打造世界一流的锡铟新材料及精深加工企业

To build a world-class tin and indium new material deep processing enterprise

云南锡业新材料有限公司

Yunnan Tin New Materials Limited Company

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氧化铟 Indium Oxide
焊锡球 Solder Balls
硫醇甲基锡 Methyl Tin Mercaptide
阻燃剂 Flame Retardant
焊锡膏 Solder Paste
四丁基锡 Tetrabutyl Tin
焊锡粉 Solder Powder
二丁基氧化锡 Dibutyltin Oxide

公司简介

Company Profile

云南锡业新材料有限公司是云南锡业集团(控股)有限责任公司控股、云南锡业股份有限公司参股的国有全资子公司，主要从事锡铟精深加工产品的生产、销售、研发、贸易业务，聚焦锡铟新材料高精尖产品研发和高质量市场技术服务，致力于打造全球最具竞争力的锡铟新材料和精深加工企业。公司设有锡材和锡化工两个产业板块，锡材板块拥有条、丝、粉、膏、型材、粒、球、半球等9大系列、1000余个规格品种产品，生产能力40000吨/年，锡化工板块拥有无机锡和有机锡2大系列、28个品种，生产能力26800吨/年。

锡材板块为国家级高新技术企业、首批绿色制造示范企业和云南省企业技术中心、创新型企业、清洁生产企业、质量标杆企业等；拥有国家博士后科研工作站、云南省电子锡焊料制备先进技术与应用工程研究中心、昆明市软钎焊料工程技术研究中心等创新平台。

锡化工板块为国家级高新技术企业、国家级专精特新“小巨人”企业、国家级知识产权优势企业、云南省军民融合企业、中国塑料加工工业协会阻燃材料及应用专委会理事单位，是绿色工厂、科技型企业、工业质量标杆。已建成的云南省锡化工工程技术研究中心，是云南锡业国家级企业技术中心和云南省锡新材料企业重点实验室的重要参与单位。

Yunnan Tin New Material Co., Ltd. is a wholly state-owned subsidiary of Yunnan Tin Group (Holding) Limited Liability Company and Yunnan Tin Industry Co. The company is mainly engaged in the production, sales, research and development, and trade of deep-processed tin and indium products, focusing on the research and development of high-precision tin and indium new materials and providing high-quality market technical, It is striving,to building the world's most competitive enterprise in the production of high-quality tin and indium materials as well as precision processing.The company has two industry sectors: tin materials and tin chemical industry. The tin material sector has 9 series of products with over 1000 specifications including bars, wires, powders, pastes, profiles, granules, balls, hemispheres etc., with an annual production capacity of 40,000 tons. The tin chemical industry sector includes 2 series with 28 varieties of inorganic tin and organic tin products with an annual production capacity of 26,800 tons.

The Tin Material Sector is recognized as a national high-tech enterprise; one of the first batch of green manufacturing demonstration enterprises; Yunnan provincial enterprise technology center; innovative enterprise; clean production enterprise; quality benchmarking enterprise etc. It owns a national post-doctoral research workstations, the Yunnan Province Advanced Technology and Application Engineering Research Center for Electronic Soldering Materials Preparation, and the Kunming City Engineering Technology Research Center for Soft Soldering Materials, among other innovative platforms.

The Tin Chemical Industry Sector is recognized as a national high-tech enterprise; a national "Little Giant" enterprise; a national intellectual property advantage enterprise; Yunnan military-civilian integration enterprise; director unit of China Plastics Processing Industry Association Flame Retardant Materials & Applications Special Committee etc. It is also known for being a green factory、technology-based company and the industrial quality benchmarking entity.

The established Yunnan Tin Chemical Engineering Technology Research Center is an important participant in both the National Enterprise Technology Center for Yunnan Tin Group and Key Laboratory for Tin New Materials Enterprises in Yunnan Province.

新材料公司总部

Headquarter of the New Materials Company.

锡化工公司

Tin Chemical Company

服务领域
Service Area

锡材产品专注于电子焊接材料领域，广泛应用于微光电显示、汽车电子、高铁及轨道交通、5G通信、物联网及穿戴、消费类电子、军工及航天、医疗器械、光伏行业等领域。

锡化工产品广泛应用于集成电子电镀、汽车电泳漆催化剂、液晶显示器、医药中间体、电子、低辐射玻璃、聚氨酯催化剂、建材、工程塑料、阻燃剂、食品添加剂、印染等领域。

Tin material products focus on the field of electronic soldering materials, and are widely used in micro optoelectronic display, automotive electronics, high-speed rail and rail transportation, 5G communication, Internet of Things and wearable devices, consumer electronics, military industry and aerospace, medical device, photovoltaic industry and other fields. Tin chemical products are widely used in integrated electronic electroplating, automotive electrophoretic paint catalysts, liquid crystal displays, pharmaceutical intermediates, electronics, low-radiation glass, polyurethane catalysts , building materials , engineering plastics , flame retardants , food additives , and dyeing.

电子电镀
Electronic Plating

医药中间体
Pharmaceutical Intermediate

汽车电子
Automotive Electronics

高铁/轨道交通
High-speed Rail/Rail Transit

医疗器械
Medical Device

消费电子
Consumer Electronics

建材
Building Materials

军工/航空航天
Defense Industry/Aerospace and Aviation

销售网点
Sales Network

公司立足国内、辐射全球，在国内上海、深圳、成都、武汉、苏州、佛山和境外香港及国外美国、德国均设有专业化营销机构和运营团队，产品销售实现国内全覆盖，远销国外欧美等多个国家和地区主要经济体。

The company is rooted in China and has a global presence. It has specialized marketing agencies and operational teams in Shanghai, Shenzhen, Chengdu, Wuhan, Suzhou, Foshan domestically, as well as in Hong Kong internationally and in the United States and Germany overseas. The sales of its products cover the entire domestic market and are also exported to major economies in Europe and America.

新材料公司产品国际市场占有率20%

其中:锡材产销量国内市场占有率为20%

锡化工产销量国内市场占有率为43%

产销量稳居国内同行之首

在锡新材料及精深加工领域处于国内领先地位

The market share of the new materials company's products in the international market is 20%.
Specifically, the domestic market share of tin material sales volume is 20%.
The domestic market share of tin chemical sales volume is 43%.
The sales volume has consistently ranked first among domestic counterparts.
The company holds a leading position in the domestic market in the field oftin new materials and deep processing.

注：未来产业布局图
Note: Future Industrial Layout Map

合作伙伴
Business Partners

美国 United States　欧洲 Europe　俄罗斯 Russia　日本 Japan　印度 India　越南 Vietnam　缅甸 Myanmar　泰国 Thailand　哈萨克斯坦 Kazakhstan　巴西 Brazil　澳大利亚 Australia

云南锡业新材料有限公司服务客户遍及全球
为全球合作伙伴提供锡铟新材料应用服务方案

Yunnan Tin New Materials Co., Ltd. provides global customer service, and offers tin indium new material application solutions to global partners.

研发与生产
R&D and Production

新材料公司研发中心，拥有博士学历4人、硕士学历98人。研发中心建立了锡合金、锡化学、锢材料、高纯材料、阻燃剂、焊片、分析测试、大数据8个专业化团队和业务单元。锡材组建了合金、BGA焊锡球、焊锡丝、焊锡膏、焊锡粉及分析测试6个研发团队，聚焦锡精深加工产品“卡脖子“技术的研究和打造“高技术、高附加值、高成长性”隐形冠军大单品;锡化工组建了辛基锡产品、钙锌稳定剂、丁基锡新产品、无机锡新产品、化学沉锡功能材料、甲基锡产品、分析检测7个研发团队。

The R&D center of the new materials company has 4 PhDs and 98 Masters. The R&D center has established eight specialized teams and business units, including tin alloy, tin chemistry, material encapsulation, high-purity materials, flame retardants, solder paste, analysis testing, and big data. The tin material division has formed six R&D teams for alloy, BGA solder balls, solder wire, solder paste, solder powder and analysis testing. It focuses on the research of critical technology in deep processing products of tin and the creation of "high-tech, high value-added and highly growth-oriented" hidden champion flagship products. The chemical tin division has set up seven R&D teams for octyl tin products, calcium zinc stabilizers, butyltin new products, inorganic tin new products, chemical deposition functional materials, methyltin productsand analysis detection.

公司通过了IS09001质量管理体系、IS014001环境管理体系、IS045001职业健康管理体系、IS050001能源管理体系、汽车电子IATF16949、国军标GJB9001C认证，建立了规范的管理体系，高效的生产流程，产品质量一致性、稳定性满足客戶要求。

The company has passed IS09001 quality management system certification, IS014001 environmental management system certification, IS045001 occupational health management system certification, IS050001 energy management system certification. It also obtained IATF16949 automotive electronics certificationand GJB9001C military standard certification. The company has established standardized management systems and efficient production processes to ensure product quality consistency.

技术与支持
Technology and Support

售前咨询
Pre-sales Consultation.
确定技术
参数要求
Determining the Technology
Parameter Requirements

应用分析
Application Analysis
分析测试技术团队
先进的检测分析设备
Analyzing and Testing Technology Team
Advanced Testing and Analyzing Equipment

应用方案
Application Solutions
非标
定制化方案解决
Non-standard
Customized Solutions

现场试样
On-site Sampling
应用场景现场实样
行业优秀技术团队
Application Scene On-site Samples
Industry Excellent Technical Team

批量生产
Mass Production
批量生产导入应用场景
全产业链保供
Batch Roduction Into the Plication of the Scene
Whole Industry Chain

售后服务
After-Sales Service
完善的技术服务体系
24小时专业团队支持
提供再生资源回收服务
Comprehensive technical service system
24/7 Professional Support Team
Recycling Services

76件
发明专利
76 Patents

23件
实用新型专利
23 Utility Models

28项
国家、行业标准
28 National and
Industry Standards

BGA 焊锡球
BGA Solder Balls

产品展示
Product Exhibition

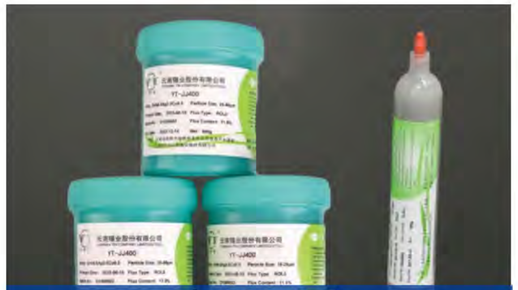
应用:芯片
Application:Chip

产品说明
Product Description

BGA焊锡球是球栅阵列封装(Ball Grid Array)用焊锡球的简称，用来代替芯片封装结构中的引脚，实现电性互连和机械连接。公司拥有国际先进的压电振动法生产工艺及国内首条全自动化生产线，保证生产产品质量稳定性和一致性，同时具有表面质量好、尺寸精度高，产品可靠性佳等诸多优点。可生产0.08mm-1.3mm范围内，118℃-350℃低温、中温、高温合金焊锡球，BGA焊锡球得到广泛应用，主要用于半导体BGA、CSP封装和激光焊接等。

BGA solder balls are referred to as Ball Grid Array (BGA) solder balls, used to replace the leads in chip packaging structures, achieving electrical interconnection and mechanical connection. The company possesses internationally advanced piezoelectric vibration production technology and the first fully automated production line in China, ensuring stable and consistent product quality. Additionally, the products feature excellent surface quality, high dimensional accuracy, and outstanding reliability. The company can produce solder balls in the range of 0.08mm to 1.3mm, with low, medium, and high-temperature alloys from 118℃ to 350℃. BGA solder balls are widely used, mainly in semiconductor BGA, CSP packaging, and laser welding.

焊锡膏
Solder Paste



产品展示
Product Exhibition

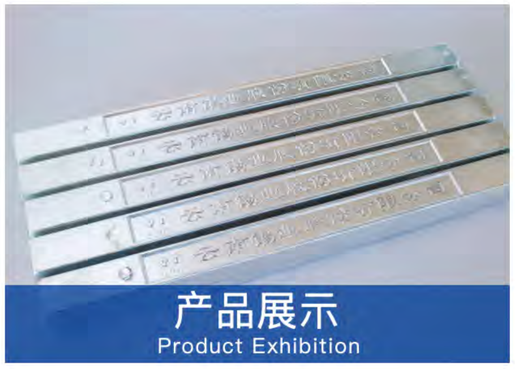
应用:集成电路
Application:Integrated Circuits

产品说明
Product Description

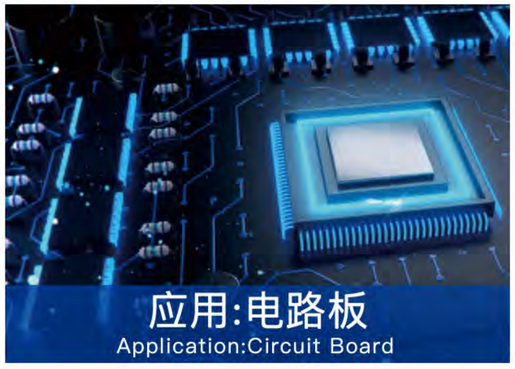
云锡焊锡膏采用国内首套焊锡自动灌装、称量、旋盖、打标贴标制备装备及工艺技术，通过云锡独特表面物理保护预处理焊锚合金粉及自主知识产权的多体系助焊剂配方混合而成，拥有BGA空洞低、QFN爬锚性好、焊后残留物少且可靠性高以及直通率高等技术优势。可生产有铅、无铅等10多种系列产品。主要应用于半导体芯片封装、5G通信领域、航空航天及汽车电子产品的精密焊接。

The solder paste of Yunnan Tin New Material Co., Ltd adopts the first domestic set of solder automatic filling, weighing, capping, labeling preparation equipment and process technology. It is made by mixing Yunnan Tin's uniquely pre-treated solder alloy powder with proprietary multi-system flux formulations, featuring low BGA voids, excellent QFN wicking, minimal post-soldering residue, high reliability, and high pass-through rates. The company produces more than 10 series of products, including leaded and lead-free options. These products are primarily used in semiconductor chip packaging, 5G communication fields, aerospace, and automotive electronics for precision soldering.

焊锡条
Solder Bar



产品展示
Product Exhibition



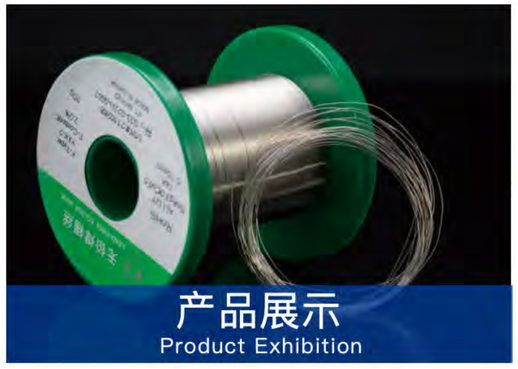
应用:电路板
Application:Circuit Board

产品说明
Product Description

焊锡条产品是目前使用最广泛的电子焊接材料和涂敷材料。云锡牌焊锡条产品纯度更高，杂质含量少，品质好;采用独有的熔体净化及抗氧化技术，满足波峰焊、高温浸焊、热风整平、光伏镀锚等细分领域的要求。焊锚条产品可焊性、流动性、抗氧化性等性能优异;产品成分满足国家标准、行业标准的要求，且公司采用更为严格内控标准，产品质量稳定可靠;拥有高温、中温、低温焊料合金，能覆盖各种应用场景的需求。主要应用于电子软钎焊料，满足主板、电子元器件、LED等电子产品的焊接需求。

Solder bar products are currently the most widely used electronic soldering and coating materials. Yunnan Tin brand solder bar products have higher purity, lower impurity content, and superior quality. They utilize unique melt purification and anti-oxidation technology, meeting the requirements of segmented fields such as wave soldering, high-temperature dip soldering, hot air leveling, and photovoltaic solder plating. The solder bar products exhibit excellent solderability, flowability, and oxidation resistance. The product composition meets national and industry standards, and the company employs stricter internal control standards, ensuring stable and reliable product quality. The products include high-temperature, medium-temperature, and low-temperature solder alloys, covering various application scenarios. They are mainly used in electronic soft soldering, meeting the soldering needs of motherboards, electronic components, LEDs, and other electronic products.

焊锡丝
Solder Wire



产品展示
Product Exhibition

产品应用:航空航天
Applications:Aerospace

产品说明
Product Description

YX9-2 系列:中、高活性有卤焊辗丝，具有优异的上锡、润溶性能，综合性能优异，点焊、拖焊，自动焊接均适用;

YXK-2系列:无卤免清洗型焊锡丝宽工艺窗口，活性适中，点焊、拖焊、自动焊接均适用，低残留，低飞斑，烟雾小;

YTG系列:专项研发的专用焊锡丝体系，宽工艺窗口，综合性能好，点焊、拖焊、自动焊接均适用，飞派低，残留少。主要应用于电子行业。通讯器材、消费电子、汽车电子等行业的手工络铁焊和自动机械焊，波峰焊等。

YX9-2 Series: Medium and high activity halogenated solder wire, featuring excellent soldering and wetting performance, with outstanding overall performance. Suitable for point soldering, drag soldering, and automatic soldering.

YXK-2 Series: Halogen-free, no-clean solder wire with a wide process window and moderate activity. Suitable for point soldering, drag soldering, and automatic soldering, with low residue, low spatter, and minimal smoke.

YTG Series: A specially developed solder wire system with a wide process window and good overall performance. Suitable for point soldering, drag soldering, and automatic soldering, with low spatter and minimal residue. Mainly used in the electronics industry for manual soldering and automatic mechanical soldering, such as wave soldering, in the fields of communication equipment, consumer electronics, and automotive electronics.

焊锡粉
Solder Powder

产品展示
Product Exhibition

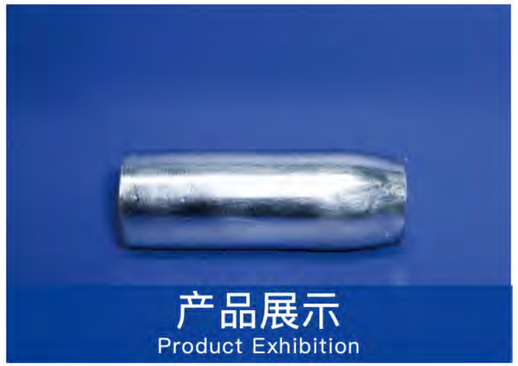
应用: LED照明
Application: LED Lighting

产品说明
Product Description

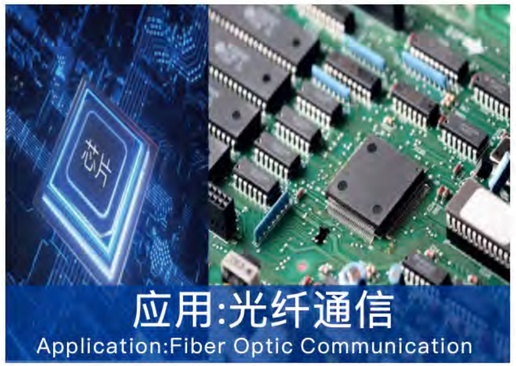
主要以锡为主要原料，通过添加不同比例的银、铜、铅、铋等金属配制成合金，然后经过雾化制粉技术、分选技术及表面处理技术等制作为不同粒径范围的粉末。其产品特点主要，粉体表面组织均匀细腻，具有致密且低氧的保护膜，与助焊膏具有较好匹配性及适应性。拥有自主可控的制粉技术，可根据客戶使用场合及运用订制各规格、型号的高品质球形焊锡粉，其具有低氧量、高球形、窄粒度、宽适配等技术优势。主要用于配置锡膏用于电子行业、通讯行业、航天航空行业等的集成电路精密焊接。

The primary raw material is tin, which is alloyed with varying proportions of silver, copper, lead, bismuth, and other metals. This alloy is then processed using atomization powder technology, sorting technology, and surface treatment technology to produce powders of different particle size ranges. The main characteristics of the product are a uniform and fine surface structure, a dense and low-oxygen protective film, and good compatibility and adaptability with solder paste.The new material company has independent and controllable powder making technology, and can customize high-quality spherical solder powder of various specifications and models according to customers' use occasions and applications, which has technical advantages such as low oxygen, high globular, narrow particle size and wide adaptation. It is mainly used for precision welding of integrated circuits in electronics industry, communication industry, aerospace industry, etc.

高纯铟
High Purity Indium



产品展示
Product Exhibition



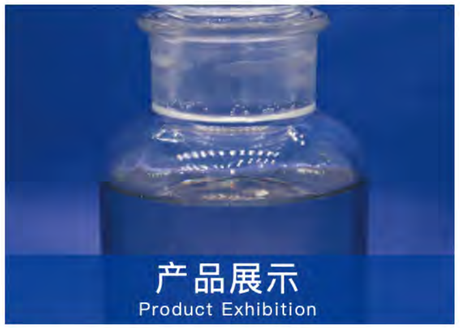
应用:光纤通信
Application:Fiber Optic Communication

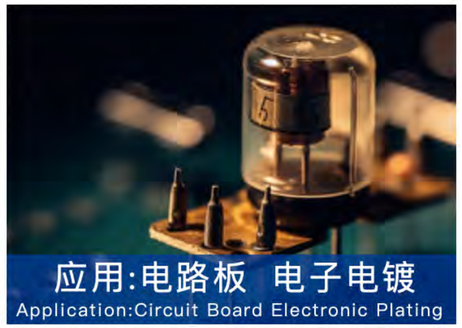
产品说明
Product Description

高纯铟银白色金属，质软，可塑性、延展性好。密度7.31g/cm^3，熔点156.2℃。主要用于制备高纯合金及磷化锅、锑化锅、砷化钢等半导体化合物、电子元件、合金材料、半导体材料、检测分析粘合剂的合成以及分子束外延（MBE）源的制备。广泛应用于发光二极管、光纤通信、激光器和光电集成电路等领域。高纯铟具有广泛的用途，主要应用于半导体、核能、医疗、超导、光学和电子等领域。

High-purity indium is a silvery-white metal with a soft texture, strong plasticity, and good ductility. It has a density of 7.31 g/cm^3 and a melting point of 156.2°C. It is primarily used to prepare high-purity alloys, phosphide tanks, antimony tanks, and arsenide steel, among other semiconductor compounds, electronic components, alloy materials, semiconductor material dopants, synthesis of detection and analysis adhesives, and as a source for molecular beam epitaxy (MBE). It is widely used in fields such as light-emitting diodes (LEDs), optical fiber communications, lasers, and optoelectronic integrated circuits. Additionally, it can be used in the biomedical field for manufacturing medical imaging materials, such as X-ray fluorescent screens and CT scanners.

甲基磺酸亚锡
Tin(II) Methane Sulfonate


产品展示
Product Exhibition


应用:电路板 电子电镀
Application:Circuit Board Electronic Plating

产品说明
Product Description

无色透明液体，广泛应用于电子元器件的电镀工艺，包括5G基站连接器电镀、PCB(刚性电路板)、FPC(柔性电路板)、连接器电镀及半导体电镀领域等。

Tin(II) methane sulfonate is a colorless transparent liquid, widely used in the electroplating process of electroplating process, including 5G base station connector electroplating, PCB(rigid circuit board), FPC(flexible circuit board), connector electroplating and semiconductor electroplating other fields.

硫酸亚锡
Stannous Sulfate

产品展示
Product Exhibition

应用:合金电镀/电池
Application:Alloy Plating/Batteries

产品说明
Product Description

白色结晶粉末，用于电镀、水泥降铬剂、铝型材氧化着色、蓄电池添加剂。印染工业媒染剂功能材料添加剂等。

Stannous sulfate is a white crystalline powder. Used for electroplating, cement lowering chromium agent, aluminum profile oxidation coloring, battery additive. Dyeing industry mordant functional material additives, etc.

硫醇甲基锡
Methyl Tin Mercaptide

产品展示
Product Exhibition

应用:PVC热稳定剂
Application:PVC Heat Stabilizer

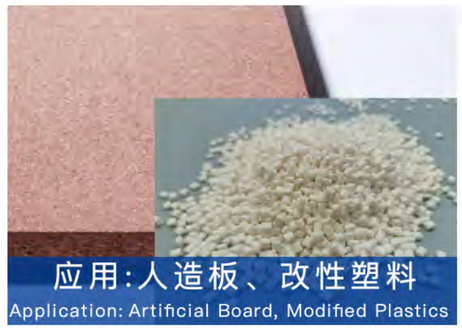
产品说明
Product Description

无色透明液体，产品水平处于世界领先地位，主要作为热稳定剂，适用于PVC加工的任何领域，包括薄膜、片材、粒料、建材、医疗器具等。

The product is a colorless transparent liquid, the product level is in the world's leading position, mainly as a heat stabilizer, suitable for any field of PVC processing, including film, sheet, particle, building materials, medical equipment and so on.

阻燃剂
Flame Retardants

产品展示
Product Exhibition

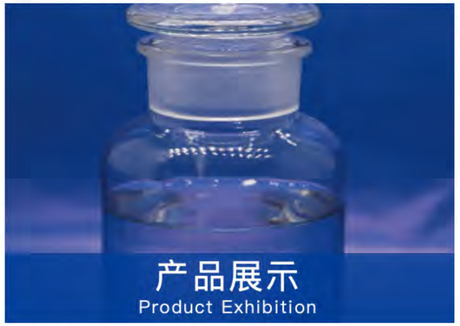

应用:人造板、改性塑料
Application: Artificial Board, Modified Plastics

产品说明
Product Description

阻燃剂产品由无卤阻燃剂及锡基协效复配而成，用于电器改性塑料外壳，汽车内外饰高分子材料以及建筑防火板材等应用。产品无卤环保，抑烟，促进成炭，可根据客戶应用需求定制阻燃方案。

Flame retardant products are synergistic compound formed by halogen-free flame retardant and tin-based, used in electrical modified plastic shell, automotive interior and exterior decoration polymer materials and building fire retardant panels and other applications. Products halogen-free environmental protection, smoke suppression, promote carbon, can be customized according to customer application needs flame retardant program.

四丁基锡
Tetrabutyl Tin



产品说明
Product Description

无色液体，四丁基锡是丁基锡产业链的关键原料，下游包括:玻璃涂层、医药中间体、聚氨酯催化剂等多个领域。

Tetrabutyl tin is a colorless liquid. Tetrabutyl tin is the key raw material of the butyltin industry chain, downstream including: glass coating, pharmaceutical intermediates, polyurethane catalysts and many other fields.

二丁基氧化锡
Dibutyltin Oxide

产品说明
Product Description

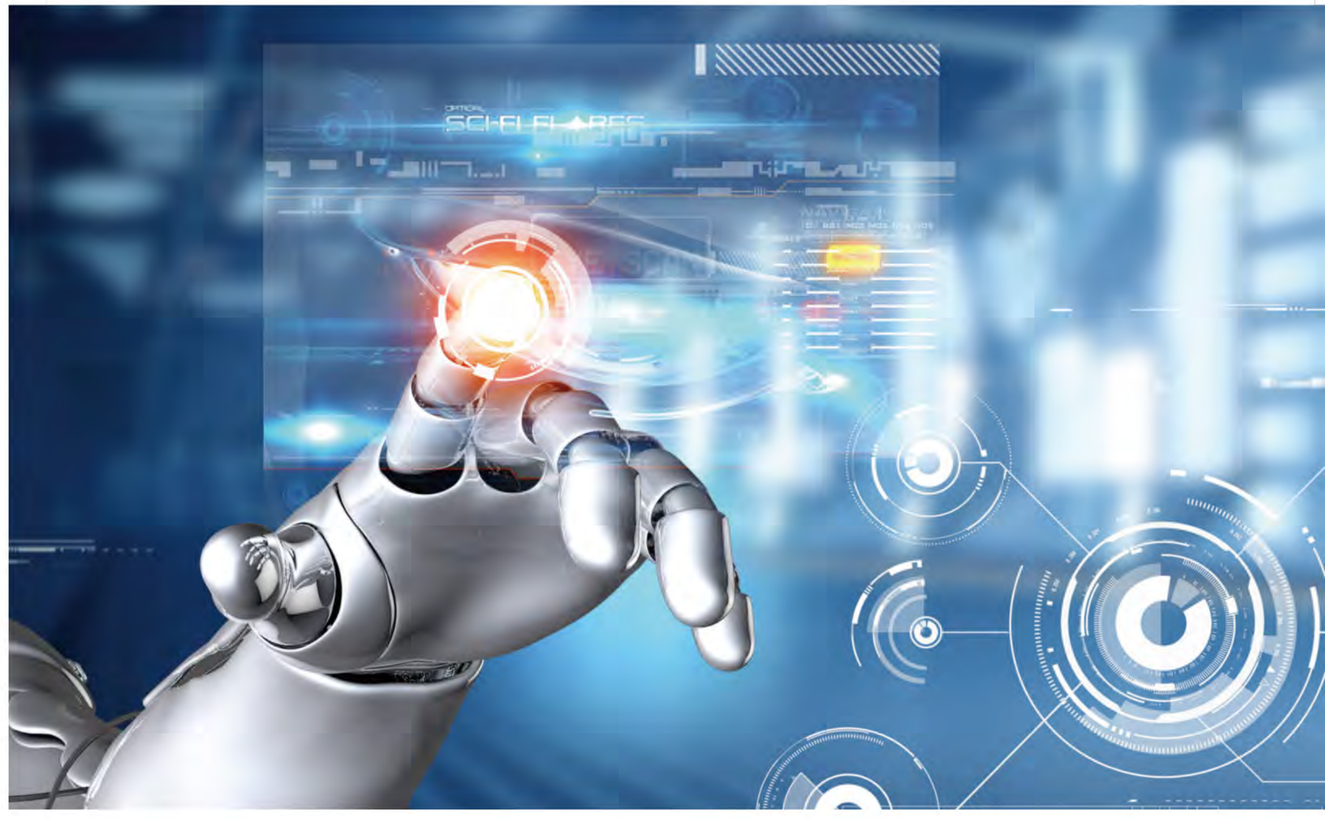
白色粉末，用于聚氨酯酯化反应、汽车电泳漆催化剂、三氯蔗糖合成催化剂等。

Dibutyltin oxide is a white powder. It is used in polyurethane esterification reaction, automotive electrophoretic paint catalyst, sucralose synthesis catalyst, etc.

定制生产 Customized Production

公司可根据客戶个性化需求，开展各类焊接材料、有机锡、无机锡、丁基锡、高纯铟、氧化铟和阻燃剂等多种产品及规格的研究、开发、试样及规模化生产。参与客戶设计开发，目前已成功为国内外多家知名企业提供定制化服务。具有采选冶深加工全产业链优势，稳定的保供能力、丰富的产品结构是行业内锡化工和焊料品种、规格最全的企业。

The company can meet customers' personalized needs by conducting research, development, sampling, and large-scale production of various welding materials, organic tin, inorganic tin, butyl tin, high-purity indium, indium oxide, flame retardants, and other products and specifications. By participating in customers' design and development processes, the company has successfully provided customized services to many well-known enterprises domestically and internationally. With advantages across the entire industry chain of mining, smelting, and deep processing, the company boasts stable supply capabilities and a rich product structure, making it the most comprehensive enterprise in the industry in terms of tin chemicals and solder varieties and specifications.



备忘录

Memorandum

中国锡铟材料供应保障的主力军

世界锡铟材料创新发展的引领者

The main force in ensuring the supply of tin and indium materials in China.
A leader in the innovative development of tin and indium materials worldwide.