



Chinaplas® 2023
 国际橡塑展

热塑性弹性体 及橡胶技术指南

THERMOPLASTIC ELASTOMERS & RUBBER TECH GUIDE

2023. 4. 17 - 20

中国 · 深圳国际会展中心（宝安新馆）
 Shenzhen World Exhibition & Convention
 Center (Bao'an New Venue), PR China



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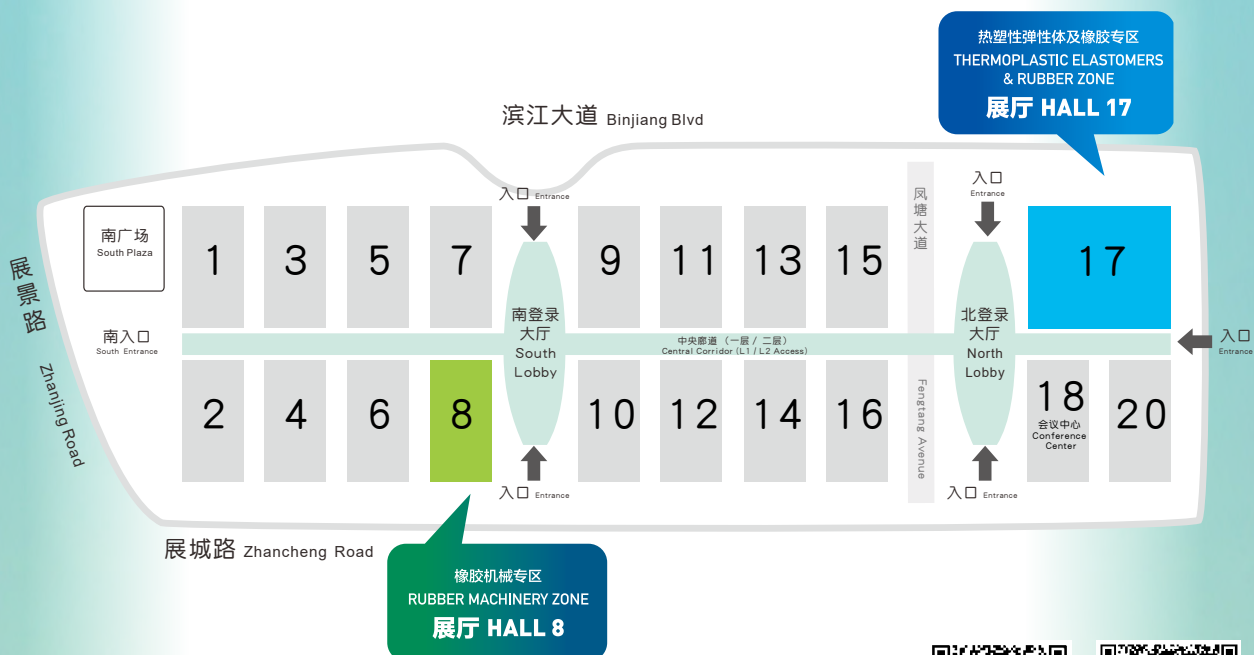
引言 INTRODUCTION

近年不同市场都在强调可持续发展，本是环保材料的新型热塑性弹性体 (TPE) 成为各应用行业的大势所趋，随著 TPE 的研发走向更多元化以及科技水平的发展，拥有高性能的 TPE 需求量不断增大，同时也促进了对此类弹性体的开发及应用。橡胶应用行业广泛，为不同产品不可或缺的配套之一。橡胶机械配合自动化及节能的功能能降低成本，满足各样产品需求，为各应用行业带来更多发展机会。让企业效率有所提高的同时，能生产高质量成品。

本届国际橡塑展的热塑性弹性体及橡胶专区与橡胶机械专区将携手带领海外及国内的领先供应商，为同业者提供创新的解决方案。本指南将重点展示广泛应用于各领域的橡胶机械、热塑性弹性体、硅橡胶和橡胶原材料的技术供应商。

Different markets have been emphasizing sustainable development in recent years. Thermoplastic Elastomers (TPE), an environmentally friendly material, have become the trend of various industrial applications. With TPE's more diversified development and technological advancement, the demand for TPE continues to increase. At the same time, it enhances the development and application of this kind of elastomer. Rubber is one of the indispensable parts of different products and it has been used in a wide range of industries. Rubber machinery with automated and energy-saving functions can reduce costs, and meet the needs of various products, thus, bringing opportunities for the application industries. Companies can improve efficiency while maintaining product quality.

Thermoplastic Elastomers and Rubber Zone and Rubber Machinery Zone will join hands to showcase the innovative solutions provided by suppliers globally. This Thermoplastic Elastomers and Rubber Tech Guide highlight the solution providers of rubber processing machinery, TPEs, silicone, and rubber materials for your easy sourcing.



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Scan to view 500+, suppliers' information



原材料
Raw Materials



机械
Machinery

精选技术及展品预览 EXHIBITS HIGHLIGHTS

原材料 RAW MATERIALS



医疗
Medical



包装
Packaging



建材
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婴童用品
Baby & Kids



汽车
Automotive



电子信息及电器
E&E, IT &
Telecommunication



体育及休闲
Sports &
Leisure



其他
Others

聚氨酯热塑性弹性体 TPU

隐形车衣主要原料就是热塑性聚氨酯薄膜(TPU)，具有超强的韧性，易粘贴，抗碰撞刮蹭，张贴后可使汽车漆面与空气隔绝，防酸雨、防氧化、抵抗划伤，使用脂肪族 TPU 能保证不变黄、持久保护汽车的漆面。

The car cover is mainly made of TPU, it has super toughness, easy to paste, anti-collision and anti-scratching. After installation, the car paint surface can be isolated from the air, achieving anti-acid rain, anti-oxidation, and anti-scratch. The aliphatic TPU can ensure no yellowing and long-lasting protection of the car's surface.



万华化学集团股份有限公司
WANHUA CHEMICAL GROUP CO., LTD.

展台号 Booth No. 17D41



用于生物制药管的硅胶系列 SILICONE ELASTOMER FOR BIOPHARMA TUBING

迈图的产品系列 Tufel 和 Addisil 产品，包含独特的可以用于生物制药工业的硅胶规格。它们被广泛应用于生物制药的一次性生物反应器中，用以生产生物制药管材。它们可以提供独特且优异的性能，同时在生物制药市场有长时间的成熟的应用。这是铂金硫化体系的固态硅胶，满足 ISO 10993 和 USP Class VI 的相关要求。它们独特的性能包括超低的压缩形变，极好的回弹性能，极低的挥发份，同时易于加工成型。此系列中还有一个创新的系列，可以用于超低温的环境中，在 -114 °C 的环境里依然保持其性能。这个系列可以为需要超低温的生物制药环节提供解决方案。

Momentive unique Biopharma HCR series with brand names Tufel and Addisil have been widely used in the Single Use System of the Bioreactor. It offers both distinctive features and mature stories from the Biopharma SUS industry. They are additional curing system HCR grades that meet ISO 10993 and USP Class VI standards. The distinctive features include an ultra-low compression set, excellent elastic memory, low volatile bases that minimize porosity, and a wide processing window. They are now being used in bio-SUS silicone tubes. Meanwhile, a very innovative grade that is resistant to ultra-low temperatures down to -114°C has been launched to meet the low-service required application scenarios in the biopharma industry.

迈图高新材料集团
MOMENTIVE PERFORMANCE MATERIALS INC.

展台号 Booth No. 17Q67



可持续发展的 TPE 产品线 AudiaFlex™ SUSTAINABLE TPE PRODUCT LINE AUDIAFLEX™

结合我们对可持续发展目标和创新愿景的承诺，AudiaFlex™ 产品线是以消费品回收、工业品回收、生物基和海洋基材料作为来源的可定制规格的 TPE 产品。

AudiaFlex™ 材料系列反映了大多数 TPE 新料的特性，并在触感、颜色、附着力和硬度方面提供了类似的性能。它们可以在个人护理、家用消费产品、消费电子产品、汽车和玩具等具有高性能需求的应用中与传统的 TPE、TPV 和 TPU 相媲美。

Combined with our commitment to sustainability and innovative vision, the AudiaFlex™ product line is comprised of customizable TPE grades produced from post-consumer, post-industrial, bio-based, and ocean-based sources.

AudiaFlex™ materials mirror the properties of most virgin TPEs and deliver comparable capabilities in terms of haptics, color, adhesion, and durometer. They can compete in high-performance applications with conventional TPEs, TPVs, and TPU chemistries in personal care, consumer household, consumer electronics, automotive, toys, and more.

奥星达弹性体(深圳)有限公司
AUDIA SUNSTAR ELASTOMERS CO., LTD.

展台号 Booth No. 17P81



AudiaFlex™

More Sustainable TPE Solutions



AUDIA ELASTOMERS
An AUDIA Company



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新品推出 - 汽车内饰 TPE，医疗应用 TPE 及 可回收 TPE
NEW LAUNCH : AUTOMOTIVE INTERIOR TPE, THERMOLAST® H & SUSTAINABLE TPE

凯柏胶宝® 新推出的汽车、医疗保健以及可持续发展的 TPE 系列具有以下特点：

1. 汽车内饰应用 TPE 提供光滑和高品质的表面。
2. 热塑宝 H 医用 TPE 符合多项国际食品接触和相关医疗标准。
3. 工业和消费品应用的可持续 TPE 包含高达 48%（取决于硬度）的消费后回收成分，适用于亚太市场多组分或单组分部件中需要 PP 包胶或单组分零件的应用。

Key features of the newly launched TPE series for automotive, medical & healthcare as well as sustainable TPE include:

1. Automotive interior - gives a smooth and high-quality surface
2. THERMOLAST® H (medical & healthcare) - complies with various global food contact and relevant medical standards
3. Sustainable TPE for Industry & Consumer - contains hardness-dependent post-consumer recycled content of up to 48% for a wide application range requiring adhesion to PP in multi-component or single-component parts in the Asia Pacific market."

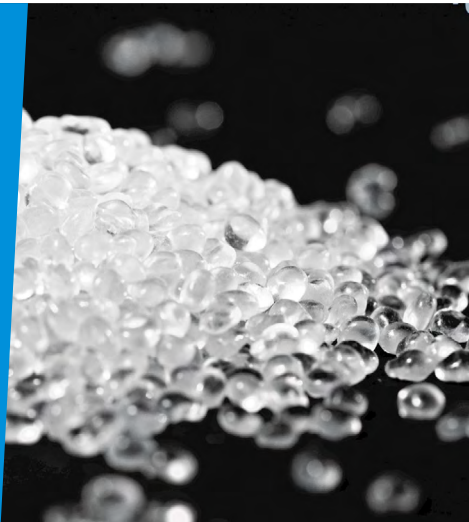
凯柏胶宝®
KRAIBURG TPE
展台号 Booth No. **17P73**



生物基 TPE 材料解决方案
BIO-CONTENT TPE SOLUTIONS

1. 热塑性弹性体应用最广泛的一种，主要分为 SEBS,SBS,SIS,SEPS,SSBR，具有良好的机械力学性能、耐老化性、优异的表面质感、良好的耐磨性，无毒、对环境友好等特点。
 2. 食品包装材料、医疗器械、软接触材料（如手柄、文具、玩具）、运动器材、密封条、日用品、汽车和消费类电子；卫材、双面胶带，标签；鞋材、塑胶改性、沥青改性等领域。
1. One of the most widely used TPES, mainly divided into SEBS, SBS, SIS, SEPS, and SSBR, has good mechanical properties, aging resistance, excellent surface texture, good wear resistance, non-toxic, ECO friendly, and other characteristics.
 2. Food package materials, medical devices, soft contact materials (such as handles, stationery, and toys), sports equipment, sealing strips, daily necessities, automobiles, and consumer electronics; Sanitary materials, double-sided tape, labels; Shoe materials, plastic modification, asphalt modification, and other fields.

顶塑实业（广东）有限公司
TOP POLYMER (GUANG DONG) INDUSTRIAL CO., LTD.
展台号 Booth No. **17P101**



Sil-TPE 重塑你的生活
SIL-TPE REINVENT YOUR LIFE - RECYCLABLE, SILKY, WITH EXCEPTIONAL AESTHETICS

硅橡胶与 TPE 的结合，形成独特的海岛结构，具有优异的表面性能，良好的加工性能，良好的化学稳定性，低 VOC，良好的耐磨性和抗划伤性，优良的耐候性和热稳定性，独特的审美特徵。

The combination of silicone rubber and thermoplastic elastomer (TPE) forms a unique sea-island structure with excellent surface properties, good processability, good chemical stability, low VOC, good wear resistance and scratch resistance, excellent weather resistance and heat resistance. It also gives an aesthetic quality to the products.

埃肯有机硅
ELKEM SILICONES
展台号 Booth No. **17P93**





医疗
Medical



包装
Packaging



建材
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婴童用品
Baby & Kids



汽车
Automotive



电子信息及电器
E&E, IT & Telecommunication



体育及休闲
Sports & Leisure



其他
Others

汽车用热塑性弹性体材料 TPE MATERIALS FOR AUTOMOBILE

汽车的内外饰均用到很多热塑性弹性体材料，但是对于材料的性能要求通常比较高，品质的稳定性要求也很高，苏州朗腾专注 TPE 生产 20 年，拥有较强的研发能力以及能够确保品质稳定的生产及品质体系，提供您更好性价比的汽车用弹性体材料。

Thermoplastic elastomer materials are used in the interior and exterior of automobiles where requirements for material performance and quality stability are high. Suzhou Long-term has been focusing on TPE production for 20 years with strong research and development capabilities. We can ensure a quality and stable production process with our system, bringing you a better choice of cost-effective automotive elastomer materials.



苏州市朗腾工贸有限公司 SUZHOU LONG-TERM MATERIALS SCIENCE CO., LTD.

展台号 Booth No. 17T67



热塑性聚氨酯发泡微球 ETPU

ETPU 是以热塑性聚氨酯 (TPU) 为基体，通过自主专利二氧化碳发泡技术制备，过程清洁环保。该发泡微球泡孔细小均匀，制品轻质省料，各项性能优异。具有高模量、高强度、高回弹、耐磨、耐化学品、耐水解等性能，而且无发泡剂残留，是一种优质的环保型新材料。

ETPU is based on thermoplastic polyurethane (TPU) and prepared by the patented carbon dioxide foaming technology. The process is clean and environmentally friendly. The foam microsphere has fine and uniform pores. It is lightweight and material-saving with excellent performance. With high modulus, high strength, high resilience, wear resistance, chemical resistance, hydrolysis resistance, and other properties, ETPU involves no foaming agent residue, it is a high-quality environment-friendly new material.

江苏中科聚合新材料产业技术研究院有限公司 JIANGSU SINO-TECH NEW MATERIAL INDUSTRY TECHNOLOGY RESEARCH INSTITUTE

展台号 Booth No. 14R35



液态硅橡胶、功能性液态硅橡胶 LIQUID SILICONE RUBBER, FUNCTIONAL LIQUID SILICONE RUBBER

主要产品：功能性液态硅橡胶（如自粘性、抗菌性、抗静电性、阻燃性、自润滑性、着色定制）功能性液态基胶，能为客户提供一站式应用解决方案，具有更高的稳定性和便捷性！广泛用于：3C 电子、医疗器械，电力、婴童、厨具、汽配等。

Main products include functional liquid silicone rubber (such as self-adhesive, antibacterial, antistatic, flame retardant, self-lubricating, and color customization). Functional liquid base glue can provide customers with one-stop application solutions, with higher stability and convenience! Widely used in 3C electronics, medical instruments, electric power, baby products, kitchenware, auto parts, etc.



东莞市圣力堡有机硅科技有限公司 DONGGUAN SHENGLIBAO SILICONE TECHNOLOGY CO., LTD.

展台号 Booth No. 17Q53



苯乙烯类嵌段共聚物弹性体
STYRENE-LIKE BLOCK COPOLYMER ELASTOMERS

1. 热塑性弹性体应用最广泛的一种，主要分为 SEBS, SBS, SIS, SEPS, SSB, 具有良好的机械力学性能、耐老化性、优异的表面质感、良好的耐磨性，无毒、对环境友好等特点。
 2. 食品包装材料、医疗器械、软接触材料（如手柄、文具、玩具）、运动器材、密封条、日用品、汽车和消费类电子；卫材、双面胶带，标签；鞋材、塑胶改性、沥青改性等领域。
1. One of the most widely used TPEs, mainly divided into SEBS, SBS, SIS, SEPS, and SSB with good mechanical properties, aging resistance, excellent surface texture, and good wear resistance. It is also non-toxic and eco-friendly.
 2. Food package materials, medical devices, soft contact materials (such as handles, stationery, and toys), sports equipment, sealing strips, daily necessities, automobiles, and consumer electronics; sanitary materials, double-sided tape, labels; shoe materials, plastic modification, asphalt modification, and other fields.

南京海旗新材料科技有限公司
NANJING HAIQI NEW MATERIAL TECHNOLOGY CO., LTD.

展台号 Booth No. 17Q47



电子保护套 / 线缆 / 涂塑水带 / 鞋材
ELECTRONIC PROTECTIVESLEEVE/ CABLE/ PLASTIC COATED HOSE/ SHOE MATERIALS

TPU 名称为热塑性聚氨酯弹性体橡胶。TPU 已广泛应用于医疗卫生、电子电器、工业及体育等方面，其具有其它塑胶材料所无法比拟的强度高、韧性好、耐磨、耐寒、耐油、耐水、耐老化、耐气候等特性，同时它具有高防水性透湿性、防风、防寒、抗菌、防霉、保暖、抗紫外线以及能量释放等许多优异的功能。

TPU (thermoplastic polyurethane) is a highly versatile elastomer. It has been widely used in the markets of medical and health, electronic appliances, industry, sports, etc. It has incomparable characteristics of high strength, good toughness, wear resistance, cold resistance, oil resistance, water resistance, aging resistance, weather resistance, and much more.

上海汇得科技股份有限公司
SHANGHAI HUIDE SCIENCE AND TECHNOLOGY CO., LTD.

展台号 Booth No. 17R93



TPE 无溶剂型皮革材料
THERMO PLASTIC ELASTOMER SOLVENT-FREE LEATHER MATERIAL

科信高分子 TPE 皮革材料，主要以 SEBS、PP 等为原材料，通过特殊工艺生产，为一种无溶剂型皮革材料，主要应用于鞋材革、医疗革、家具革、汽车革等革制品行业，主要优点为：

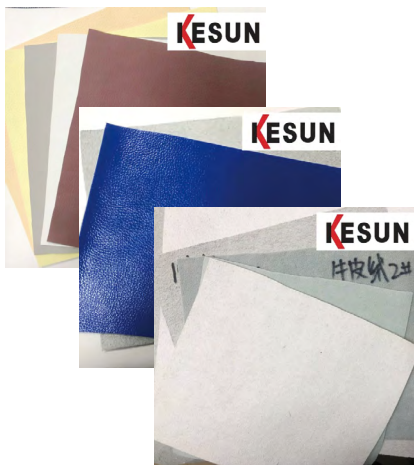
1. 无毒、低 VOC，生产过程中人及环境不造成污染
2. 加工工艺简单（压延工艺）
3. 料易于回收利用
4. 耐水解、耐老化可达 5-10 年

Kesun polymer TPE leather material is solvent-free, mainly made of SEBS, PP, and other raw materials. It is commonly used in shoe leather, medical leather, furniture leather, automobile leather, and other leather products industries through special processes. Advantages include:

1. Non-toxic, low VOC, no pollution
2. Simple processing technology (calender)
3. The material is easy to recycle
4. Hydrolysis resistance and aging resistance up to 5-10 years

昆山科信高分子材料有限公司
KUNSHAN KESUN POLYMER CO., LTD.

展台号 Booth No. 16F11





医疗
Medical



包装
Packaging



建材
Building &
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婴童用品
Baby & Kids



汽车
Automotive



电子信息及电器
E&E, IT &
Telecommunication



体育及休闲
Sports &
Leisure



其他
Others

TPE 玩具料 TPE FOR TOYS

合诚改性用的玩具类 TPE 安全无毒，易着色，手感爽滑柔软，硬度范围 0A-120A，加工成型简单，不需要硫化加工，可以循环再生利用，具有接近皮肤的手感和软硬度。具有比较好的拉伸伸长性，触感柔软舒适，因为是与人体与肌肤相接触，必须还是无毒无臭味，对人体皮肤无过敏或副作用。

The TPE for toys compounded by Hosea is safe and non-toxic, easy to color, smooth and soft to handle. With hardness range from 0A-120A, it offers simple processing and molding. No vulcanization processing is needed and it is recyclable. The product also promises a hand feeling and softness close to the skin.

合诚技术股份有限公司
HONSEA CHEMISTRY CO., LTD.

展台号 Booth No. 17J87



硅基热塑性弹性体 SI-TPV

SI-TPV 是成都思立可科技有限公司研发的一种获得专利的硅基热塑性弹性体。这种有机硅弹性体材料是通过特殊兼容技术和动态硫化技术将充分硫化的有机硅橡胶以 1-3um 微粒均匀分散在 TPU 中，形成特殊的海岛结构，从而解决了 TPU 与有机硅不相容的难题，使得这款热塑性弹性体性能远优于普通热塑性硫化橡胶 (TPV) 或其他热塑性弹性体，兼具硅橡胶低硬度、耐高低温性、耐化学品性、高回弹性和 TPU 突出的机械强度、良好生物相容性等一系列优势性能，可与许多热塑性工程塑料如 PC、ABS、PVC 等共挤或双色注塑成型，广泛应用于智慧手表带、手环、手机壳、线材、包胶、模拟皮革等多个领域，赋予制品良好的包裹性和高体感亲肤性，并且这块弹性体材料无需额外添加软化油，从源头上彻底解决析出问题。

SILIKE Si-TPV is a patented dynamic vulcanized thermoplastic silicone-based elastomer made by special compatible technology and dynamic vulcanized technology to help silicone rubber dispersed in TPU evenly as 2-3 micron particles under the microscope and forms a special island structure that solves the problem of TPU and silicone incompatibility. Its performance is far better than common thermoplastic vulcanizate (TPV) or other thermoplastic elastomers, with a low hardness of silicone rubber, high and low-temperature resistance, chemical resistance, high resilience, and TPU outstanding mechanical strength, good biocompatibility, etc. It can be co-extruded with many thermoplastic engineering plastics like PC, ABS, PVC, and double-color injection molding. It is widely used in many fields such as smart watch bands, wristbands, phone cases, wires, plastic wraps, and so on. It gives a good coating and high body feeling performance, and it requires no softening oil, thus solving the precipitation problems at the root.

成都思立可科技有限公司
CHENGDU SILIKE TECHNOLOGY CO., LTD

展台号 Booth No. 17Q81





**会通热塑性弹性体材料
ORINKO THERMOPLASTIC ELASTOMER MATERIALS**

会通热塑性弹性体是以高弹橡胶和热塑性树脂为基材，通过自主研发的超分散技术、动态硫化技术和有机相容技术制备而成。会通热塑性弹性体广泛应用于汽车、家电、儿童玩具、脚轮、电动工具、建筑密封、运动器械、医疗用品、消费电子及日常生活用品等领域及相关产品。会通热塑性弹性体材料具有回圈再生、微发泡、低压缩形变、高拉力、丝滑触感、高耐磨、低 VOC、低气味、高透明等材料特点。

Orinko thermoplastic elastomer is widely used in automobiles, household appliances, children's toys, casters, electric tools, building seals, sports equipment, medical supplies, consumer electronics, and daily necessities and related products. Orinko thermoplastic elastomer is made of high-elastic rubber and thermoplastic resin through self-developed hyper dispersion technology, dynamic vulcanization technology, and organic compatibility technology. Orinko thermoplastic elastomer material has the characteristics of recycling, micro foaming, low-pressure shrinkage deformation, high tensile force, silky touch, high wear resistance, low VOC, low odor, high transparency, and so on.

**会通新材料股份有限公司
ORINKO ADVANCED PLASTICS CO., LTD.**

展台号 Booth No. **17A71**



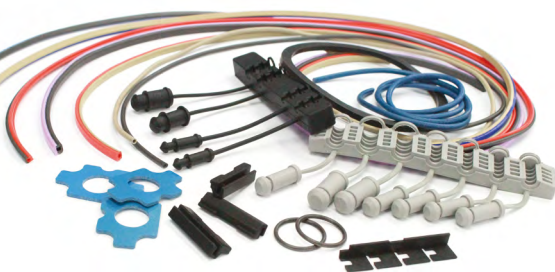
**导电橡胶
ELECTRICALLY CONDUCTIVE ELASTOMER**

导电弹性体，是以硅（橡）胶为基材，利用粘合剂，填充纯银、铜镀银、铝镀银、镍镀银、玻璃镀银、石墨镀银、石墨镀镍或石墨颗粒而成，它具有理想的屏蔽遮罩功能，适用于各种场合，既可作为 EMI 遮罩也可以用作环境密封使用。

A conductive rubber strip with rubber material based, bond with different customized silver material and graphite material. An ideal product for EMI shielding use in varies of environments, it also fits for sealing function.

**深圳市飞荣达科技股份有限公司
SHENZHEN FRD SCIENCE & TECHNOLOGY CO., LTD.**

展台号 Booth No. **16Q81**



**氟橡胶预混胶
FKM PRECOMPOUND**

双酚硫化，过氧化物硫化型

应用范围：

- | | | |
|------------|------------|----------|
| 1. O 型圈及垫片 | 2. 金属粘接油封用 | 3. 挤出胶管用 |
| 4. 高氟要求用 | 5. 耐低温环境用 | |

Bisphenol AF, Peroxide curing system

Applications:

- | | | |
|--------------------------|-------------------------------|-------------------|
| 1. Oring and gasket | 2. Bonded seal | 3. Extrusion hose |
| 4. High fluorine content | 5. Low temperature resistance | |

**四川道弘新材料有限公司
SICHUAN DOWHON INDUSTRIAL CO., LTD.**

展台号 Booth No. **17Q91**



精选技术及展品预览
EXHIBITS HIGHLIGHTS
机械 MACHINERY



医疗
Medical



包装
Packaging



建材
Building &
Construction



婴童用品
Baby & Kids



汽车
Automotive



电子信息及电器
E&E, IT &
Telecommunication



体育及休闲
Sports &
Leisure



其他
Others



小型高精度注射机
C-FRAME INJECTION MACHINE

模块化设计，多种备选射台、多种控制方法及备选取件装置，满足 EPDM、TPE、LSR 等材料的精密成型工艺，并且可选超高压注射用于成型一些如 FKM、AEM 材料的特殊制品。

Modular design with multiple option and injection unit, control methods, and part demoulding devices can meet the precision molding process of EPDM, TPE, LSR, and other materials. Optional ultra-high pressure injection system is also available for molding special products using FKM and AEM.

广东伊之密精密橡塑装备科技有限公司
YIZUMI RUBBER MACHINERY CO., LTD.

展台号 Booth No. 8F21



单头固液两用射出成型机
SINGLE-HEAD SOLID-LIQUID INJECTION MOLDING MACHINE

1. 控制系统采用奥地利 KEBA 高速高精度电脑，高速扫描时间 2ms，有便捷的操作、强大性能的硬体和面向未来的软件平台；
2. 动力系统全系列标配精密省电液压系统，系统只在需要时做功，具有极其优异的超节能效果（省水、省电、省油），最高省电可达 80%，经济效益极佳；
3. 油路系统特殊设计，无震动，稳定性好，出入模、上升下降速度快，简化液态硅胶模具，节省生产成本；
4. 一机多用途，可以做两台液态硅胶机，也可以做两台平板模压机，还可以做一台双色机使用。

1. The control system adopts an Austrian KEBA high-speed precision computer, a high-speed scanning time of 2ms, with convenient operation, powerful performance hardware, and a future-oriented software platform;
2. The whole series of power systems is equipped with a precision power-saving hydraulic system, the system only does work when needed, with extremely excellent ultra-energy-saving effect (saving water, electricity, and oil), the highest power saving of up to 80%, excellent economic benefits;
3. Oil circuit system with special design, no vibration, good stability, fast for in-out mold, up-down speed, simplify the liquid silicone mold, save production costs;
4. One machine with multiple uses. It can be used as two liquid silicone machines, two plate molding machines, and a two-color machine.

深圳市新动力机械有限公司
SHENZHEN SHI XINJINLI MACHINERY CO., LTD.

展台号 Booth No. 8H21



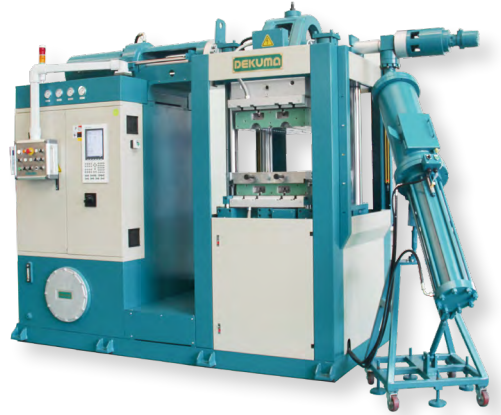
三元乙丙橡膠制品，天然橡膠或氟橡膠制品
EPDM, NR OR FLUOR RUBBER

德科摩將亮相三款最新技術的橡膠注射機：

1. 高精度接角機 RC40Se，超高精度注射量，重複注射精度最高可達 0.02 克。
2. 新一代立式注射機 RV50，現場展示高品質橡膠骨架油封生產過程，並配合全自動生產線。
3. 公司最新研發的新型電力絕緣子注射機 RA650，人性化低平台設計，操作方便，性能穩定。

DEKUMA will unveil three new rubber injection machines with the latest technology:

1. High-precision rubber injection machine RC40Se for the corner joint & encapsulation, ultra-precision injection volume, repeated injection accuracy up to 0.02 grams.
2. The new generation of vertical injection machine RV50, the production process of high-quality rubber skeleton oil seal will be displayed on site.
3. The newly developed insulator injection machine RA650 has a user-friendly low platform design, easy operation, and stable performance.



德科摩橡膠科技（東莞）有限公司
DEKUMA RUBBER AND PLASTIC TECHNOLOGY (DONGGUAN) LTD.

展台號 Booth No. **8J21**



200ton 立式橡膠注射成型機
200TON VERTICAL RUBBER INJECTION MACHINE

HYZ-200A，立式橡膠注射機，四柱結構帶伸縮式噴嘴，後進先出或者先進先出式注射，無漏料、溢料現象，易維護結構，多相注射速度和壓力設定，適應各種模俱生產需要。熱板溫度公差在 2 度以內，注射控溫偏差 1 度以內，PLC PID 溫度校準；注射量 2000ccm，重複注射精度少於 0.2 克。

HWAYI Rubber Injection Machine HYZ-200A, vertical close four-column structure with retractable nozzle, LIFO or FIFO injection, no material leakage, overflow phenomenon, easy maintenance structure, multi-phase injection speed and pressure setting to meet the needs of various molds. Platen temperature control deviation within 2 degrees, injection temp. control deviation with 1 degree, PLC PID temperature correction; Injection volume is 2000ccm, and the repeat injection accuracy is less than 0.2g.

衡陽華意機械有限公司
HENGYANG HUAYI MACHINERY CO., LTD.

展台號 Booth No. **8L11**





医疗
Medical



包装
Packaging



建材
Building &
Construction



婴童用品
Baby & Kids



汽车
Automotive



电子信息及电器
E&E, IT &
Telecommunication



体育及休闲
Sports &
Leisure



其他
Others



1. 双螺杆挤出压片机 2. 橡胶四辊压延机 1. TWIN-SCREW EXTRUSION PRESS 2. FOUR ROLLS CALENDAR

双螺杆挤出压片机是集橡胶塑炼和压片出片为一体的橡胶制品生产设备，产品可在生产工艺中替代传统开炼机，实现省工、节能、安全高效的用途，可应用于橡胶制品（轮胎、密封件、汽配件、电器绝缘件及鞋材鞋底等）。

Twin-screw extrusion press is a rubber plasticizing and extrusion sheet as one of the rubber products production equipment, the product can replace the traditional open smelting machine in the production process that makes it more labor and energy efficient, effective and safe to use. It can be applied in a broad range of rubber products such as tires, seals, auto parts, electrical insulation parts, shoe soles, etc.

泉州誉城盛机械有限公司

QUANZHOU YUCHENGSHENG RUBBER MACHINERY CO., LTD.

展台号 Booth No. **8B01**



三组分液态硅胶奶嘴智慧化制造系统 AUTOMATION MANUFACTURING SYSTEM FOR LSR 3K FEEDING NIPPLES

三组分液态硅胶奶嘴智慧化制造系统：

1. 三组分、液态硅胶双硬度 P+R+R 成型技术；
2. 互联网 + 自动化系统，实现使用者与自动化互动；
3. 工业 4.0，同一系统生产不同组合产品；
4. Class7 级全自动吸塑包装系统，消除污染，洁净无忧；
5. MeHow 独创转模、转芯自动切换双色机转盘首秀。

Automation Manufacturing System for LSR 3K Feeding Nipples:

1. Plastic + LSR + LSR 3K LSR with dual different shores.
2. Automation systems and internet bring users within reach of the automated and interconnected production.
3. Industry 4.0. facilities the production of various parts combinations under the same automation system.
4. Class 7 automated blister packaging system. NO pollution risk.
5. Debut of the Core rotation system mode and injection plate rotation system.



深圳市美好创亿医疗科技股份有限公司
MEHOW INNOVATIVE LTD.

展台号 Booth No. **11A01**



立式液态硅胶注射成型机
VERTICAL LSR INJECTION MOLDING MACHINE

立式机将模具竖直方向开合，适用于硅胶包镶件的包胶产品生产。可选用不同规格炮筒做不同产品，最小可搭配 10g 炮筒做精密微量注射。以下是产品特点：

1. 体积式定量缸实现 A、B 胶 1:1 精确送料。
2. 天沅专利精密数控色浆泵，精度 0.01g，实现颜色持续稳定。
3. 动态混合螺杆混色混料更快更混匀，与炮筒直连，更省料。
4. 自主研发直压式炮筒，注胶精度高，注胶快，稳定性好，清洗方便。
5. 整机一体式设计，一个 PC 操控面板，精准稳定、操作方便。

Vertical LSR injection molding machine closes the mold downward which is more suitable for the production of silicone coated inserts. Different specifications of barrel can be selected for different products, and the minimum can be matched with 10g barrels for precise microinjection. Characteristics of the product as follows:

1. The volume type of quantitative cylinder realizes 1:1 accurate feeding of glue A and B.
2. TYM color slurry pump, with an accuracy of 0.01g, to achieve color stability.
3. Dynamic mixer to mix the material and color more thoroughly. It connects with the barrel directly and save more materials.
4. The independently-researched direct pressure injection barrel offers high precision, high-speed injection, high stability and it is also easy to clean.
5. Professional integration design of our LSR machine with one PC control panel. Easy to operate, gives high precision and stability.



广州天沅硅胶机械科技有限公司
GUANGZHOU TIANYUAN SILICONE MACHINE TECHNOLOGY CO., LTD.

展台号 Booth No. **8J01**

CRI 立式橡胶注射成型机系列
CRI SERIES RUBBER INJECTION MOLDING MACHINE

CRI 立式橡胶注射成型机是一种先进的橡胶制品热压成型设备，结构紧凑、适用性广，效率高，成品率高。适用于复杂橡胶制品的高压高速注射硫化成型，尤其适合生产形状复杂、不易成型、不易排气等成型难度较高的橡胶模型制品。

CRI Series Vertical Rubber Injection Molding Machine is a kind of advanced rubber products press, with a compact structure, wide applicability, high efficiency, and high yield. Suitable for complex rubber vulcanization molding, high pressure, and high-speed injection, especially suitable for the production of products which are with complex shape, not easy to shape or not easy to exhaust.

宁波千普机械制造有限公司
NINGBO CHAP MACHINERY MANUFACTURE CO., LTD.

展台号 Booth No. **8C15**



全进全出立式橡胶注射机
VERTICAL RUBBER INJECTION MOLDING MACHINE

全进全出注射结构，无射嘴料筒过液体，无止逆阀，无老化胶。准确注射，注射量 1000CC 计量精度可达 +/-0.1 克。主要适合于汽车橡胶复杂结构和排气困难的橡胶配件及胶料温度敏感性高、硬度高、精度要求高的橡胶制品。

All in all out injection structure, non-nozzle material barrel design, no check valve, and no aging rubber when plasticizing. Accurate injection: 1000cc injection can be 0.1g accurate. This machine is suitable for making car rubber parts with complex structures, difficult exhausts, high temperatures, hardness, and precision, such as fluorine rubber.

广州市矩川机械设备有限公司
GUANGZHOU JUCHUAN MACHINERY CO., LTD.

展台号 Booth No. **8B15**





医疗
Medical



包装
Packaging



建材
Building &
Construction



婴童用品
Baby & Kids



汽车
Automotive



电子信息及电器
E&E, IT &
Telecommunication



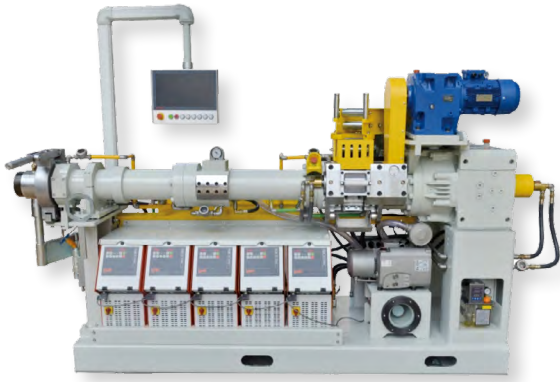
体育及休闲
Sports &
Leisure



其他
Others

90mm20D 橡胶挤出机 90MM20D RUBBER EXTRUDER

1. 本挤出机螺杆、机身、钢套、压辊、旁压辊等所有机身体加工件均达到德国挤出机同等加工标准，精度等级达到国际领先。
2. 螺杆采用日本材质（SACM645）：较国内材质加工变形量少，提高挤出稳定性，比普通螺杆（上海宝钢产的 38CrMoAL）提高一倍耐磨度
3. 采用意大利菲仕同步伺服电机：在额定转速内输出速度与力矩恒定，故较原交流非同步马达速度稳定，橡胶制品稳定，提高合格率。再因为同步伺服马达采用磁缸为电场，该特性使马达节能 10-20%。
4. 喂料机身体采用 Q345 低碳钢（可塑性好）加工中心一体成型机身，打孔式，高压堵头封堵水道，配可拆卸水道清污口，水回圈效果好，机身无一焊接点，无因焊接引起的应力变形，加工精度高，提高机身装配同轴度，减少螺杆钢套磨损，提高设备使用寿命。
5. 真空段机身采用 38CrMoAl 一体加工机身，机身无一焊接点，杜绝焊接造成的应力变形，提高装配：“同轴度”，机身处采用螺旋式水回圈，真空处采用打孔式，高压堵头封堵回圈，较其它品牌挤出机提高机身装配精度同时提高温度控制能力。



1. The extruder screw, barrel, steel sleeve, press roll, side roll, and other machine body parts have reached the same processing standard as the German extruder, and the accuracy level has reached the international leading level.
2. SCREW Japanese material (SACM645): less deformation than domestic material, improve extrusion stability and double the wear resistance of ordinary screw (38CrMoAL produced by Shanghai Baosteel).
3. Phase Motor (Italy): The output speed and torque are constant within the rated speed, so the speed of the motor is more stable than that of the original AC asynchronous motor, the rubber products are more stable and the qualified rate is improved. Benefitted from the synchronous servo motor use of magnetic cylinder as the electric field, the motor can save energy by 10-20%.
4. Feeding chamber and body Q345 low-carbon steel (good plasticity) machining center is used to form the fuselage in one body, punching type, high-pressure plug to block the water channel, with removable water channel cleaner, which has good water circulation effect. There are no welding points in the fuselage, no stress, and deformation caused by welding, high processing accuracy, high coaxiality of fuselage assembly, reduced wear of screw steel sleeve and prolonging the service life of the equipment.
5. Vacuum area is processed by 38CrMoAl with no welding joint, which can eliminate the stress and deformation caused by welding and improve the assembling: "coaxiality". The fuselage adopts spiral water circulation, the vacuum adopts perforation, and the high pressure plug closes the cycle. Compared with other brands of extruders, the fuselage assembly accuracy and the high temperature control ability are improved.

浙江百纳橡塑设备有限公司
ZHEJIANG BAINA RUBBER & PLASTIC EQUIPMENT CO., LTD.

展台号 Booth No. 8F31



密炼机上辅机系统、小料自动配料系统 UPPER AUXILIARY SYSTEM OF INTERNAL MIXER, SMALL MATERIAL AUTOMATIC BATCHING SYSTEM

密炼机上辅机系统：

- * 无尘投料站，有效减少扬尘；
- * 70度大锥角锥形秤，提高卸料速度；
- * 楼层式结构，自动化程度高；

小料自动配料系统

- * 特有料仓设计，无残留
- * 多种规格输送螺杆，精度高
- * 环保，高效

Upper Auxiliary System of Internal Mixer:

- * Dust-free feeding station, reduce dust effectively
- * 70-degree large cone scale, increase discharge speed
- * Floor structure, high degree of automation

Small Material Automatic Batching System:

- * Unique silo design, no residue
- * Various specifications of conveying screw, high precision
- * Environmentally friendly and efficient

深圳市中宇科技开发有限公司
SHENZHEN JOYU TECHNOLOGY CO., LTD.

展台号 Booth No. 8W01



硅胶挤出机
SILICONE EXTRUDER

硅胶挤出硫化生产线 适用于各种硅胶制品的高效挤出和连续快速硫化，目前已广泛应用于日用民品、工业、医疗、电子电力、航空航天、LED 照明、铁路和轨道交通等各领域。该生产线由硅胶挤出机和热空气硫化烘道组成，为国家专利产品。汇田公司的硅胶挤出硫化生产线是在吸收了国际先进技术，结合国内多年生产实践的重要经验基础上设计而成的。硅胶挤出机有著诸多的独特设计，挤出致密度好，制品内外表面光滑，无气泡，螺杆为浮动式不等距不等深型，可以方便用手从后部推出，在生产不同颜色的胶料或做清洁时不产生任何胶料的浪费和污染，为国内独创，尤其适合气象法软态硅胶和采用铂金催化剂的硅胶类制品的挤出生产。最小公差能做到 0.03mm，制品壁厚可小于 0.05mm。挤出机均具备双色挤出的功能，最多可实现 3 机共挤。

The silicone rubber extrusion vulcanization production line is suitable for high-efficiency extrusion and rapid continuous vulcanization of various silicone rubber products, which has been widely used in industry, medical treatment, electric power, and many other fields. This production line is a patent product, the round pipe it produces has no deformation; large diameter silicone rubber pipe with a thick wall pipe, no indentation on surface found after extrusion vulcanization. When extruding and vulcanizing various cross sections of a complex shaped rubber belt, it can ensure a very accurate size and shape. For all kinds of soft and hard silicone rubber with a hardness of 30 ~ 90 degrees, the temperature control precision is high, and so is production efficiency. With a convenient operation process, it ensures a good extrusion vulcanization effect.



天津市汇田电工技术有限公司
TIANJIN HUITIAN ELECTRICAL TECHNOLOGY CO., LTD.

展台号 Booth No. 8W17



螺杆出料捏合机
KHEADER

该机主要用于油墨、硅胶橡胶、胶体、塑胶、铅笔、热收缩材料、涂料、蚊香、石墨碳素、石油、胶基及各种粘度 CMC、变性淀粉、BMC、SMC、复合窰井盖、医药等行业。拌浆及与物料接触部位均为不锈钢制成，具有耐腐蚀，不生锈，且能确保物料的化学性能，支撑部位用调心轴承支撑，不窜轴等特点。

Mainly used in ink silicone rubber, plastic, pencils, heat-shrinkable material, paints, mosquito coils, carbon graphite, oil, gum base, various viscosity of CMC, modified starch, BMC, SMC, and composite stainless steel, which is corrosion-resistant and rust-proof. It ensures the material chemical properties. The supporting part is supported by self-aligning bearings, and the shaft does not shift.

南通密炼捏合机械有限公司
NANTONG KNEADING MIXING MACHINE CO., LTD.

展台号 Booth No. 8W27



橡胶切胶粉碎生产线
RUBBER CRUSHER MACHINE

本机器可以把 25KG 或 33KG 的整块橡胶经过切小后，再粉碎成颗粒，最小可以粉碎到 6MM 以下。粉碎过程中橡胶不会粘刀，结团，设备可以长时间连续工作。

本机适用的原料包括：天然橡胶，丁腈橡胶，丁苯橡胶，顺丁橡胶，乙丙胶，氟橡胶，硅胶，聚氨酯，弹性体等。

This machine can cut 25KG or 33KG rubber into small pieces, and then crush it into particles, the minimum can be crushed to 6MM below. The rubber will not stick to the knife in the crushing process, and the equipment can work continuously for a long time.

This machine is suitable for raw materials including natural rubber (NR), nitrile rubber (NBR), styrene-butadiene rubber (SBR), polybutadiene (BR), ethylene propylene rubber (EPDM), fluorine carbon rubber (FPM), silicone rubber (SI), urethane rubber (PU), elastomer, etc.



东莞市三创塑胶机械有限公司
DONGGUAN SANCHUANG PLASTIC MACHINERY CO., LTD.

展台号 Booth No. 8F15





医疗
Medical



包装
Packaging



建材
Building & Construction



婴童用品
Baby & Kids



汽车
Automotive



电子信息及电器
E&E, IT & Telecommunication



体育及休闲
Sports & Leisure



其他
Others

橡塑原料自动输送配混系统、立库及智慧物流系统、工业资讯化软体、绿色化环保设备、包装检测系统 RUBBER AND PLASTIC RAW MATERIALS AUTOMATIC CONVEYING AND MIXING SYSTEM, WAREHOUSE AND SMART LOGISTIC

该产品系列是我公司在引进吸收德国、英国先进技术的基础上，自主研发的针对橡胶、塑胶、线缆高分子材料、硅胶、摩擦材料、塑胶等行业的全智慧化物料（粉料、粒料、块状料、液体料）集中供料、输送、储存、计量、配料、投料系统，可与各种不同规格密炼机/提炼机/高混机/提合机/挤出机配套。它主要由粉料部分、油料部分、块状料部分、环保部分和全程管控系统五部分组成。其中全程管控系统是将最新资讯技术同生产管理、生产工艺相结合，集生产全程序控制、生产计划管理、物料管理、品质跟踪管理于一体，真正实现了管控一体，对提升管理水准、提高产品品质、降低成本、提高效率起到了重要作用。经过我公司多年不断的技术创新与完善，该产品系列在国内外得到广泛应用，深受客户肯定。

Inspired by the advanced technologies from Germany and Britain, we developed our system of centralized feeding, transportation, storage, metering, batching, and feeding used in the fields of rubber, plastic, cable polymer material, silica gel, friction material, plastic, and other industries where materials come in the form of powder, granular, block, liquid. The system is compatible with various types of mixer/ refiner/ high mixer/ mixer/ extruder. It comprises of five sections, namely powder part, oil part, block part, environmental protection part, and the whole process control system. At its core, the full-process management and control system take advantages of the latest information technology to achieve production and process management, optimizing product quality and stability. After years of technological innovation and development, the product series has been widely used and gained broad recognition from customers at home and abroad.

北京马赫天诚科技有限公司
BEIJING MACH TIANCHENG TECHNOLOGY CO., LTD.

展台号 Booth No. 8F17



硅胶产品 UV 表面处理设备 UV SURFACE TREATMENT EQUIPMENT FOR SILICONE PRODUCTS

本公司生产的 UV 表面处理机，主要用于硅胶产品的表面处理工艺，可使硅胶产品表面获得顺滑的手感，基本替代传统手感油效果，同时通过此设备处理后硅胶制品表面不粘尘，同时静电值大幅降低。已在硅胶表带，手机外壳，医疗制品，婴儿奶嘴等产品方面都有广泛应用，是新型的表面处理工艺。此工艺有能耗低，操作简便，无污染，无需油漆溶剂，等较多优势。

The UV surface treatment machine produced by our company is mainly used for the surface treatment process of silica gel products, which can make the surface of silica gel products obtain a smooth feel and replace the traditional feel oil effect. At the same time, the surface of silica gel products treated by this equipment does not stick to dust, and the electrostatic value is greatly reduced. It has been widely used in silicone watch bands, mobile phone shells, medical products, baby pacifiers, and other products. This new surface treatment process has many advantages including low energy consumption, simple operation, no pollution, no paint solvent, and so on.



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