上海鹤城
HECHENG

聚合 · 创变
Polymer · Technology

Molecules have their rules,
but innovation knows no bounds.
分子有道，创变无界

上海鹤城高分子科技有限公司
Shanghai Hecheng Polymer Technology Co.,Ltd

— 企业愿景

用制造引领行业 用智造开创未来

Leading with Manufacturing Pioneering with Smart Production





聚氨酯创研领域的践行者

Expert in polyurethane material solutions

上海鹤城高分子科技有限公司于 2009 年创立， 是一家以聚氨酯预聚体、衍生物及下游产品为主导业务的国家级高新技术企业。公司自主研发百余种产品，对标国际高端产品，填补国内空白，覆盖石油、矿山、海洋、物流、汽车、电子、医疗、体育、复材、建筑等领域，产品远销欧美、东南亚等 20 余国。

Shanghai Hecheng Polymer Technology Co., Ltd. was established in 2009, We are a leading national high-tech enterprise focused on R&D, manufacturing and global supply of high-performance polyurethane (CPU) elastomer materials. We provide customized polyurethane systems and full-process technical services, ranging from formulation design to production optimization, ensuring solutions that precisely match individual performance requirements. Applications cover areas like oil, mining, marine, logistics, automotive, electronics, medical, sports, and composite construction.

核心业务

专注聚氨酯预聚体及衍生产品研发生产

Core Business

Focus on the research and production of polyurethane prepolymers and their derivatives

研发团队

技术人员占比超 25%

R&D Team

The proportion of technical personnel exceeds 25%.

品质承诺

严苛品控 + 精密检测设备 + 全流程服务

Quality Commitment

Strict quality control system + precise testing equipment + full-process service

高速发展，是市场最好的认可

Rapid growth is the market's best recognition

自 2009 年创立，鹤城稳步高速发展，每一份亮眼成果，均来自市场的充分认可。

Since its founding in 2009, Hecheng has achieved steady and rapid growth. Every remarkable accomplishment is a proof of the full recognition and trust of the market.

2009
公司创立
Company Foundation

2011
公司实现扭亏增盈，进入高速发展阶段
The company has turned losses into profits and entered a phase of rapid growth

2013
确立需求导向研发模式
Established a demand-oriented research and development model

2015
通过 ISO 国际质量体系认证
Received ISO international quality management certification

2017
开启全球化业务
Launched global business

2019
获评国家级高新技术企业
Recognized as a national-level high-tech enterprise

2020
健身器材组合料领域取得突破性市场地位
Achieved a breakthrough market position in the fitness equipment combination materials field

2024
获评国家级专精特新“小巨人”企业
Recognized as a national-level "Specialized, Skilled, Technologically Advanced and High-Quality" (Small Giants) enterprise

2026
集团化
Group Company



使命
以创新聚氨酯技术，赋能产业发展，创造美好生活

Mission
Innovating with polyurethane technology to empower industrial development and create a better life

愿景
成为全球聚氨酯细分领域客户首选的技术标杆

Vision
Become a technical benchmark in the global segmented polyurethane industry

价值观
客户至上 · 专业专注
诚信务实 · 共创共赢

Values
Focus on customer demands Innovation-Driven Development, pursue win-win cooperation



每一个需求，都值得重视
Every need deserves attention

上海鹤城科技凭借“强大的研发生产能力”在聚氨酯行业享有美誉，针对某些因其要求特殊而达不到量产的聚氨酯聚合物，我们也能做到“精准分析、专业定制”，真正做到满足客户的实际需求。每一年，鹤城用于科技研发的费用约占整个企业营收的25% 以上，我们笃信“通过创新和服务来实现差异化”既是企业利润唯一来源，也是推动行业、引领行业长足发展的源动力。

Shanghai Hecheng Technology enjoys a strong reputation in the polyurethane industry for its "powerful R&D and manufacturing capabilities." Even for polyurethane polymers with highly specific requirements that are difficult to mass-produce, we are able to deliver "precise analysis and professional customization" to truly meet customers' actual needs. Every year, Hecheng invests over 25% of its total revenue in technology R&D.







— 技术与专利

百余种自主研发产品，填补国内空白

100+ self-developed products, filling domestic gaps

不断的研发新材料、推出新工艺、挖掘新应用，是鹤城永远的课题。我们也在浇注型聚氨酯弹性体的回收再利用上获得了发明专利，提前为聚氨酯回收利用做好了布局。

Continuously developing new materials, launching new processes, and exploring new applications is Hecheng's eternal mission. We have also obtained an invention patent for the recycling and reuse of cast polyurethane elastomers, making early arrangements for polyurethane recovery and utilization.



申请国际专利 16 项

16 international patent applied

截至 2025 年，鹤城拥有专利 53 项，其中发明专利授权 12 项

53 patentsgranted(by 2025) , including 12 authorized invention patents

持有有效注册商标 10 项

10 registered trademarks



匠心品质，是我们对质量的承诺

Craftsmanship quality is our commitment to excellence

鹤城深信，品质不是检验出来的，而是刻在每一次研发立项、每一釜反应、每一克材料里的执念。我们以匠心为尺，以客户信任为锚，让品质成为鹤城最鲜明的底色。

HECHENG implement full-process quality control covering raw material inspection, production monitoring and finished product testing. Standardized testing procedures and precise laboratory equipment ensure consistent performance of all polyurethane products. Every batch undergoes strict performance verification to deliver stable, reliable materials that meet your long-term production requirements.

01. 源头保障

与巴斯夫、亨斯迈等全球顶级原料商战略合作

Raw Material Assurance

Strategic partnership with global top-tier raw material suppliers such as BASF and Huntsman

03. 出厂保障

每批次通过至少 12 项性能测试

Outgoing quality guarantee

Each batch passes at least 12 performance tests



02. 过程保障

DCS 自动化控制，200+ 工艺参数实时监控

Process guarantee

DCS automated control with real-time monitoring of 200+ process parameters

十大产品体系，全产业链覆盖
Ten Product Series, Full Industrial Chain Coverage

01. 浇注型聚氨酯预聚体 Castable Polyurethane Prepolymers

- TDI 型预聚体
- MDI 型预聚体
- PCL、PCDL、NDI、PPDI、XDI 等预聚体

- TDI-based prepolymers
- MDI-based prepolymers
- PCL, PCDL, NDI, PPDI, XDI-based prepolymers

02. 浇注型聚氨酯组合料 Castable Polyurethane Two-Component (A/B) Systems

- 运动器材包覆用 AB 组合料
- 低粘度滴胶 AB 组合料
- 医用凝胶 AB 组合料
- 常温固化灌封用 AB 组合料
- 攀岩岩点 AB 组合料

- A/B systems for sport equipment overmolding
- A/B systems for low viscosity drip casting
- A/B systems for medical-grade gel
- A/B systems for room-temperature curing
- A/B systems for climbing holds

03. 环保粘合剂 Eco-Friendly Adhesives

- 单组份高强度粘合剂
- 多用途双组分粘合剂
- PUR 热熔胶
- 水性聚氨酯粘合剂
- 水性纺织复合胶

- One-component high-strength adhesive
- Multi-purpose two-component adhesive
- PUR hot-melt adhesive
- Waterborne polyurethane adhesive
- Waterborne textile laminating adhesive

04. 高性能特殊用途预聚体 High-Performance Special-Purpose Prepolymers

- 无模旋转浇注预聚体
- 高耐磨低生热预聚体 (三组分)
- 高硬度不黄变体系预聚体

- Mold-free rotary casting prepolymers
- High-wear-resistant, low-heat-buildup prepolymers (three-component systems)
- High-hardness, non-yellowing prepolymers

05. 配套设备、辅料、助剂 Supporting Equipment, Auxiliary Materials, Additives

- 聚氨酯弹性体生产配套设备
- 聚氨酯弹性体生产配套辅料
- 聚氨酯弹性体生产用各种助剂

- Production equipment for polyurethane elastomers
- Auxiliary materials for polyurethane elastomer production
- Various additives used in polyurethane elastomer production

06. 环保低游离预聚体 Low Free Prepolymers

- TDI 体系低游离预聚体
- MDI 体系低游离预聚体
- PPDI 体系低游离预聚体

- TDI-system low free prepolymers
- MDI-system low free prepolymers
- PPDI-system low free prepolymers

07. 聚氨酯复合纤维组合料 Polyurethane Composite Fiber Compound Systems

08. 特殊聚酯多元醇 Special Polyester Polyols

09. NDI 微孔弹性体 NDI Microporous Elastomers

10. 特殊功能 TPU Special-Functional TPU

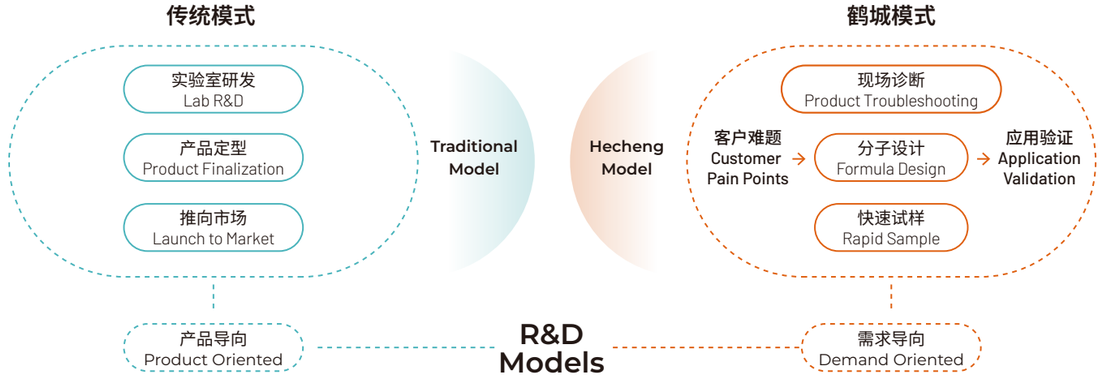
精准检测是创研的保障

Precise testing is the foundation of innovation

以质量和稳定性著称的产品，从来都离不开精准的检测和监测。公司在质量控制和基础科研设备上从未吝啬。

Our company attaches great importance to quality control and the provision of fundamental scientific research equipment. High-precision testing instruments and real-time product inspections ensure the consistent high quality and stable performance of Hecheng's products.







METROHM 化学 / 电位滴定仪
Chemical / Potentiometric Titrator



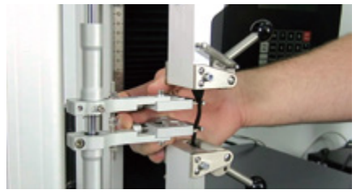
METROHM 微量水分滴定仪
Micro Moisture Titrator



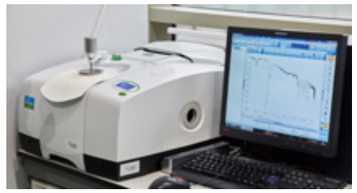
DAHOMETER 密度测试仪
DAHOMETER Density Tester



特制实验室合成反应器
Customized Laboratory Synthesis Reactor



GOTECH 万能拉力试验机
Universal Tensile Testing Machine



Fourier iS20 红外光谱仪
FourieriS20 Infrared Spectrometer



HPLC 1260 液相色谱仪
HPLC 1260 Liquid Chromatograph



GOTECH 冲击回弹测试仪
Impact Resilience Tester



AMETEK 粘度曲线测定仪
Viscosity Curve Analyzer



动态热机械分析仪
Dynamic Mechanical Analyzer (DMA)



GOTECH 辊筒磨耗测试仪
Roller Abrasion Tester



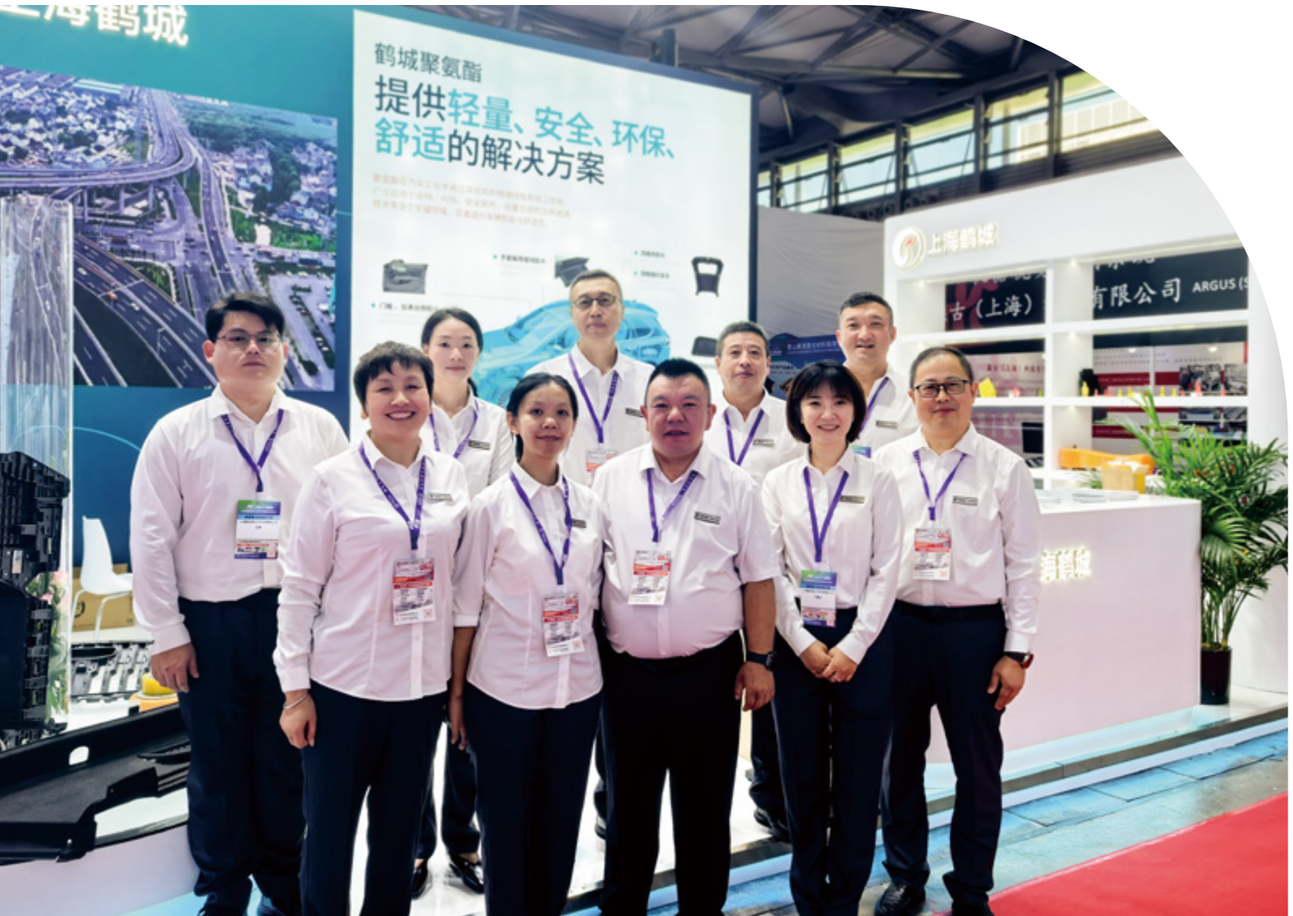
GOTECH 耐黄变试验箱
Yellowing Resistance Test Chamber

售前、售中、售后全方位服务

Comprehensive pre-sales, in-sales, and after-sales service

上海鹤城为客户提供售前、售中、售后全方位服务，售前针对客户需求提供详细的产品分析以及研发生产方案，售中跟进解决客户生产过程中存在的问题，售后根据客户需求提供产品技术、生产培训，指导客户实现稳定批量的生产。

Shanghai Hecheng provide custom R&D solutions upfront, troubleshoot production issues mid-project, and deliver technical training later to enable clients' stable mass manufacturing.



产品设计开发
Product Design & Development

从原料到配方层面设计产品
根据客户对产品的具体要求，为客户从原料、配方层面、设计产品，最贴近的达到客户的需求指标，让客户的产品具有更强的竞争力。

Product design from the raw material to formulation
Based on the customer's specific product requirements, we design products at the raw material and formulation level to best meet the customer's target specifications, giving their products a stronger competitive edge.

生产技术培训
Production Technology Training

提高生产加工水平和技术能力
为客户现场操作技术指导，为客户员工技术培训，岗位培训，安全培训，提高客户的生产加工水平，提高客户工厂的整体技术能力。

Improving production processing and technical capabilities
We provide on-site technical guidance for customer operations, as well as employee training, job-specific training, and safety training — enhancing the customer's production processing level and improving the overall technical capacity of their factory.

建厂设计指导
Plant Construction Design Guidance

从建厂到出产品，一站式服务
可根据客户情况，提供建厂方案，根据客户生产规模，从设备选取生产工艺，加工成型等等，都为客户量身订制。

One-stop service from plant construction to product output
We provide plant construction solutions based on the customer's specific situation and production scale — from equipment selection and production processes to molding and processing — all tailored to the customer's needs.



客户见证与全球合作

十大服务领域
Ten Service Sectors

- 石油 Oil & Gas
- 矿山 Mining
- 海洋 Marine
- 物流 Logistics
- 汽车 Automotive
- 电子 Electronics
- 医疗 Medical
- 体育 Sports
- 复材 Composites
- 建筑 Construction

01. 石油 Oil & Gas

在石油开采与输送的严苛环境中，聚氨酯部件需要承受高压、腐蚀及剧烈磨损。上海鹤城提供的密封、防砂、保护及传动部件，显著提升井下工具与地面设备的寿命与可靠性。

- **关键密封件（压裂泵凡尔胶皮、密封环）**
  耐高压、耐油、抗压缩变形，长效密封
- **钻杆保护套、可溶压裂桥塞**
  高耐磨、可控降解，保护钻具
- **清管器皮碗 / 盘片、筛网、齿轮、摩擦盘**
  高弹性、耐冲击，清洁与传动效率高

In the harsh environments of oil extraction and transportation, polyurethane components are required to withstand high pressure, corrosion and severe abrasion. The sealing, sand control, protective and transmission parts supplied by Shanghai Hecheng can greatly extend the service life and improve the reliability of downhole tools and surface equipment.

- **Critical Sealing Components (Frac Pump Valve Inserts, Seal Rings)**
  High pressure resistance, oil resistance, compression set resistance, long-lasting sealing
- **Drill Pipe Protectors & Dissolvable Frac Plugs**
  High wear resistance, controllable degradation, protects drilling tools
- **Pigging Cups / Discs, Screens, Gears, Friction Discs**
  High elasticity, impact resistance, delivers high cleaning and transmission efficiency





产品型号 Product Model	材料特性 Characteristics	典型应用 Typical Applications
HC-5985 HC-5991 HC-5995	耐磨，耐油，耐各种介质 Wear-resistant, oil-resistant, resistant to various media	各种密封件，密封圈等 Various seals, O-rings and other related products
HC-2995 HC-2295 HC-2196M	耐磨，耐油，耐高温，抗压变 Wear-resistant, oil-resistant, high-temperature resistant, resistant to compression set	高压密封环，压裂车凡尔胶皮等 High-pressure sealing rings, fracturing truck valve rubber sleeves and other components
HC-5282ABC HC-6285ABC	耐磨，耐油，耐水解，高回弹 Wear-resistant, oil-resistant, hydrolysis-resistant, high resilience	清管器配件，筛网，摩擦盘等 Pig accessories, screen meshes, friction discs and other parts



02. 矿山 Mining

矿山作业物料硬、负荷大、工况恶劣。上海鹤城聚氨酯筛板、衬里及轮胎等产品，以其超强耐磨与抗冲击性能，大幅降低设备停机频率，提升选矿与运输效率。

- **筛板、筛网、旋流器**
  耐磨寿命为钢制 3-5 倍，自清洁、筛分效率高
- **输送带、清扫器、托辊**
  抗撕裂、防粘附，降低皮带损耗
- **球磨机衬里、管道衬里、浮选机内衬**
  抗冲击、耐腐蚀，保护设备本体
- **聚氨酯实心轮胎、轮胎填充物**
  防爆、耐刺扎、高承载，适应恶劣路面

Mining operations feature hard materials, heavy loads and harsh working conditions. Shanghai Hecheng's polyurethane screen panels, liners, tires and other products deliver exceptional wear and impact resistance, drastically cutting equipment downtime and boosting mineral processing and transportation efficiency.

- **Screen panels, screen meshes, hydrocyclones**
  Wear service life 3 to 5 times that of steel, self-cleaning and high screening efficiency
- **Conveyor belts, belt cleaners, idlers**
  Tear-resistant and anti-adhesive, reducing belt wear
- **Ball mill liners, pipeline liners, flotation cell liners**
  Impact-resistant and corrosion-resistant to protect equipment body
- **Polyurethane solid tires, tire filling materials**
  Explosion-proof, puncture-resistant and high load-bearing, applicable to harsh road surfaces

产品型号 Product Model	材料特性 Characteristics	典型应用 Typical Applications
HC-1590N	耐磨性能优异，自清洁，筛分效率高 Excellent wear resistance, self-cleaning property and high screening efficiency	筛板，筛网，旋流器等 Screen panels, screen meshes, hydrocyclones, etc.
HC-5991		
HC-5995		
HC-5282ABC		
HC-6585	抗撕裂，防黏附，耐低温，操作性好 Tear resistance, anti-adhesion, low temperature resistance, and good operability	输送带，清扫器，托辊等 Conveyor belts, belt cleaners, idlers, etc.
HC-6590		
HC-6595		
HC-6560D		
HC-8305AB	防爆，耐穿刺，承载高 Explosion-proof, puncture-resistant and high load-bearing capacity	轮胎填充物等 Tire filling materials, etc.





03. 海洋 Marine

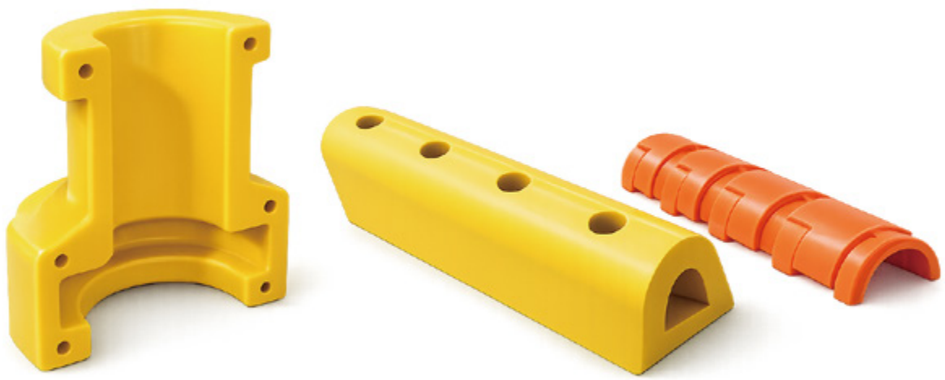
海洋工程面临海水腐蚀、生物附着、高压冲击等挑战。上海鹤城聚氨酯弹性体包覆、护舷、防滑涂层等产品，为海上装备提供从水下到甲板的“全寿命防护”。

- **弹性体包覆材料**
  耐海水高压、防腐蚀、性能稳定
- **弯曲限制器、保护套管、海洋软管**
  抗过度弯曲、磨损，保护海缆与脐带缆
- **船用护舷、平台防撞设施**
  高吸能、回弹性好，保护船体与码头
- **甲板防滑涂层、隔振密封垫**
  防滑、耐碾压、减震降噪，保障作业安全

Offshore engineering is confronted with challenges including seawater corrosion, marine organism adhesion and high-pressure impact. Polyurethane elastomer claddings, fenders, anti-slip coatings and other products from Shanghai Hecheng deliver full-life protection for offshore equipment from underwater sections to decks.

- **Elastomer cladding materials**
  Resistant to seawater high pressure, anti-corrosion and stable performance
- **Bend restrictors, protective sleeves, marine hoses**
  Resist excessive bending and abrasion, protect submarine cables and umbilical cables
- **Marine fenders, offshore platform anti-collision facilities**
  High energy absorption and excellent resilience, protect ship hulls and docks
- **Deck anti-slip coatings, vibration isolation gaskets**
  Anti-slip, compression-resistant, vibration and noise reduction, ensure operational safety

产品型号 Product Model	特性 Characteristics	典型应用 Typical Applications
HC-6585	耐海水，耐高压，防腐蚀 Seawater-resistant, high-pressure resistant and anti-corrosive	各种船用保护配件，包胶材料等 Various marine protective fittings, rubber coating materials and other products
HC-6590		
HC-6595		
HC-6575D-L		
HC-6285	耐海水，耐候性良好，高回弹，减震 Seawater-resistant, excellent weather resistance, high resilience and shock absorption	船用护舷，平台、码头防撞块等 Marine fenders, offshore platform & dock bumpers and other components
HC-6295		
HC-6796AB	抗弯，耐磨，超长的操作时间 Bending-resistant, wear-resistant and ultra-long service life	弯曲限制器，海缆保护套，海洋软管等 Bend restrictors, submarine cable protectors, marine hoses and related parts
HC-6760D-AB		



04. 物流 Logistics

现代物流追求高速、静音、长寿命。上海鹤城聚氨酯包胶轮、传送带及抗静电部件，广泛用于自动化分拣线、AGV 及冷链运输，助力物流系统高效稳定运行。

- **传送带、同步带、包胶滚筒**
  高耐磨、低噪音、节能
- **分拣设备包胶轮、驱动轮**
  抓地力好、不损伤地坪，运行平稳
- **叉车轮、AGV 轮、堆高机轮**
  高承载、抗静电、适用于冷库等特殊环境
- **设备防撞块**
  缓冲吸能，保护物流设备与设施

Modern logistics pursues high speed, low noise and long service life. Polyurethane coated wheels, conveyor belts and anti-static components from Shanghai Hecheng are widely applied in automatic sorting lines, AGVs and cold chain transportation, enabling efficient and stable operation of logistics systems.

- **Conveyor belts, timing belts, polyurethane coated rollers**
  Superior wear resistance, low noise, energy saving
- **Coated wheels and drive wheels for sorting equipment**
  Excellent traction, no damage to floor surfaces, smooth operation
- **Forklift wheels, AGV wheels, stacker wheels**
  High load capacity, anti-static, suitable for cold storage and other special environments
- **Equipment bumpers**
  Shock absorption and energy absorption, protect logistics equipment and facilities





产品型号 Product Model	特性 Properties	应用场景 Applications
HC-5991 HC-5995	高耐磨，低噪音，性价比高 Superior wear resistance, low noise, cost-effective	滚轮，滚筒，同步带，传送带，防撞块等 Wheels，rollers, timing belts, conveyor belts, bumpers, etc.
HC-5294 HC-2995 HC-6595 HC-2295	高耐磨，高承载，耐低温，高回弹 Excellent wear resistance, high load capacity, low temperature resistance, high resilience	叉车轮，包胶轮，驱动轮，AGV 轮，堆高车轮等 Forklift wheels, polyurethane coated wheels, drive wheels, AGV wheels, stacker wheels, etc.
HC-1590N HC-2195	高耐磨，低内生热，高撕裂，高伸长率 High abrasion resistance, low heat build-up, high tear strength, high elongation	单轨吊轮，室外叉车轮，驱动轮等 Monorail hoist wheels, outdoor forklift wheels, drive wheels, etc.



05. 汽车 Automotive

轻量化与舒适性并重的汽车工业，是聚氨酯的重要应用阵地。上海鹤城为底盘、车身、内饰提供减震、密封及粘接解决方案，提升整车 NVH 性能与燃油经济性。

- **减震缓冲块、弹簧垫、悬挂衬套**
  减震降噪、提升行驶质感与操控稳定性
- **扶手、方向盘、仪表板**
  触感舒适、设计自由度高、低 VOC
- **保险杠、车身壁板、挡泥板、天窗**
  轻量化、抗冲击
- **内饰粘合剂**
  无溶剂、粘接强度高，满足环保要求

The automotive industry, which balances lightweight design and riding comfort, represents a key application field for polyurethane. Shanghai Hecheng supplies shock absorption, sealing and bonding solutions for chassis, vehicle bodies and interiors, improving vehicle-level NVH performance and fuel economy.

- **Shock absorbing bump blocks, spring pads, suspension bushings**
  Absorb vibration and reduce noise, improve driving feel and handling stability
- **Armrests, steering wheels, instrument panels**
  Comfortable touch, high design flexibility, low VOC
- **Bumpers, body panels, fenders, sunroofs**
  Lightweight, impact-resistant
- **Interior adhesives**
  Solvent-free, high bonding strength, compliant with environmental standards



产品型号 Product Model	特性 Properties	应用场景 Applications
HC-6590 HC-2195 HC-6580 HC-6585	减震降噪，提升行驶质感与操控稳定性 触感舒适，设计自由度高、低 VOC Shock absorption and noise reduction, improved ride comfort and handling stability Comfortable touch, high design flexibility, low VOC emissions	减震缓冲块，弹簧垫，悬挂衬套 扶手，方向盘，仪表板 Shock-absorbing blocks, spring pads, suspension bushings Armrests, steering wheels, instrument panels
HC-8885DL-A HC-8885DL-B	轻量化，抗冲击 Lightweight, impact resistance	保险杠，车身壁板，挡泥板，天窗 Bumpers, body panels, fenders, sunroofs
HA-1028-1 HA-5451 HR-0523	无溶剂、粘接强度高，满足环保要求 Solvent-free, high bonding strength, meets environmental protection requirements	内饰粘合剂 Interior adhesive

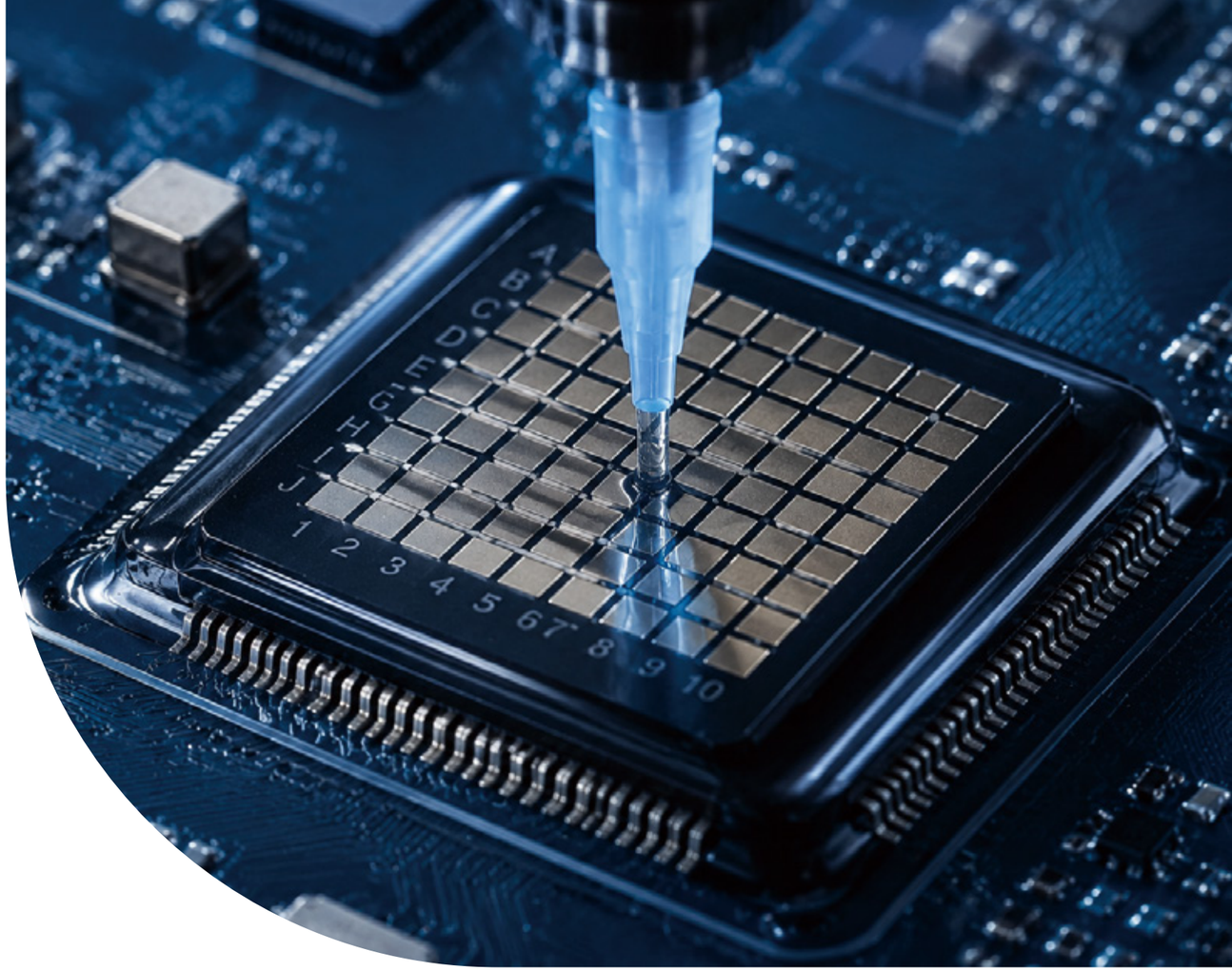
06. 电子 Electronics

从芯片制造到终端产品，聚氨酯以精密灌封、涂层及结构件形式，保护电子元件免受湿气、振动及静电干扰。上海鹤城产品满足半导体洁净室及消费电子柔性化趋势。

- **灌封料（电路模块、传感器、电池包）**
  优异绝缘性、低应力、耐潮湿
- **半导体设备滚轮、密封件、导轨**
  低发尘、高精度、耐化学品
- **电磁屏蔽涂层、导热界面材料、ESD 部件**
  功能集成，保障电子设备可靠运行

From chip manufacturing to end-user products, polyurethane protects electronic components from moisture, vibration, and electrostatic interference in the form of precision potting, coatings, and structural parts. Shanghai Hecheng's products meet the stringent requirements of semiconductor cleanrooms and the growing trend toward flexibility in consumer electronics.

- **Potting Compounds (for circuit modules, sensors, battery packs)**
  Excellent insulation, low stress, moisture resistance
- **Rollers, seals and guide rails for semiconductor equipment**
  Low particle generation, high precision, chemical resistance
- **Electromagnetic shielding coatings, thermal interface materials, ESD components**
  Integrated multi-functions to ensure reliable operation of electronic devices





产品型号 Product Model	特性 Properties	应用场景 Applications
HC-8640AB	密封性良好，优异的绝缘性，低应力 Good sealing performance, excellent insulation and low stress	电路板灌封，传感器保护，电池包灌封等 PCB potting, sensor protection, battery pack potting, etc.
HC-8552AB		
HC-8775AB	极低的粘度，透明不黄变，较长的操作时间 Ultra-low viscosity, transparent and non-yellowing, long working life	传感器灌封，LED 灌封，抗静电或者绝缘灌封 Sensor potting, LED potting, anti-static or insulating potting
HC-8790AB		
HC-8380D-AB	较长的操作时间，使用方便，硬度高，不脆 Long working life, easy application, high hardness and non-brittle	电器元件灌封，链接灌封，优异的绝缘性，耐潮湿 Electrical component potting, connection potting, excellent insulation and moisture resistance

07. 医疗 Medical

安全、舒适、生物相容是医疗材料的核心要求。上海鹤城三款聚氨酯产品，以精准定位服务于手术体位管理、伤口快速止血及骨科外固定。

- **凝胶体位垫**
  压力分散、X 光可透、防水透气

- **聚氨酯固定支架**
  轻便透气、透 X 射线、遇水固化塑形好

Safety, comfort and biocompatibility are core requirements for medical-grade materials. Shanghai Hecheng offers three series of polyurethane products tailored precisely for surgical positioning management, rapid wound hemostasis and orthopedic external fixation.

- **Gel Positioning Pads**
  Pressure dispersion, radiolucent, waterproof and breathable

- **Polyurethane Immobilization Braces**
  Lightweight and breathable, radiolucent, good shaping performance after water-activated curing





产品型号 Product Model	特性 Properties	应用场景 Applications
HC-8301AB HC-8305AB	防水透气，X 光可穿透，压力均匀分散 Waterproof, breathable, X-ray permeable, and evenly distributes pressure	医疗凝胶体位垫等 Medical gel positioning pads, etc.
HC-8309AB HC-8380D-AB	操作简便，硬度高，收缩率小 Easy to operate, high hardness, low shrinkage	各种体位支架 Various positioning supports



08. 体育 Sports

从专业训练到日常健身，聚氨酯为运动防护与器材提供能量回馈与缓冲保护。上海鹤城产品覆盖头盔内衬、护具、器材部件，让运动更安全、更高效。

- **头盔内衬、护膝 / 护肘缓冲层**
  高效吸能、抗冲击，保护运动员
- **自行车坐垫、竞速轮滑、滑雪板**
  轻质高强、回弹性好，提升运动表现
- **杠铃片、哑铃、壶铃包胶**
  减震降噪、耐磨、防滑
- **攀岩岩点、健身器械把手 / 衬垫**
  手感舒适、耐用、抗老化

From professional training to daily fitness, polyurethane delivers energy return and cushioning protection for sports safety gear and equipment. Shanghai Hecheng's products cover helmet liners, protective gear, and equipment components, making sports safer and more efficient.

- **Helmet liners, knee/elbow pad cushion layers**
  High energy absorption and impact resistance to protect athletes
- **Bike saddles, racing roller skates, snowboards**
  Lightweight and high strength with excellent resilience to boost athletic performance
- **Coated weight plates, dumbbells and kettlebells**
  Vibration & noise reduction, wear-resistant and anti-slip
- **Climbing holds, fitness equipment grips and pads**
  Comfortable touch, long service life and anti-aging property

产品型号 Product Model	特性 Properties	应用场景 Applications
HC-8309AB	高效吸能，抗冲击，缓冲防护 High energy absorption, impact resistance, cushioning protection	鞍座垫，头盔内衬，护膝、护肘缓冲层等 Saddle pads, helmet liners, cushioning layers for knee pads and elbow pads, etc.
HC-8305AB		
HC-8380D-AB	高硬度，韧性好，耐磨，成型工艺简便 High hardness, good toughness, wear resistance, easy molding process	攀岩岩点等 Climbing holds, etc.
HC-8385AB	固化快，初始强度高，抗摔打 Fast curing, high initial strength, impact and drop resistance	哑铃，杠铃，壶铃，铃片等产品包胶 Overmolding for dumbbells, barbells, kettlebells, weight plates, and other fitness equipment
HC-8392AB		
HC-8398AB		
HC-8790AB	极低的粘度，不黄变，可常温固化 Ultra-low viscosity, non-yellowing, room-temperature curable	哑铃，杠铃，壶铃，铃片等浇字料 Lettering/filling materials for dumbbells, barbells, kettlebells, weight plates.





09. 复材 Composites

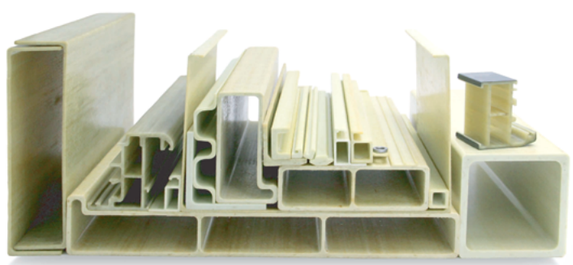
聚氨酯作为先进复合材料基体，兼具轻质、高强与快速成型优势。上海鹤城提供拉挤、LFI、RTM、缠绕等多种工艺制品，广泛应用于新能源、建筑与交通领域。

- 拉挤成型
  光伏边框、风电叶片梁帽、门窗型材
  强度高、耐腐蚀
- 长纤维注射 (LFI)
  汽车仪表板、发动机罩、农机外壳
  一体成型、效率高、复杂形状适应性强
- 树脂传递 (RTM)
  风机叶片、汽车结构件、高铁部件
  表面质量好、力学性能优异
- 缠绕成型
  轻质电力杆塔、管道、压力容器
  轻量化、抗风能力强、绝缘

As a matrix for advanced composite materials, polyurethane features lightweight, high strength and rapid molding advantages. Shanghai Hecheng supplies products manufactured via pultrusion, LFI, RTM, filament winding and other processes, which are widely used in new energy, construction and transportation industries.

- Pultrusion Molding
  PV frames, wind turbine blade spar caps, door and window profiles
  High mechanical strength , corrosion resistant
- Long Fiber Injection (LFI)
  Automotive instrument panels, engine hoods, agricultural machinery housings
  Integrated one-step molding, high production efficiency, excellent adaptability for complex geometries
- Resin Transfer Molding (RTM)
  Wind turbine blades, automotive structural parts, high-speed rail components
  Premium surface finish, outstanding mechanical properties
- Filament Winding Molding
  Lightweight electric power poles, pipelines, pressure vessels
  Lightweight construction, strong wind resistance, electrical insulation

产品型号 Product Model	特性 Properties	应用场景 Applications
HC-8885DL-AB	表面光滑，不易堵模和优异的拉伸强度 Smooth surface, low die clogging tendency and excellent tensile strength	高温固化的聚氨酯拉挤工艺边框制品 Frame products manufactured via high-temperature cured polyurethane pultrusion process
HC-8377D-AB	使用方便，可使用时间长，脱模快，强度高 Easy to use, long service life, fast demoulding and high strength	聚氨酯弹性体制品 Polyurethane elastomer products



10. 建筑 Construction Industry

建筑行业对防水、密封及模具材料要求严苛。上海鹤城聚氨酯灌封胶与模具胶，为桥梁伸缩缝及混凝土构件提供耐久、弹性优异的解决方案。

- **桥梁伸缩缝灌封胶**
  高弹性、耐老化、防水密封，适应长期位移
- **混凝土模具胶**
  脱模性好、表面光洁、耐用，可重复使用

The construction industry imposes stringent requirements on waterproofing, sealing and mold materials. Shanghai Hecheng's polyurethane potting adhesives and mold rubbers deliver durable, high-elasticity solutions for bridge expansion joints and concrete components.

- **Potting Adhesives for Bridge Expansion Joints**
  High elasticity, anti-aging, waterproof and sealing, adaptable to long-term displacement
- **Concrete Mold Rubber**
  Excellent mold release, smooth surface finish, durable and reusable





产品型号 Product Model	特性 Properties	应用场景 Applications
HC-8552AB	低硬度，高回弹，耐水性好，成型快 Low hardness, high resilience, good water resistance, fast molding	代替硅胶软质模具胶 Replacement for soft silicone mold rubber
HC-8678AB	粘度低，伸长率高，韧性好 Low viscosity, high elongation, good toughness	建筑造型胶，水泥模具胶等 Architectural molding compounds, cement mold rubbers, etc.
HC-8375AB		
HC-8380D-AB		
HC-8385AB	固化速度快，强度高 Fast curing speed, high strength	快速成型手模等 Rapid prototyping hand molds, etc.

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28

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电话 021 57871258 传真 021 57871091
邮箱 hc@hechengcpu.com

Shanghai Hecheng Polymer Technology Co.,Ltd

No.1266, XinBin Road, Maogang Town, Songjiang District, Shanghai
Tel 021 57871258 Fax 021 57871091
Email hc@hechengcpu.com

www.hechengcpu.com

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