升级：杭州湾高导新材料镀锡线产线投产

2024

产能升级：绞并线扩产，实现年产能10万吨；增加3条电镀生产线，年产能2万吨

2025

产能升级：双零线生产线投产，年产能2万吨；增加笼管绞生产线6条

新品研发：连铸连轧生产线铜锡合金自主研发成功

2026

海外基地规划中

INDUSTRIAL LAYOUT

产业布局

宁波慈城



宁波慈城电材总部

Ningbo Cicheng Headquarters

浙江省宁波市江北区慈城城西路1号

Address: No. 1, West Chengxi Road, Jiangbei, Ningbo, Zhejiang, China

宁波杭州湾



宁波杭州湾电材基地

Ningbo Hangzhou Bay Base

宁波金田高导新材料有限公司

NINGBO JINTIAN HIGH CONDUCTIVE NEW MATERIAL CO., LTD

浙江省宁波杭州湾新区滨海四路636号

Address: No. 636, Binhai Silu, Hangzhou Bay New Zone, Ningbo, Zhejiang, China

广东肇庆



广东肇庆电材基地

Guangdong Zhaoqing Base

广东省肇庆市四会市东城街道金田大道1号

Address: No.1 Jintian Avenue, Dongcheng Street, Sihui, Zhaoqing, Guangdong, China

重 庆



重庆江津电材基地

Chongqing Jiangjin Base

重庆市江津区珞璜镇云港大道272号

Address: No.272 Yungang Avenue, Luchuang, Jiangjin, Chongqing, China



● 生产基地
Production Base

● 海外分支
Overseas Branch

集团8大生产基地

JINTIAN COPPER GROUP Production Base (8)

/ 宁波慈城
NINGBO CICHENG

/ 宁波杭州湾
NINGBO HANGZHOU BAY

/ 江苏金坛
JINTAN, JIANGSU

/ 广东肇庆
ZHAOQING, GUANGDONG

/ 重庆
CHONGQING

/ 内蒙包头
BAOTOU, NEIMENG

/ 越南
VIETNAM

/ 泰国
THAILAND

电材4大生产基地

JINTIAN ELECTRIC MATERIAL DIVISION Production Base (4)

/ 宁波慈城
NINGBO CICHENG

/ 宁波杭州湾
NINGBO HANGZHOU BAY

/ 广东肇庆
GUANGDONG ZHAOQING

/ 重庆
CHONGQING

APPLICATION FIELDS

应用领域



风能 / 光伏新型高效焊带 / 汇流带镀锡铜基材

Wind Power / Photovoltaic Ribbon / Tinned Photovoltaic Busbar



消费电子行业

Consumer Electronics



电动工具 / 家电行业

Electric / Home Appliance



特种电缆铜导体

Special Cable Copper Conductor



核电电缆铜导体

Copper Conductor Of Nuclear Power Cable



石油钻井平台及船用连接电缆铜导体

Oil Drilling Platform And Copper Conductor Of Marine Connecting Cable



通信线缆领域

Tele Communication Cable



机器人线束及工业控制缆领域

Robot Wiring Harnesses and Industrial Control Cables



新能源汽车高
/ 低压动力连接电缆铜导体

Electric Vehicle High
/ Low Voltage Power Connection Cable



无人机领域

Unmanned Aerial Vehicle (UAV)



医疗领域

Medical

GREEN JINTIAN 绿色金田

公司积极助力新能源汽车、风电、光伏等绿色能源领域的发展，是比亚迪、宁德时代、明阳智能、阳光电源等行业标杆的长期合作伙伴。

Jintian Copper actively contributes to the development of new energy vehicle, wind power, photovoltaic and other green energyfields, and is a long-term partner of BYD, CATL, Mingyang Smart Energy, Sungrow and other industry leverage.



- 国家级“绿色示范工厂”
National "Green Demonstration Factory"
- 国家再生铜标准主起草单位
National Recycled copper Standard Main Drafting Unit
- 屋顶光伏总面积超50万平方米
The Total Area of Roof Photovoltaic Exceeds 500,000 Square Meters
- 国家级“工业旅游示范点”
National "Industrial Tourism Demonstration Site"
- 年再生铜循环量全国第一
No.1 in Annual Recycled Copper Circulation Volume Nationwide
- 光伏电站装机容量约50MW
The Installed Capacity of the Photovoltaic Power Station is around 50MW
- 国家级“城市矿产示范基地”
National "Urban Mineral Demonstration Base"
- 全球最完善的低碳再生铜循环产业链
The World's Most Complete Low-carbon Recycled Copper Recycling Industrial Chain
- 年光伏发电量超过5000万千瓦时
Annual photovoltaic power generation capacity exceeds 50 million kilowatt hours

金田铜业低碳再生产品，帮助客户创造价值

铜产品和先进材料专家 | 引领低碳循环再生
Copper and Advanced Material Professional Manufacturer | Leading Low Carbon Cycling Regeneration

一站式全闭环低碳再生铜综合解决方案

One-stop & Closed Loop Low-carbon Recycled Copper Solution

CO₂

- 再生原料保障**
Recycled Raw Material Guarantee
 - 4大海外采购基地
4 overseas sourcing bases
 - 30+年国际采购
30+ years of international sourcing
 - 年40万吨采购量
400,000 tons of purchases annually
 - 全球100多家合作供应商
Over 100 partner-supplier worldwide
- 再生原料提纯**
Recycled Material Purification
 - 1993年建立再生冶炼公司
Established recycled smelting company in 1993
 - 年10万吨再生高纯铜产量
100,000 tons annual production of recycled high-purity copper
 - 99.99%以上铜纯度
Over 99.99% copper purity
 - SCS100%再生认证
100% RCS recycled certification
- 再生认证体系**
Recycling Certification System
 - Global Recycled Standard
- 绿色能源比例**
Green Energy Ratio
 - 光伏总面积超50万m²
Total photovoltaic area exceed 500,000m²
 - 光伏电站装机容量50MW
Photovoltaic power station capacity 50MW
 - 年光伏电量超过5000万kWh
Annual photovoltaic power over 50 million kWh

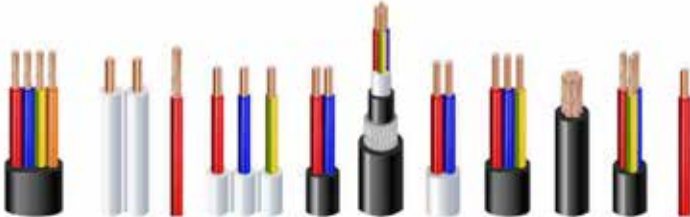
- ◆ 帮助客户实现**一站式 + 闭环**的低碳再生铜材产品解决方案
- ◆ 30 年的再生铜生产制造经验，与客户**联合研发，共同创新**
- ◆ 全球化采购布局，规模化生产能力，帮助客户实现**产能扩张支撑**
- ◆ 内部专业的低碳再生项目组，为客户提供**点对点的定制服务**



PRODUCT TYPES

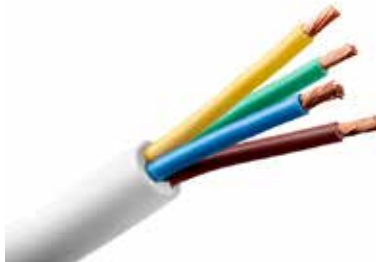
产品简介

材料类型 Material Types	电工圆铜杆 (8mm) Electrical Bare Copper Rod(8mm)
可适用海底电缆、换位导线、超高压电缆等产品加工。 Application: submarine cables, CTC wires, EHV cables, etc.	
铜杆产品 Copper Rod Product	适用领域 Application Fields
	 电力电缆 Power cable
	 工业控制电缆 Industrial control cable
	 漆包扁线 Enamelled flat wire

材料类型 Material Types	电工圆铜线(2.6mm, 3.0mm) Electrical Bare Copper Wire(2.6mm, 3.0mm)
可适用各类电线电缆、各类漆包线、网络线、电子线和通讯线等产品加工。 Application: all kinds of wires and cables, enameled wires, network wires, electronic wires, communication wires, etc.	
2.6mm产品 2.6mm Product	适用领域 Application Fields
	 铜线编织线 Copper wire braided wire
	 漆包线 Enamelled wire
	 网络线 Network cable
3.0mm产品 3.0mm Product	适用领域 Applicable Fields
	 光伏汇流条 Photovoltaic bus bar
	 铜箔 Copper foil
	 电源线 AC / DC wire

材料类型 Material Types		镀锡圆铜线 Tinned Copper Wire(Bunching Wire, Stranding Wire)	
适用于光伏线缆、电子线、电源线等加工。 Application: photovoltaic cables, electronic wires, AC / DC wires, etc.			
并线、束绞线 Bunching Wire, Stranding Wire	适用领域 Applicable Fields		
		光伏电缆 Photovoltaic cable	
			
		光伏接线盒 Photovoltaic junction box	
			
			

材料类型 Material Types		电工圆铜线(1.13mm，单丝) Electrical Bare Copper Wire(1.13mm, single wire)	
适用于汽车线、通信线缆、工业线缆等加工。 Application: ultra-micro electromagnetic wires, double zero wires drawing, etc.			
1.13mm, single wire		适用领域 Application Fields	
		 双零线 Double zero wire  单丝 Single wire	

材料类型 Material Types		电工圆铜线（并线、束绞线） Electrical round copper wire (bundle wire, bundle wire)	
可适用于通讯领域、光伏电缆线、变压器线圈等加工。 It can be applied to the processing of communication fields, photovoltaic cables, transformer coils, etc.			
并线、束绞线 bundle wire、bundle wire		适用领域 Application Fields	
		 电梯线 Elevator wire  汽车线 Automobile wire	

材料类型 Material Types		大平方铜线（裸铜、镀锡） Large Cross-Section Copper Conductor (Bare Copper, Tinned)	
适用于电力电缆、工业装备、轨道交通、船舶海工、光伏系统、石油平台等加工。 Application: power cables, industrial equipment, rail transit, marine engineering, photovoltaic systems, oil platforms, etc.			
裸铜 Bare Copper	适用领域 Application Fields		
			工业装备 Industrial equipment
			轨道交通 Rail transit
镀锡 Tinned	适用领域 Application Fields		
			光伏系统 Photovoltaic systems
			石油平台 Oil platformse

材料类型 Material Types		双零线（裸铜、镀锡） Double Zero Wire (Bare Copper, Tinned)	
适用于机器人线缆、消费电子线缆、5G与高频通信、航空航天线缆等加工。 Application: robot cables, consumer electronic cables, 5G and high-frequency communication, aerospace cables, etc.			
裸铜 Bare Copper	适用领域 Application Fields		
	 机器人线缆 Robot cable	 消费电子线缆 Consumer electronic cable	
镀锡 Tinned	适用领域 Application Fields		
	 5G 5G and high-frequency communication	 航空航天线缆 Aerospace cable	

材料类型 Material Types		铜锡合金 Copper-tin alloy wire	
适用于消费电子、新能源汽车、机器人等产品加工。 Application: consumer electronic wires, new energy vehicle wires, robot wires			
铜锡合金 Copper-tin alloy wire	适用领域 Application Fields		
	 消费电子 Consumer electronic wire	 新能源车 New energy vehicle wire	
	 机器人 Robot wire		

ELECTRICAL BARE
COPPER ROD(8MM)

电工圆铜杆（8mm）

符合GB/T3952-2016,应用广泛,年产能100万吨,具有拉细丝性能好、氧含量稳定等性能。

Complies with GB/T3952-2016, is widely used, with an annual production capacity of 1000000 tons: 1 million, and has good wire drawing performance and stable oxygen content.



材料类型 Material Types		电工用铜线坯 Electrical Bare Copper Wire
产品名称 Name of Commodity	T1M20 Φ8mm	
执行标准 Execution Standard	GB/T3952-2016	
产品性能 Product Performance	公差 Tolerance	±0.38mm
	伸长率（%） Elongation（%）	≥40%
	±15铜粉 ±15 Copper Powder	≤3mg
	±25转至扭断转数 ±25 Turns until torsion	≥34
	氧含量 Oxygen Content	200-400ppm
	氧化层 Oxide Layers	≤300Å
	电阻率 Resistivity	≤0.017000Ω·mm²/m

ELECTRICAL BARE
COPPER WIRE(2.6MM, 3.0MM)

电工圆铜线（2.6mm、3.0mm）



符合GB/T3953-2024具有拉细丝性能好、氧含量稳定等性能。

Complies with GB/T3953-2024, and has good wire drawing performance and stable oxygen content.

材料类型 Material Types		电工圆铜线（2.6mm） Electrial round copper wire (2.6mm)	
产品名称 Name of Commodity		TR 2.6mm	
产品状态 Status		软态TR	
包装方式 Packing		紧密收线 Dense-laid coils	梅花收线 Orbital Coils
包装规格 Packing Specification		1000*1000*700	Φ1100*1750
单 重 Each weight		≤2 t	≤1.8 t
标准产品 Standard product	公 差 Tolerance	±0.026 mm	
	不 圆 度 Roundness	0.026 mm	
	伸 长 率（%） Elongation（%）	>30%	
	电 阻 率 Resistivity	≤ 0.017241	
	表面质量 Surface quality	光洁、无毛刺 Smooth without fur	

材料类型 Material Types		电工圆铜线（3.0mm） Electrical round copper wire (3.0mm)		
产品名称 Name of Commodity	TR 3.0mm		TY 3mm	
产品状态 Status	软态TR		硬态TY	
包装方式 Packing	紧密收线 Dense-laid coils	梅花收线 Orbital Coils	梅花收线 Orbital Coils	
包装规格 Packing Specification	1000*1000*700	Φ1100*1750	Φ1100*175	
单 重 Each weight	≤2 t	≤1.8 t	≤1.8 t	
标准产品 Standard product	公 差 Tolerance	±0.03 mm		±0.03 mm
	不 圆 度 Roundness	0.03 mm		0.03 mm
	抗拉强度	-		≥389N/mm²
	伸 长 率（%） Elongation（%）	>30 %		≥1 %
	电 阻 率 Resistivity	≤ 0.017241		≤ 0.01777
	表面质量 Surface quality	光洁、无毛刺 Smooth without fur		光洁、无毛刺 Smooth without fur

TINNED COPPER WIRE

镀锡圆铜线



符合GB/T4910-2022,具备耐腐蚀性能、高导电性能、加工性能等优质性能。

Tinned round copper wireComply with GB/T4910-2022, with high-quality properties such as corrosion resistance, high electrical conductivity, and processing performance.

材料类型 Material Types		镀锡圆铜线 Tinned Copper Wire	
产品名称 Name of Commodity		TXR (1.4-2.6) mm	
产品状态 Status		TXR	
镀层厚度 Plating Thickness		(1-20) μ	
包装方式 Packing		梅花收线或铁盘 Orbital Coils or Iron plate	
包装规格 Packing Specification		φ1100*1700mm 或 630mm	
单 重 Each weight		客户要求 Customizable	
标准产品 Standard product	公 差 Tolerance	±1%d (mm)	
	伸 长 率 (%) Elongation (%)	1.40 ≤ d ≤ 2.00 (mm)	≥ 20%
		2.00 < d ≤ 2.60 (mm)	≥ 25%
	电 阻 率 Resistivity	≤ 0.017600	
	表面质量 Surface quality	光洁、无毛刺 Smooth without fur	

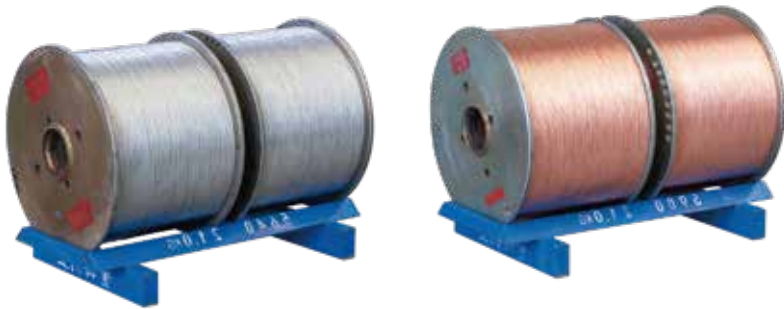
ELECTRICAL BARE COPPER WIRE

(BUNCHING WIRE, STRANDING WIRE)

电工圆铜线（并丝、束绞丝）

符合GB/T3953-2024、GB/T12970-2009，
具有线径一致、伸长率稳定、抗氧化等性能。

Complies with GB/T3953-2024 and GB/T12970-2009,
Features consistent wire diameter, stable elongation,
and oxidation resistance.



材料类型 Material Types		电工圆铜线（并丝） Electrical Bare Copper Wire(Bunching Wire)	
产品名称 Name of Commodity		TR1 (0.1-1.0) mm	
产品状态 Status		软态TR1	
包装方式 Packing		铁盘 Iron plate	
包装规格 Packing Specification		630 mm	
单 重 Each weight		客户要求 Customizable	
标准产品 Standard product	公 差 Tolerance	0.160 ≤ d < 0.400 (mm)	±0.004 (mm)
		0.400 ≤ d ≤ 1.00 (mm)	±1%d (mm)
	伸 长 率 (%) Elongation (%)	0.100 < d ≤ 0.280 (mm)	≥ 18%
		0.280 < d ≤ 0.560 (mm)	≥ 20%
		0.560 < d ≤ 1.00 (mm)	≥ 25%
	电 阻 率 Resistivity	裸铜线：≤0.01707 Bare copper wire: ≤0.01707 镀锡线：≤0.01720（无镀层厚度要求） Tin-plated wire: ≤0.01720 (no coating thickness requirement)	
表面质量 Surface quality		排线紧密、光洁、无毛刺 The wiring is tight, smooth, and free of burrs	

材料类型 Material Types		电工圆铜线（束绞丝） Electrical Bare Copper Wire(Stranding Wire)	
产品名称 Name of Commodity		TJR TJR1 TJRX TJRX1	
产品状态 Status		软态TR	
包装方式 Packing		铁盘 Iron plate	
包装规格 Packing Specification		630mm（内孔125mm） 800mm（内孔125mm）	
单 重 Each weight		客户要求 Customizable	
标准产品 Standard product	伸 长 率 (%) Elongation (%)	符合GB/T 12970.2-2009中 4.5的规定 Complies with the provisions of 4.5 in GB/T 12970.2-2009	
	绞 向 Twisted direction	左向 或 右向 Left facing or Right facing	
	标称截面 Nominal cross-section	0.2mm²-16mm²	
	绞 距 Twist pitch	5-100	
	电 阻 率 Resistivity	TJR ≤0.01707 TJRX ≤0.017600	
	表面质量 Surface quality	圆整、光洁、干燥、无毛刺 Round, smooth, dry, without burrs	

SOFT COPPER STRANDED WIRE (LARGE CROSS-SECTION)

软铜绞线（大平方）



软铜绞线（大平方）由多股高纯度软铜丝绞合而成，具备优良导电性和柔韧性，适用于大电流传输场景。广泛应用于电力配电、工业设备等。

Soft copper stranded wire (large cross-section) is made of multiple high-purity copper single wires stranded together, featuring a relatively flexible structure.

It offers excellent conductivity and flexibility, making it suitable for high-current transmission applications. Widely used in power distribution, industrial equipment, and related electrical systems.

材料类型 Material Type	软铜绞线（大平方） Flexible Copper Stranded Wire (Large Cross-Section)
产品名称 Product Name	TJR、TJRX
产品规格范围 Product Specification Range	笼绞： (25-400) mm ² Stranded Wire: (25-400) mm ²
	管绞： (16 - 25) mm ² Stranded Wire: (16-25) mm ²
执行标准 Executive Standard	GB/T3956-2008或客户标准 GB/T3956-2008 or customer-specific standard
包装方式 Packaging	铁盘 Iron reel
收线盘规格 Take-up Reel Specification	PN1000/1250/1600mm PN1000/1250/1600mm

DOUBLE ZERO TINNED COPPER WIRE

双零镀锡铜线



采用优质铜材，经拉丝退火后表面浸镀锡层，达到抗氧化和提高产品可焊性能。主要应用于极细铁氟龙电子线，极细同轴线，医疗检测线，新能源特软高温线材，手机数据线以及高端电子产品连接线等。

Made of high-quality copper material, drawn, annealed, and then surface-tinned to achieve oxidation resistance and improve the solderability of the product. Mainly used in ultra-fine Teflon electronic wires, ultra-fine coaxial wires, medical testing wires, new energy soft high-temperature wires, mobile phone data cables, and high-end electronic product connecting wires, etc.

材料类型 Material Type	双零镀锡铜线 Double Zero Tinned Copper Wire
产品名称 Product Name	TXR
产品规格范围 Product Specification Range	(0.040~0.080) mm
单支线直径公差 Single Wire Diameter Tolerance	±0.002mm
伸长率 (%) Elongation (%)	≥12%
电阻率 Resistivity	≤0.01851Ωmm ² /m
导电率 Conductivity	≥93%

DOUBLE ZERO ANNEALED BARE COPPER WIRE

双零退火裸铜线



采用优质铜材，经拉丝退火后绞线或者编织。主要应用于医疗仪器检测线，手机快充线，平面网编织，立体 3D 编织等。

Manufactured using high-quality copper materials. Processed through drawing and annealing before stranding or weaving.

Main applications include:

- Medical instrument detection wires
- Mobile phone charging cables
- Flat braided wires
- 3D stereo braided wires

材料类型 Material Type	双零退火裸铜线 Double Zero Annealed Bare Copper Wire
产品名称 Product Name	TR
产品规格范围 Product Specification Range	(0.020~0.080) mm
单支线直径公差 Single Wire Diameter Tolerance	±0.002mm
伸长率 (%) Elongation (%)	≥12%
20°C时体积电阻率 Volume Resistivity at 20°C	≤0.01707Ωmm ² /m
导电率 Conductivity	≥100%

DOUBLE ZERO COPPER STRANDED WIRE (TINNED)

双零铜绞线（含镀锡）



双零铜绞线（含镀锡）由多股细铜丝绞合而成，表面镀锡增强抗氧化性和焊接性，适用于高频信号传输和精密电子连接，广泛应用于通信设备、电子仪器及高频电路等。

Double zero copper stranded wire (tinned) is formed by stranding multiple strands of fine copper wire together. The surface is tinned to enhance oxidation resistance and weldability. It is suitable for high-frequency signal transmission and precision electronic connections, and is widely used in communication equipment, electronic instruments, and high-frequency applications.

材料类型 Material Type	双零铜绞线（含镀锡） Double Zero Copper Stranded Wire (Tinned)
产品名称 Product Name	TJR、TJRX
产品状态 Product Specification Range	(0.009-0.25) mm ²
执行标准 Executive Standard	客户标准 Customer Standard

COPPER-TIN ALLOY WIRE

铜锡合金

铜锡合金线具有机械强度高、导电优良、抗疲劳与耐磨性优异等特点。主要应用于机器人、消费电子、新能源汽车等高端领域。

Copper-tin alloy wire features high mechanical strength, excellent electrical conductivity, superior fatigue resistance and wear resistance.

It is mainly used in high-end fields such as robotics, consumer electronics and new energy vehicles.



材料类型 Material Types			铜锡合金 Copper-tin alloy wire		
牌号 Grade			CuSn0.2		
锡含量（%） Tin Content（%）			0.15-0.25		
状态(Y/R) Status (Y/R)	Y	Y	Y	Y	Y
规格(mm) Specification (mm)	2.6	0.9	0.35	0.08	0.028
伸长率（%） Elongation（%）	≥3.2	≥1.0	≥1.3	≥0.8	≥1.7
抗拉强度（Mpa） Tensile Strength (Mpa)	≥495	≥572	≥582	≥810	≥940
导电率（%） Resistivity（%）	≥87	≥86	≥84	≥81	≥77

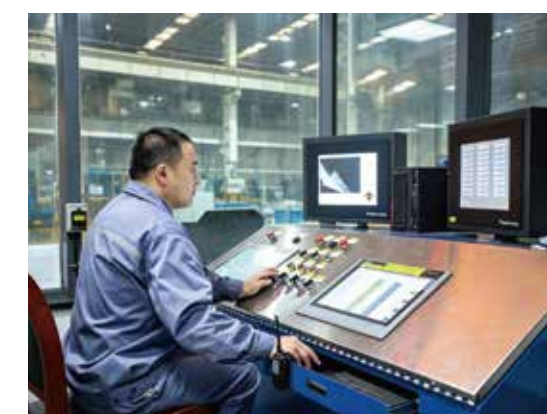
材料类型 Material Types			铜锡合金 Copper-tin alloy wire			
牌号 Grade			CuSn0.3			
锡含量（%） Tin Content（%）			0.25-0.35			
状态(Y/R) Status (Y/R)	R	Y	Y	R	R	R
规格(mm) Specification (mm)	8	2.6	0.9	0.1	0.05	0.03
伸长率（%） Elongation（%）	≥43	≥2.6	≥1.5	≥22	≥19	≥15
抗拉强度（Mpa） Tensile Strength (Mpa)	≥260	≥520	≥600	≥280	≥300	≥300
导电率（%） Resistivity（%）	≥81	≥79	≥78	≥87	≥82	≥82

材料类型 Material Types			铜锡合金 Copper-tin alloy wire	
牌号 Grade			CuSn0.6	
锡含量（%） Tin Content（%）			0.55-0.65	
状态(Y/R) Status (Y/R)	Y		Y	Y
规格(mm) Specification (mm)	2.6		0.9	0.65
伸长率（%） Elongation（%）	≥0.2		≥0.2	≥0.2
抗拉强度（Mpa） Tensile Strength (Mpa)	≥559		≥588	≥637
导电率（%） Resistivity（%）	≥57		≥56	≥56

AMERICAN SOUTHWIRE CONTINUOUS CASTING & ROLLING PRODUCTION LINES

美国连铸连轧生产线

■ 150,000 t / 350,000 t
年生产能力



美国南方线材SCR连铸连轧生产线是世界上技术最成熟可靠的铜杆生产线。公司拥有SCR3000连铸连轧生产线与SCR7000连铸连轧生产线,年生产能力分别达到15万吨、35万吨。生产的8mm铜杆产品各项性能符合GB/T3952-2016国家标准。

The SCR continuous casting and rolling production line is the most mature and reliable copper rod production line in the world. Jintian has SCR3000 continuous casting and rolling production line and SCR7000 continuous casting and rolling production line, with an annual production capacity of 150,000 tons and 350,000 tons respectively. The performance of the 8mm copper rod products is in line with the GB/T3952-2016 national standard.

GERMANY NIEHOFF DRAWING LINES

德国尼霍夫拉丝生产线



■ 镀锡机 (冷镀)

德国尼霍夫高速拉丝生产线是世界上最先进的电工圆铜线生产线。公司拥有德国尼霍夫高速连续退火拉丝生产线、德国尼霍夫绞线生产、德国尼霍夫并线生产线、德国尼霍夫镀锡生产线。可为客户定制生产各类电工圆铜线产品、各项性能指标符合 GB/T3953-2024、GB/T4910-2022、GB/T12970-2009 等国家标准。

The German Niehoff high-speed wire drawing production line is the most advanced electrical round copper wire production line in the world. Jintian has a German Niehoff high-speed continuous annealing and wire drawing production line, German Niehoff twisted wire production, German Niehoff parallel line production line, and German Niehoff tin plating production line. It can customize and produce all kinds of electrical round copper wire products for customers, and various performance indicators meet GB/T3953-2024, GB/T4910-2022, GB/T12970-2009 and other national standards.



- 300,000t (双头大拉)
Double Station Rod Break-Down Lines
 - 120,000t (多头拉)
Multiwire Lines
 - 30,000t (绞线)
Stranding Lines
 - 20,000t (镀锡线)
Tinned Lines
- 年生产能力



CAGE STRANDING AND TUBULAR STRANDING PRODUCTION LINES

笼绞、管绞生产线



公司拥有笼绞、管绞生产线,可根据客户要求定制化生产 (16-400) mm² 区间产品,产品质量符合GB/T3956-2008、GB/T12970-2009等国家标准或客户要求。

The company has cage stranding and tubular stranding production lines and can customize products in the range of (16-400) mm² according to customer requirements. The product quality complies with national standards such as GB/T3956-2008, GB/T12970-2009 and customized.

■ **10000t** (笼管绞) Cage Tube Stranding
年生产能力

FINE WIRE WORKSHOP

微拉车间



■ **20,000t**
年生产能力

公司微拉车间专注于直径(0.02-0.08)mm超细铜线，(0.009-0.25)mm²绞线的生产，凭借顶尖技术与严苛标准，为市场输送兼具卓越导电性与稳定性的精品铜材，可满足机器人及工艺控制、通讯线缆、新能源等多领域对超细线材的严苛需求。

The company's fine wire drawing workshop specializes in the production of ultra-fine copper wire with a diameter of (0.02-0.08) mm and stranded wire of (0.009-0.25) mm². Relying on top-tier technology and stringent standards, it delivers high-quality copper materials with excellent electrical conductivity and stability to the market, which can meet the stringent requirements for ultra-fine wires in various fields such as robotics and process control, communication cables, and new energy.

质量管理体系

公司秉承“坚持科技创新，强化企业管理，保证工作质量，满足顾客需求”的质量方针，坚持走循环经济和新型工业化和谐发展道路，拥有一流的质量管理水平和人才队伍，公司通过了ISO9001、ISO14001、ISO45001、IATF16949等管理体系认证。在绿色低碳产品认证方面，通过了SCS 翠鸟、再生回收标准GRS等认证。

在未来的发展中，公司将沿着“战略领航、卓越运营、高能组织、数智创新、品牌共生”的发展之路，继续贯彻落实科学发展观，不断创新发展模式，持续优化产业布局和产品结构，加大科技创新力度，加快转型升级步伐，为实现“创造客户价值，打造百年企业，成为行业标杆，为现代工业文明做贡献”的使命愿景而努力奋斗。

The company adheres to the quality policy of "Upholding technological innovation, strengthening enterprise management, ensuring work quality, and meeting customer needs". It is committed to the harmonious development path of circular economy and new industrialization, and possesses first-class quality management and a talented team. The company has passed the certification of management systems such as ISO9001, ISO14001, ISO45001, and IATF16949. In terms of green and low-carbon product certification, it has obtained certifications such as SCS certification and the Global Recycled Standard (GRS).

For future development, the company will continue along the path of "Strategic Leadership, Operational Excellence, High-Energy Organization, Digital & Intelligent Innovation, Brand Symbiosis". It will continue to implement the scientific outlook on development, continuously innovate its development model, optimize its industrial layout and product structure, increase investment in technological innovation, and accelerate the pace of transformation and upgrading. The company strives to achieve its mission and vision of "Creating customer value, building a century-old enterprise, becoming an industry benchmark, and contributing to modern industrial civilization".

CONTROL



伸长率测试仪



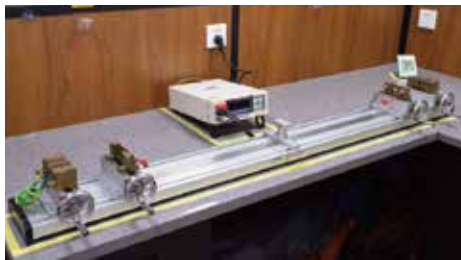
金相抛光机



光谱测试仪



探伤仪



HIOKI-RM345系列电阻率测试仪



LECO 氮氧分析仪



TMT-3电子扭转试验机



JDY-30S型压片机



CMT5504型
微机控制电子万能试验机

QUALITY



专利证书 PATENT CERTIFICATE



HONORARY CERTIFICATE

荣誉证书



部分合作伙伴 PARTNERS

