

## 使命愿景 MISSION & VISION

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



STOCK CODE  
股票代码  
601609



## 金田铜业铜管事业部

JINTIAN COPPER GROUP COPPER TUBE DIVISION

宁波金田铜管有限公司  
NINGBO JINTIAN  
COPPER TUBE CO.,LTD.

金田铜业(越南)有限公司  
JINTIAN COPPER INDUSTRIAL  
(VIETNAM) CO.,LTD.

江苏兴荣铜业有限公司  
JIANGSU XINGRONG  
COPPER CO., LTD.

金田铜业(泰国)有限公司  
JINTIAN COPPER  
(THAILAND) CO.,LTD.



宁波金田铜业(集团)股份有限公司  
NINGBO JINTIAN COPPER(GROUP) CO.,LTD.  
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金田铜业官网  
WEBSITE



金田铜业官微  
WECHAT



## 金田铜业集团简介 JINTIAN COPPER GROUP

500

中国企业500强  
Top 500  
Enterprises in China

100

中国民营企业100强  
Top 100 Private  
Owned Enterprises in China



中国铜加工领军企业  
Leading Enterprise in  
Copper Processing in China



国家重点高新技术企业  
National Key  
High-Tech Enterprise



国家级工程技术中心  
National Level  
Engineering Technology Center



国家级实验室  
National  
Level Laboratory

公司创建于1986年，专注铜加工产业38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，25家分子公司，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。

2023年，铜加工产销量达191万吨，营收总额1400+亿元，位列中国制造业500强第94位。

Ningbo Jintian Copper (Group) Co., Ltd., founded in 1986, focusing on copper processing industry for 38 years, is a global leader in the manufacturing of copper alloys and advanced materials. Mainly produces Copper Tube, Rod, Wire, Plate, Strip, Busbar, Electromagnetic Wire, Valve, Magnetic materials and high-end Alloys such as brass, bronze, copper and copper nickel, Jintian Group is 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.

Jintian Group, headquartered in Ningbo (Zhejiang, China), has eight production bases, 25 subsidiaries, and over 8,000 employees worldwide. It has established branches in the United States, Germany, Thailand, Japan, South Korea, and other countries. With business cooperation spanning over 100 countries and regions, Jintian Group has become a long-term partner for many world-renowned enterprises.

In 2023, Jintian Group's sales reached 1.91 million tons, with total revenue exceeding 140 billion RMB, ranking 94th among China's Top 500 Manufacturing Companies.

## 金田铜业-铜管事业部 COPPER TUBE DIVISION



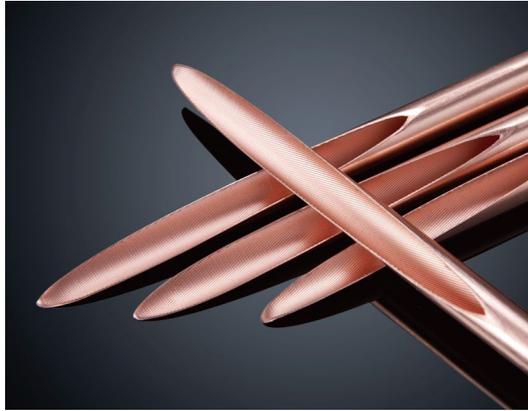
### 全球精密铜管生产基地

GLOBAL MANUFACTURING BASE OF PRECISE COPPER TUBE

金田铜管事业部隶属于金田铜业，是中国空调制冷与暖通用高端精密铜管领域的领先企业，目前已实现铜管产业的国际化布局，拥有宁波、江苏、越南、泰国（在建）四大制造基地，引进德国、美国、日本等国家先进的制造和检测设备，拥有多条国际领先的现代化连铸连轧空调管生产线及挤压拉伸生产线，产品畅销国内外，与大金、三星、LG、松下、开利、美的、海尔等国内外一线空调品牌企业建立了长期稳定的合作关系，市场覆盖全球100多个国家或地区的市场，上千家客户，形成了良好的品牌形象和行业口碑。

Jintian Copper Tube Division, part of Jintian Group, is a leading company in China's high-end precision copper tube industry for HVAC applications. It has accomplished internationalized layout with manufacturing bases in Ningbo, Jiangsu, Vietnam, and Thailand (under construction), and has several world-class continuous casting and rolling lines equipped with advanced manufacturing and testing equipment from Germany, the U.S., and Japan.

Jintian Copper Tube Division has long-term stable partnerships globally with leading air conditioning brands such as Daikin, Samsung, LG, Panasonic, Carrier, Midea, and Haier. It serves thousands of customers from over 100 countries and regions, and has established a strong brand image and industry reputation.



**内螺纹铜管** INNER-GROOVED TUBE

● **应用领域/Applications**  
用于空调与制冷系统的热交换器行业。  
Heat Exchanger Industry for Air Conditioning and Refrigeration System.

● **生产范围/Range**  
壁厚 Wall thickness : 0.18-0.70 mm  
外径 Outside diameter :  $\phi$ 3.60-16.00 mm  
齿高 Depth of tooth : 0.05-0.35 mm

● **牌号/ALLOY** TP2、TU0、TU1



**水平复绕盘管** LEVEL WOUND COIL

● **应用领域/Applications**  
用于空调与制冷行业的热交换器及管路系统连接。  
Air Conditioner, Heat Exchanger of Refrigeration Industry and Pipeline System.

● **生产范围/Range**  
壁厚 Wall thickness : 0.20-2.00 mm  
外径 Outside diameter :  $\phi$ 3.80-25.40mm

● **牌号/ALLOY** TP2、TU1、C1940、JT510

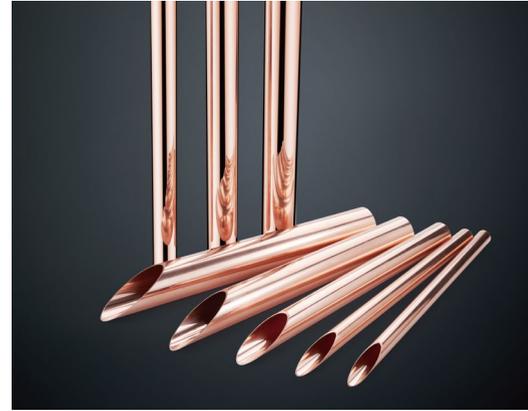


**蚊香盘管** PANCAKE COIL

● **应用领域/Applications**  
空调与制冷行业管路连接及维修安装。  
Installation and Maintenance of Air Conditioneing, Refrigeration and Piping System.

● **生产范围/Range**  
壁厚 Wall thickness : 0.27-1.50 mm  
外径 Outside diameter :  $\phi$ 4.00-23.00 mm

● **牌号/ALLOY** TP2、JT510



**直管** STRAIGHT TUBE

● **应用领域/Applications**  
空调直管、铜水管、医疗气体和真空用无缝铜管。  
AIR CONDITIONING STRAIGHT TUBE、COPPER WATER TUBE、SEAMLESS COPPER TUBES FOR MEDICAL GASES AND VACUUMS.

● **生产范围/Range**  
壁厚 Wall thickness : 0.20-5.00 mm  
外径 Outside diameter :  $\phi$ 4.00-257.00 mm

● **牌号/ALLOY** TP2、T2、JT510、C1940



**无氧铜管** OXYGEN-FREE COPPER TUBE

● **产品特点/Features**  
高纯度、高延伸、高耐腐蚀性和耐氢脆性。  
High purity, high elongation, high corrosion resistance and hydrogen brittleness resistance.

● **应用领域/Applications**  
电器及电子散热 (CPU、电脑、手机、5G 基站、新能源汽车等) 磁控管、电力行业, 空调与制冷系统的热交换行业。  
Electrical And Electronic Cooling (Including CPU, Computers, Smartphones, 5G Base Stations, New Energy Vehicles), Magnetrons, Power Industry, Air Conditioner, Heat Exchanger of Refrigeration Industry and Pipeline System.

● **牌号/ALLOY** TU0、TU1、TU2

● **生产范围/Range**

项目 Item	外径 (mm) Outer Diameter	壁厚 Wall thickness	齿高 Depth of tooth
手机管 Mobile phone Tube	$\phi$ 1.50-10.00mm	0.06-0.12mm	/
电脑管 (含散热模组类) Computer Tube	$\phi$ 3.00-12.00mm	0.12-1.20mm	/
沟槽管 Grooved Tube	$\phi$ 3.00-12.70mm	/	/
磁控管 Magnetron Tube	$\phi$ 10.00-50.00mm	0.50-2.50mm	/
电力用管 Electric Power Tube	$\phi$ 8.00-40.00mm	0.30-2.00mm	/
冷管 For Heat Exchanger	$\phi$ 3.60-16.00 mm	0.18-0.70 mm	0.05-0.35 mm



### 大散盘管 JUMBO COIL

● 应用领域/Applications

用于空调与制冷行业的热交换器及管路系统连接，电力行业。  
Heat Exchangers, Pipeline System Connections, Air Conditioning and Refrigeration Industry, Power Industry.

● 生产范围/Range

卷重 Roll weight : 300.00-1000.00 kg  
外径 Outside diameter :  $\phi$ 5.00-12.70 mm

● 牌号/ALLOY TP2、TU0、TU1、TU2、JT510



### 毛细铜管 CAPILLARY COPPER TUBE

● 应用领域/Applications

主要适用于空调、冰箱、冷柜、高精密度仪表等领域。  
Air Conditioning Systems, Refrigerators, Freezers, High-Precision Instruments.

● 生产范围/Range

外径 Outside diameter :  $\phi$ 0.50 -6.10mm  
内径 Inside diameter : 0.30-4.45mm

● 牌号/ALLOY TP2、TU0、TU1



### 塑覆铜管 PLASTIC-Coated COPPER TUBES

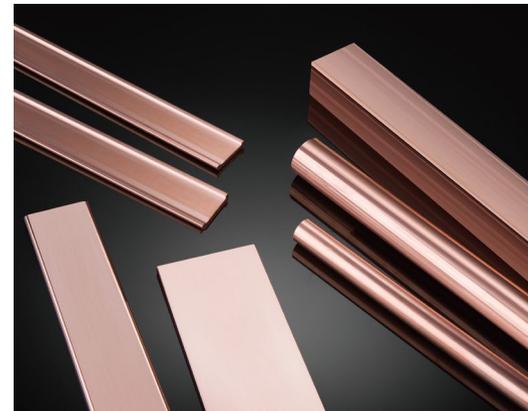
● 应用领域/Applications

主要适用于建筑给排水管道、冷热水管道。  
Building Plumbing and Drainage Tubes, Cold and Hot Water Tubes.

● 生产范围/Range

外径 Outside diameter :  $\phi$ 6.00-54.00mm  
平形环 Flat ring : 1.10-2.00mm  
齿形环 Toothed ring : 1.30-3.00mm

● 牌号/ALLOY TP2



### 无氧铜棒 OXYGEN FREE COPPER ROD

● 产品特点/Applications

无氧铜棒主要应用于高压真空灭弧室，是中高压电力开关的核心部件，也应用于半导体器件用陶瓷管壳和部分新能源汽车配件、可控硅等生产。  
Power Switches, Ceramic Tube Shells for Semiconductor Devices, Components for Some New Energy Vehicles.

● 生产范围/Range

直径 Diameter :  $\phi$ 8.00-200.00mm  
导电率 Electric conductivity :  $\geq$ 98%IACS

● 牌号/ALLOY TU0、T2、TU1



### 被覆铜管 PE INSULATION TUBE

● 应用领域/Applications

家用空调、中央空调、冷热水管等方面安装和维修。  
Installation and Maintenance of Air Conditioners, Central Air Conditioning Systems, and Hot and Cold Water Piping.

● 生产范围/Range

外径 Outside diameter :  $\Phi$ 6.35-22.23mm

● 牌号/ALLOY TP2、JT510



### 橡塑铜管 RUBBER INSULATION TUBE

● 应用领域/Applications

家用空调、中央空调、冷热水管等方面安装和维修。  
Installation and Maintenance of Air Conditioners, Central Air Conditioning Systems, and Hot and Cold Water Piping.

● 生产范围/Range

外径 Outside diameter :  $\Phi$ 6.35-22.23mm

● 牌号/ALLOY TP2、JT510



### 高强度铜锡合金管 JT510

HIGH STRENGTH JT510 COPPER PIPE

#### ● 产品特点/Features

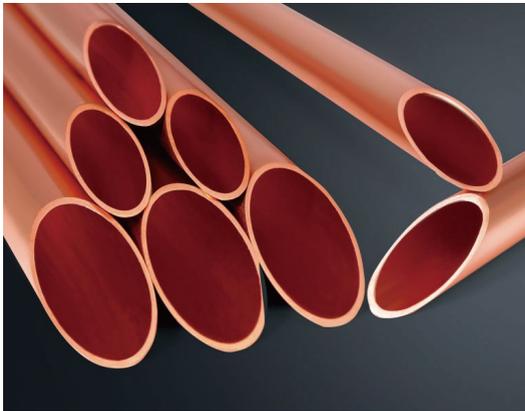
固溶强化和加工硬化特性，具备高强、高延和耐蚀性能特点。  
Solid solution strengthening and work hardening properties, with high strength, high elongation and corrosion resistance characteristics.

#### ● 应用领域/Applications

主要适用于空调制冷、热水器等领域，空调配管、连接管、管组件等。  
Air Conditioning, Refrigeration, Water Heater, Piping System, Connection Tubes and Tube Assemblies.

#### ● 生产范围/Range

壁厚 Wall thickness : 0.20-2.00mm  
外径 Outside diameter :  $\phi$ 3.00-30.00mm



### 高强度铜铁合金管 C1940

HIGH STRENGTH ALLOY TUBE C1940

#### ● 产品特点/Features

高强度、高抗蠕变性和抗疲劳性、高耐腐蚀性和优良焊接性。  
High strength, high creep resistance and fatigue resistance, high corrosion resistance and excellent weldability.

#### ● 应用领域/Applications

主要应用在商业制冷、移动空调、冷链运输、冷水机组、工业制冷等。  
Commercial Refrigeration, Mobile Air Conditioning, Cold Chain Transportation, Chilled Water Plants, Industrial Refrigeration.

#### ● 生产范围/Range

壁厚 Wall thickness : 0.50-3.00mm  
外径 Outside diameter :  $\phi$ 9.00-60.00mm



### 售后安装小盘铜管

SMALL COILS FOR AFTER SERVICE MARKETS

#### ● 应用领域/Applications

制冷、空调、暖通、换热风管机、油管、水管道和气管等方面安装和维修。  
Installation and Maintenance in Refrigeration, Air Conditioning, HVAC, Heat Exchanger Ducted Units, Oil Lines, Water Pipelines, and Gas Tubes.

#### ● 生产范围/Range

外径 Outside diameter :  $\Phi$  4.00-22.22mm  
盘重 Unit Weight : 50.00-55.00kg

#### ● 牌号/ALLOY TP2



### 导电用铜管-射频同轴电缆用的无缝铜管

COPPER TUBES FOR CONDUCTING ELECTRICITY  
SEAMLESS COPPER TUBE FOR RF COAXIAL CABLE

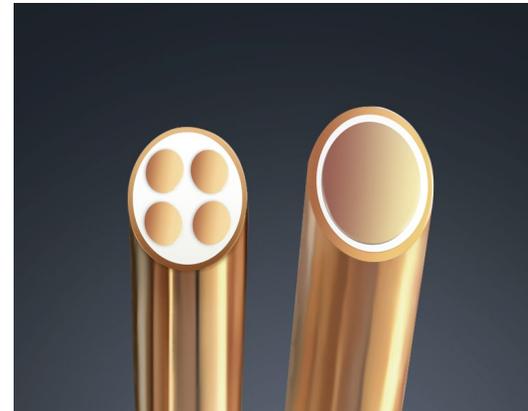
#### ● 应用领域/Applications

主要应用于移动通信、雷达设备、军事导航、射频组件连接、天线连接等领域。  
Mobile Communications, Radar Equipment, Military Navigation, RF Component Connectors, and Antenna Connections.

#### ● 生产范围/Range

外径 Outside diameter :  $\Phi$ 4.00-22.220mm  
导电率 Electric conductivity :  $\geq$ 100%IACS  
壁厚 Wall thickness : 0.18-2.00mm

#### ● 牌号/ALLOY T2, TU1, TU2, TU0



### 导电用铜管-矿物质防火电缆用无缝铜管

COPPER TUBES FOR CONDUCTING ELECTRICITY  
SEAMLESS COPPER TUBE FOR MINERAL FIREPROOF CABLES

#### ● 应用领域/Applications

主要应用于高层建筑、石油化工、机场、隧道、船舶、海上石油平台、航空航天、钢铁冶金、购物中心、停车场等重要场所。  
High-Rise Buildings, Petrochemical Industry, Airports, Tunnels, Marine Vessels, Offshore Oil Platforms, Aerospace Industry, Steel Metallurgy, Shopping Centers, and Parking Garages.

#### ● 生产范围/Range

外径 Outside diameter :  $\Phi$ 10.00-160.00mm  
导电率 Electric conductivity : 98%IACS  
壁厚 Wall thickness : 0.50-20.00mm

#### ● 牌号/ALLOY T2, TU1, TU2



### 导电用铜管-导电用无缝铜管

COPPER TUBES FOR CONDUCTING ELECTRICITY  
SEAMLESS COPPER TUBES FOR CONDUCTING ELECTRICITY

#### ● 应用领域/Applications

主要应用电炉、电机换向和端子等行业。  
Electric Furnaces, Motor Commutator, and Terminal Industries.

#### ● 生产范围/Range

外径 Outside diameter :  $\Phi$ 4.00-160.00mm  
导电率 Electric conductivity :  $\geq$ 98%IACS  
壁厚 Wall thickness : 0.18-20.00mm

#### ● 牌号/ALLOY T2, TU1, TU2, TU0

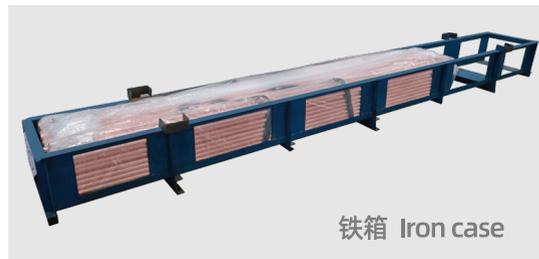
水平复绕盘管 LWC/IGT



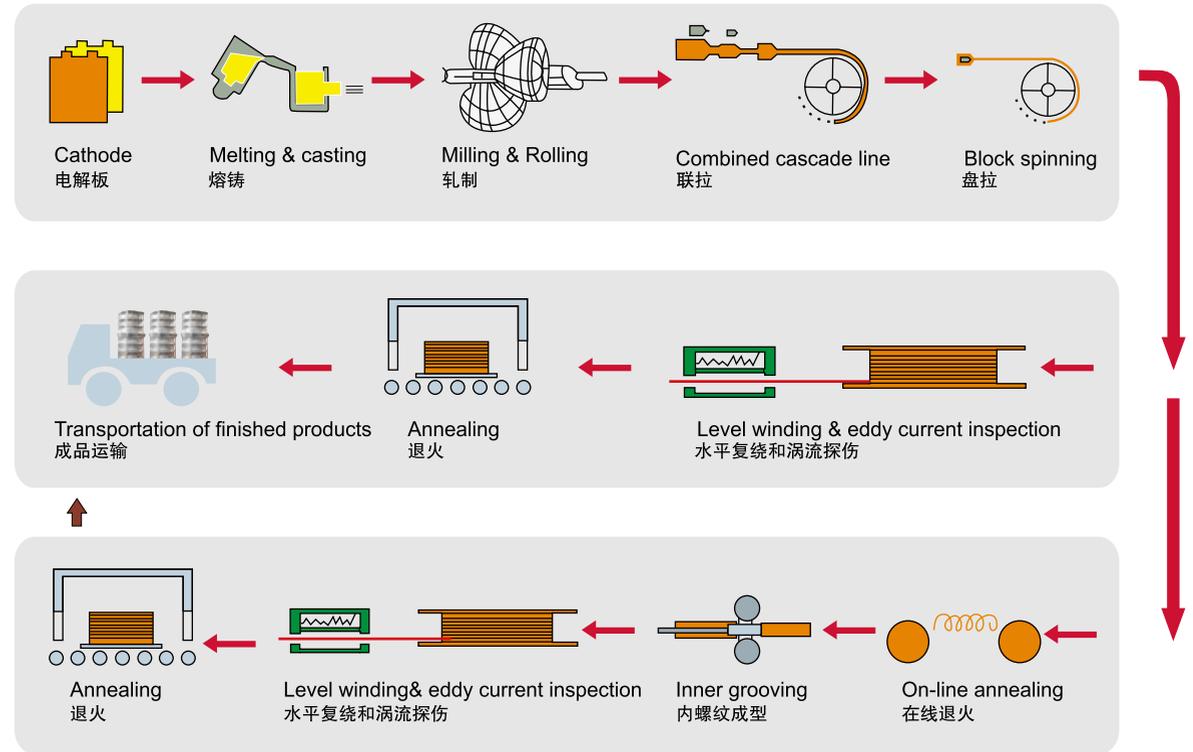
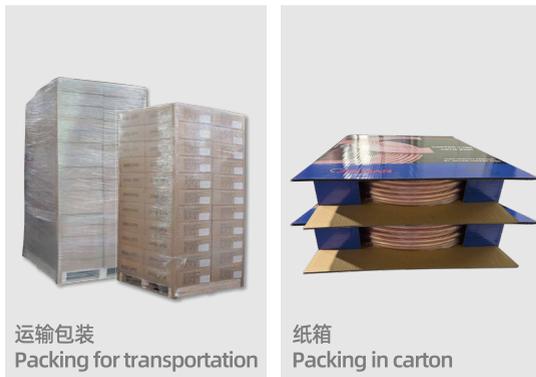
大散盘管 JUMBO COIL



直管 STRAIGHT TUBE



蚊香盘管 PANCAKE COIL



标准参考及化学成分 / STANDARD REFERENCE & MAIN CHEMICAL COMPOSITION

主要化学 Material	GB	ASTM	BSEN	JIS	主要化学成分 Main Chemical Composition (%)
纯铜 Pure Copper	T <sub>2</sub>	C11000	C101,C102	C1100	Cu+Ag≥99.90
磷铜 Phosphorus	TP <sub>1</sub>	C12000	--	C1201	Cu+Ag≥99.90 P:0.004~0.012
脱氧铜 Deoxidized Copper	TP <sub>2</sub>	C12200	C106	C1220	Cu+Ag≥99.90 P:0.015~0.040
无氧铜 Oxygen-free copper	TU0	--	--	--	Cu+Ag≥99.97
无氧铜 Oxygen-free copper	TU1	C10100	--	--	Cu+Ag≥99.97
无氧铜 Oxygen-free copper	TU2	C10200	--	C1020	Cu+Ag≥99.95

通过自动化升级和八大系统融合应用，建设数字化工厂，推进智能制造。

Through the automation upgrade and integration of the eight systems, the construction of digital factories and the promotion of intelligent manufacturing.

- CRM客户关系管理系统  
Customer Relationship Management System(CRM)
- ERP企业资源计划系统  
Enterprise Resource Planning(ERP)
- MES生产制造执行系统  
Manufacturing Execution System(MES)
- EMS能源管理系统  
Energy Management System(EMS)
- WMS仓储管理系统  
Warehouse Management System(WMS)
- RFID物料流转系统  
Radio Frequency Identification Logistics Flow System(RFID)
- QMS质量管理体系  
Quality Management System(QMS)
- SCADA数据采集与监视控制系统  
Supervisory Control and Data Acquisition(SCADA)



Horizontal ContinuousCasting Furnace



铣面机 Milling Machine



轧机 Rolling Machine



盘拉机 Block Spinning Machine



复绕机 Rewinding Machine



Inner-grooving Machine



大散盘复绕机 Jumbo Coil Rewinding Machine



蚊香盘成型机 Pancake Coiling Machine



退火炉 Annealing Furnace



智能仓库 Smart Warehouse



国家级企业技术中心 National-Level Enterprise Technology Center



直读光谱分析检测  
Direct-Reading Spectral Analysis



热交换铜管能效测试  
Energy Efficiency Testing of Heat Exchange Copper Tubes

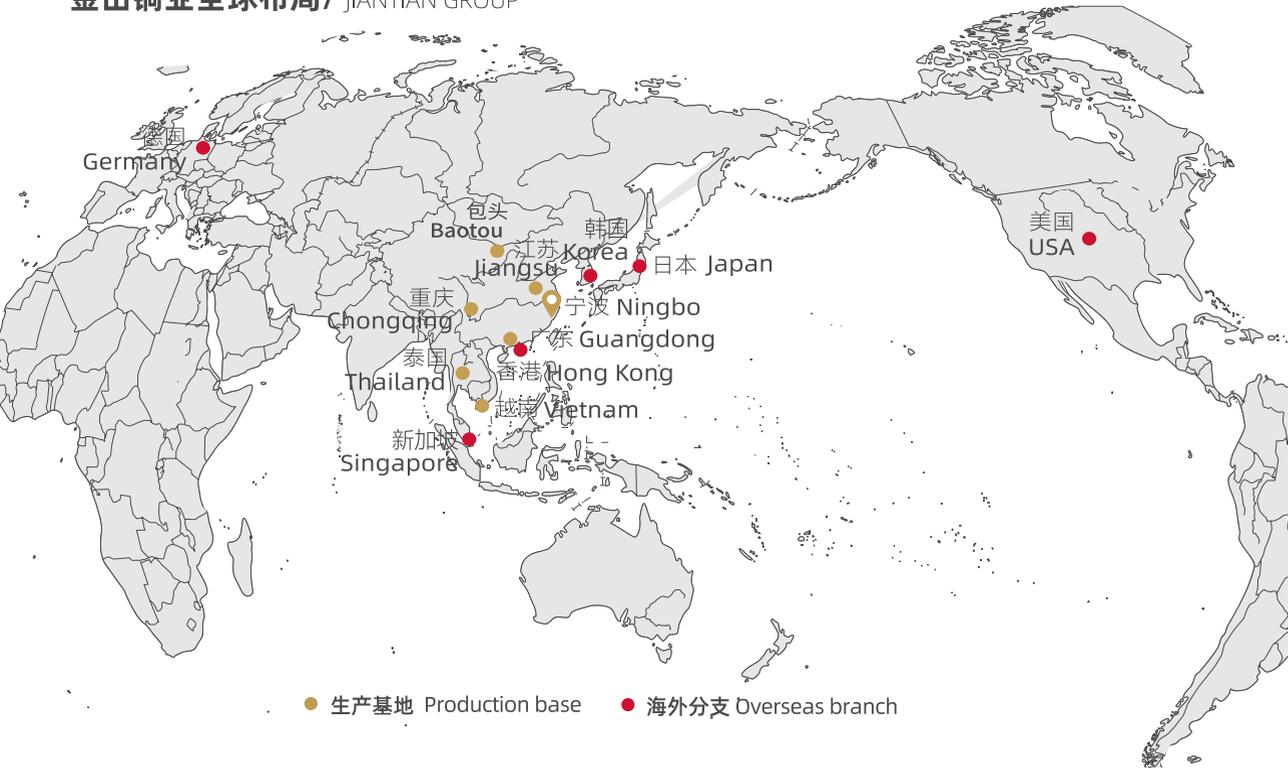


金相测试分析  
Metallographic Testing and Analysis

- 阴极铜元素分析  
Composition analysis for cathode copper
- 外表缺陷在线涡流探伤  
Eddy current test for detecting defect
- 终端产品性能测试  
Mechanics properties test for finished products
- 炉前成分分析  
High-speed analysis for copper liquid
- 晶粒度测试  
Grain size test for finished tube
- 高效热传导测试  
Defects test for heat transfer of high efficiency tube
- 铜管表面检查  
Smooth shell demension measurement
- 清洁度测试  
Cleanness determination for finished tube
- 能效实验项目  
Energy efficiency experiment project



金田铜业全球布局/ JIANTIAN GROUP



金田铜管全球布局/ JIANTIAN COPPER TUBE



部分战略合作伙伴/HONOR PARTNER



一站式全闭环低碳再生铜材料供应商

ONE-STOP & CLOSED LOOP LOW-CARBON RECYCLED COPPER SUPPLIER

- 再生铜原料保障  
Recycled Raw Material Guarantee
- 再生原料提纯  
Refinement of Recycled Raw Material
- 再生认证体系  
Recycled Certification System
- 绿色能源比例  
Proportion of Green Energy

**4 Bases**  
海外直采基地  
overseas sourcing

**35 Years**  
国际采购经验  
international sourcing

**30+ Years**  
再生铜提纯经验  
experience in recycled  
copper purifying process

**100,000 Tons/Year**  
高纯度再生铜年产量  
recycled copper production

**400,000 Tons/Year**  
再生铜年采购量  
procurement volume

**100+**  
全球战略合作伙伴  
long-term suppliers

**99.99%+**  
铜纯度  
copper purity

**SCS 100%**  
再生认证  
recycled certification

**500,000+m<sup>2</sup>**  
光伏总面积  
The total photovoltaic area

**50 MW**  
光伏电站装机容量  
The installed capacity of  
photovoltaic power

**50+ Million kWh**  
年光伏发电量  
The annual photovoltaic power generation

营造国际品牌 构筑百年企业

CREATE AN INTERNATIONAL BRAND, CONSTRUCT A CENTENARY ENTERPRISE

