

The Presentation of Cinchusun



常州新祺晟高分子科技有限公司

Changzhou Cinchsun Macromolecule
Technology Co.,Ltd



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新祺晟高分子



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The Presentation of Cinchusun

企业概况

Brief of Company

技术中心

The Center of Technology

原材料

Material

深加工应用

Post processing



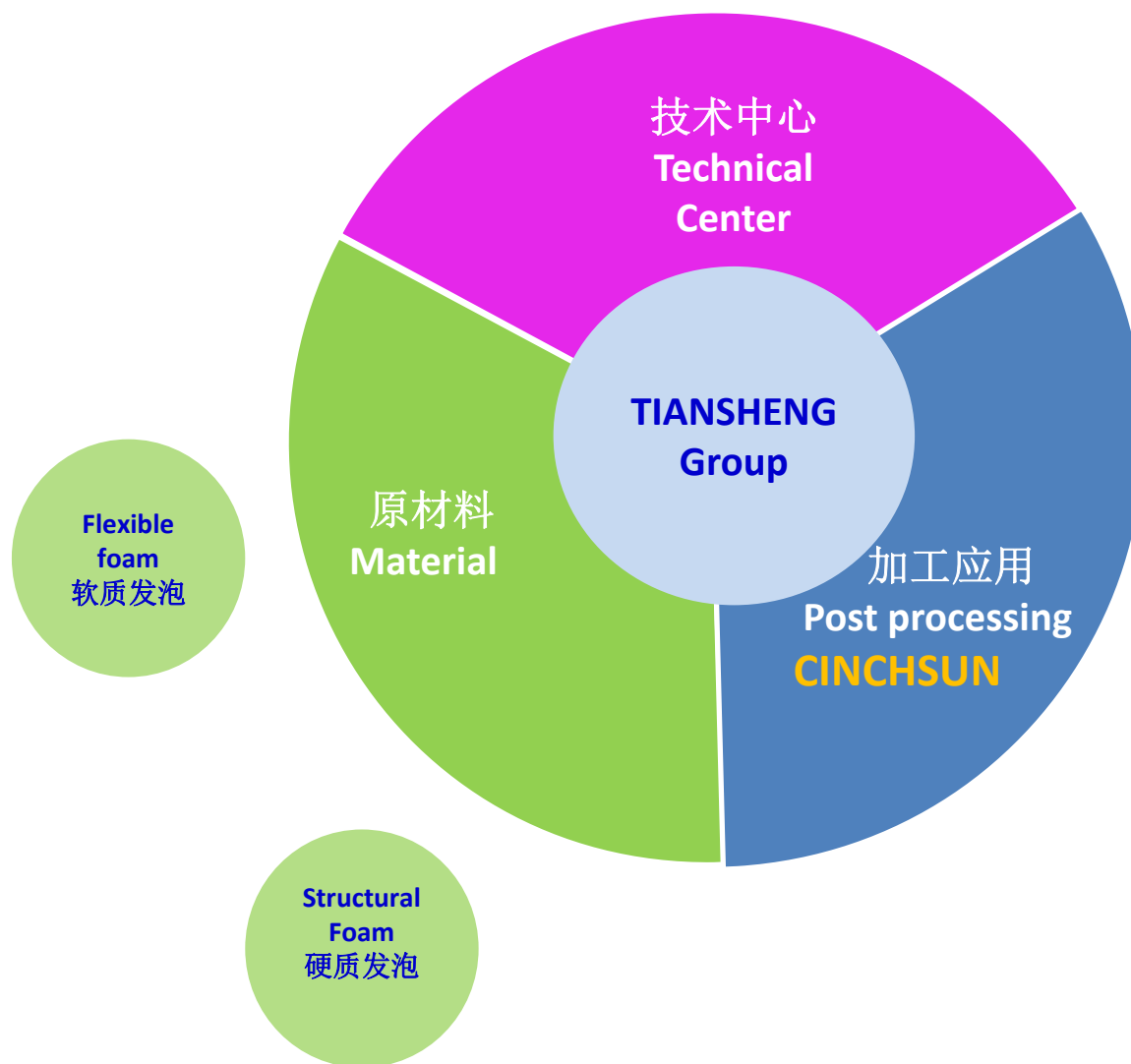
CINCHSUN
新祺晟高分子

企业概况

The Brief of Company



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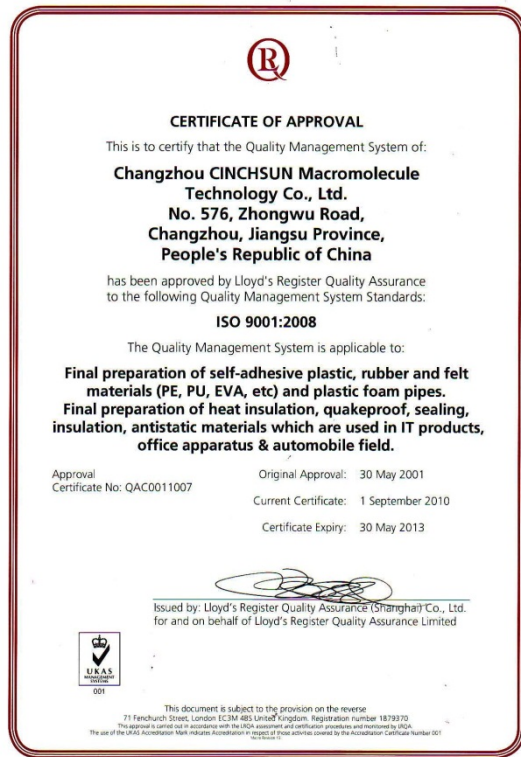
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Brief of TIANSHENG 天晟概况

- 成立于1998年，国内模压发泡的领军企业；
- Established in 1998, and become domestic leading enterprise in the area of moulding and foaming.
- 净资本额2.8亿元；2016年销售11.8亿元RMB，员工1580名
- Net capital: RMB 280 Million ; Turnover is RMB 1.18 Billion in 2016, 1580 employees,
- 通过ISO14001、ISO9001、ISO/TS16949的认证；
- Got the certification of ISO14001、ISO9001、ISO/TS16949
- 集团公司已于2011年1月上市（证券代码：300169），是国内唯一的，以发泡材料为主业的上市公司；
- Group company was listed in January 2011 (Stock Code: 300169) , is only one listed company who are mainly focuses on foaming products in China.
- 江苏省高新技术企业；
- Hi-tech corporation of Jiangsu province.
- 提供密封、保温、隔热、隔音、减震、胶粘制品等一系列解决方案。
- Provide series of solutions of air-proof, thermal insulation, sound-proof, shock-proof, Adhesive Tape



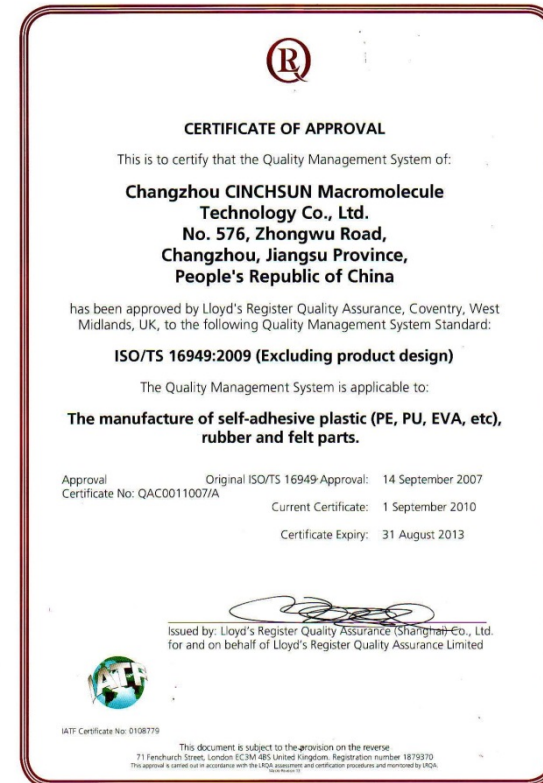
Certification 企业认证



ISO/9001



ISO/14001



TS16949



Partners 合作伙伴

Panasonic
ideas for life

SIEMENS

Hisense

 **MITSUBISHI
ELECTRIC**
Changes for the Better

 **DAIKIN**
AIR CONDITIONING

SHARP



TOSHIBA



KOMATSU

 **TOYOTA**



BOMBARDIER

 **CSR 中国南车**

 **MOTOROLA**


Logitech.

NOKIA
Connecting People

 **CINCHSUN**
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企业愿景

Enterprise Vision

做世界一流高分子发泡材料制造商
**Become a leader of macromolecular
foam material manufactures.**



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技术中心

The Center of Technology



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The Center of Technology 技术中心--产品/研发

人员组成 (Structure)

- 博士研究生 (Doctor Degree) : 7
- 硕士研究生 (Master Degree) : 20
- 本科生 (Bachelor Degree): 53

合作院校 (Cooperation Universities)

- 中科院长春应用化学研究所
CAS Changchun Institute of Applied Chemistry
- 四川大学
Sichuan University
- 上海交通大学
Shanghai Jiao Tong University
- 同济大学
Tongji University



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The Center of Technology 技术中心--产品/研发

- 江苏省高分子泡沫材料工程技术研究中心
- 通过CNAS国家标准实验室认证
- 江苏省企业技术中心



热学性能检测 (Thermal Property Tests)

DSC差示扫描量热仪: **Differential Scanning Calorimeter**

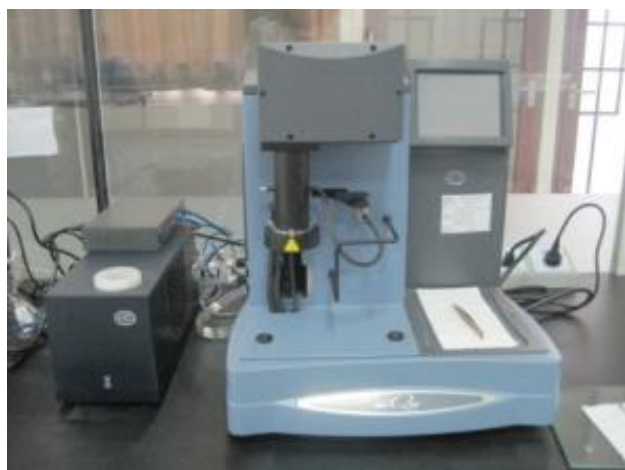
TGA热重分析仪: **Thermal Gravity Analyzer**

DMA动态热机械分析仪: **Dynamic Mechanical Analyzer**

导热系数检测仪: **Thermal Conductivity**

尺寸稳定性: **Dimension**

耐温测试: **Thermal Resistance**



TGA热重分析仪
Thermal Gravity Analyzer



DSC差示扫描量热仪
Differential Scanning
Calorimeter



DMA动态热机械分析仪
Dynamic Mechanical Analyzer



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Mechanical Tests 力学性能检测



万能拉伸机
Universal Test Machine



疲劳试验机
Fatigue Test Machine



落锤冲击
Impact Tester



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Mechanical Tests 力学性能检测



滚筒剥离
Drum Peeling



抗压测试
Compression



弯曲测试
Flexural



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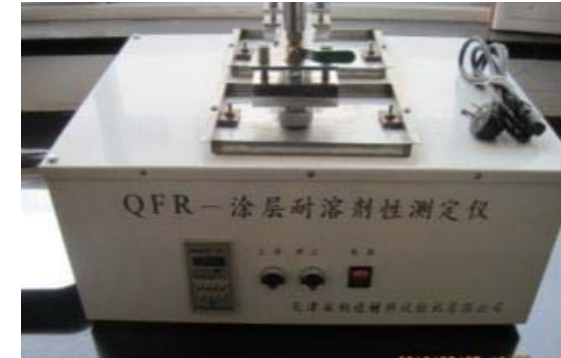
Environmental Tests 环境条件老化试验



高温、高湿
High Temp and Moisture



氙灯老化 Light Aging



涂层耐溶剂
Coating Solvent Resistance



涂层耐洗刷 Coating Brushing Resistance



盐雾老化 Salt Air Aging



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Fire Tests 燃烧（阻燃）性能检测



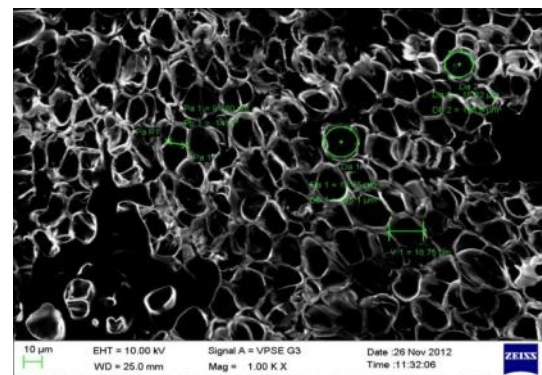
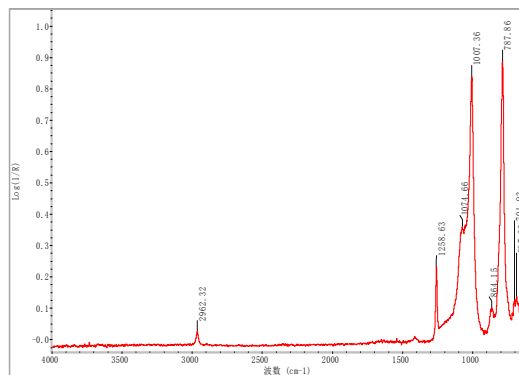
氧指数测试
Oxygen Index

垂直燃烧测试
Vertical Burning



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Microstructure Measurement 微观结构性能检测



红外光谱仪
Infrared Spectrum



蔡司电子扫描电镜
SEM

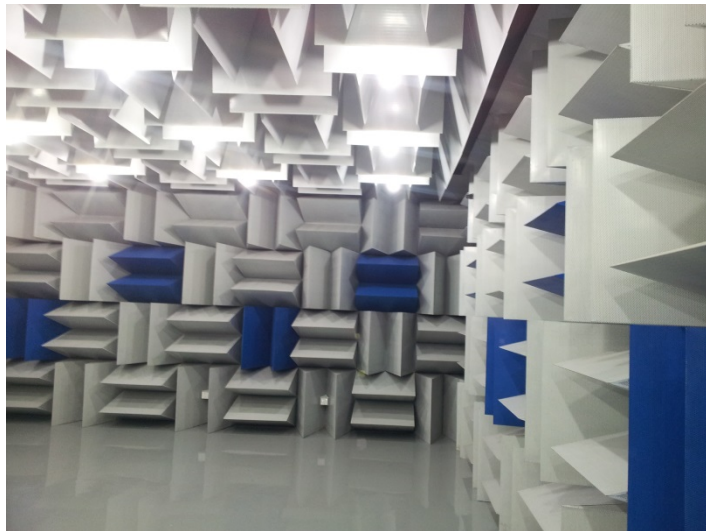


凝胶色谱仪
Gel Permeation
Chromatography
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Noise tests 噪音测试

吸音测试室

Sound absorption test room



隔音测试室
Sound insulation room



混响室

Reverberation room acoustical



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Patent technology 专利

No.	Patent name	Type	Application number	Notes
1	Butadiene styrene rubber foaming plate and preparation method	Utility Patent	200810023438.6	Authorized
2	Ethane-vinyl acetate copolymer hole-opening foaming profile and method for manufacturing same	Utility Patent	200810023439.0	Authorized
3	Fire-retardant acryl acid ester adhesive and preparation method	Utility Patent	200810021752.0	Authorized
4	Chloroprene rubber foamed sheet and preparation method	Utility Patent	200810155833.X	Authorized
5	Conductive ethylene-vinyl acetate co-polymer foamed profile and preparation method	Utility Patent	200810155834.4	Authorized
6	Rubber foam yoga mat	Patent for utility models	200820160699.8	Authorized
7	Improved crosslinked polyvinyl chloride structural foam and preparation method	Utility Patent	200910033041.X	Authorized
8	Method for producing composite foam sheet from foam scrap with cross-linked polyvinyl chloride structure	Utility Patent	200910232399.5	
9	Split-type movable mould	Patent for utility models	201020171703.8	Authorized
10	Halogen-free flame retardant fluid and applying the methods of preparation of halogen-free flame retardant liquid flame retardant foam	Utility Patent	201010248515.5	
11	A multifunctional reflective shield film for LCD backlight	Patent for utility models	201020576343.X	Authorized
12	Building curtain wall and composite board for manufacturing same	Utility Patent	201010545852.0	Authorized
13	Building curtain wall and composite board for fabricating building curtain wall	Utility Patent	201010545854.X	
14	Building curtain wall and composite board for manufacturing same	Patent for utility models	201020608883.1	Authorized
15	Building curtain wall and composite board for fabricating building curtain wall	Patent for utility models	201020608884.6	Authorized
16	Energy converter diaphragm	Patent for utility models	201020607023.6	Authorized



开发新材料

Develop New Material

提供测试服务

Provide Testing Service

分析样品材料，根据客户使用的需求，提供降本解决方案

Analyze the sample, and provide new solution for lost cost according the requirement of customer.



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原材料

Materials



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Production of Flexible foam 软质发泡材料生产



原材料 Raw maaterial



橡胶原版 Rubber sheet



- EPDM 发泡材料
- PE/EVA发泡材料
- PU发泡材料
- SBR、CR发泡材料
- PVC/NBR发泡材料
- 其它橡胶、塑料发泡材料



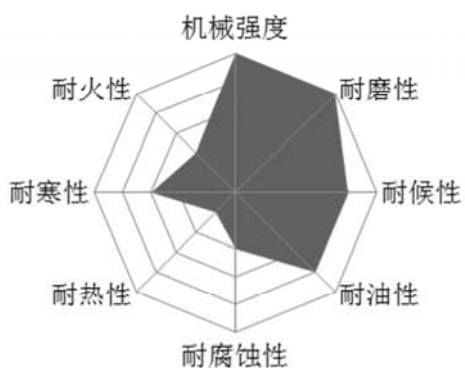
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橡胶材料的特性

SBR橡胶



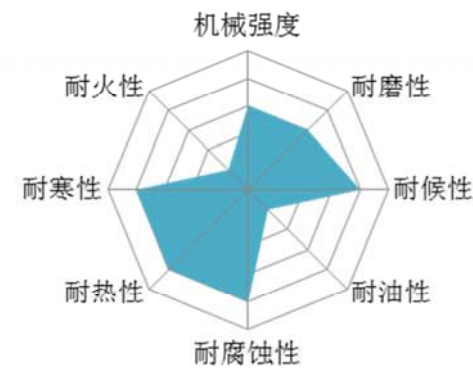
TPU胶



EPDM橡胶



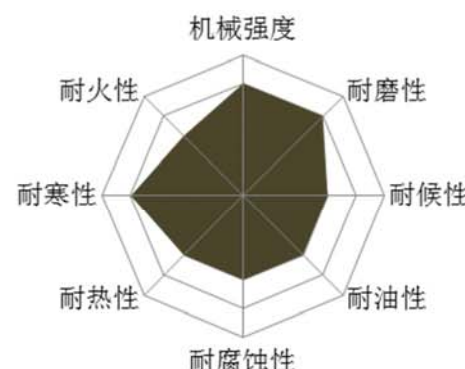
IIR橡胶



NBR橡胶



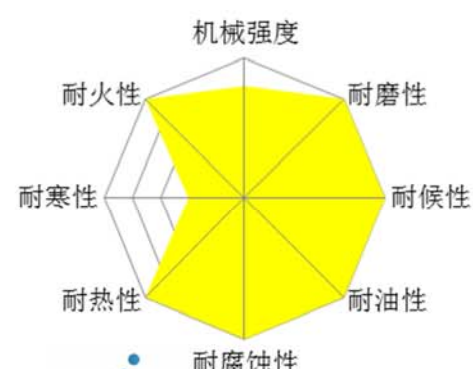
CR橡胶



硅橡胶



氟橡胶



The production of structural foam 原材料生产-硬质结构泡沫

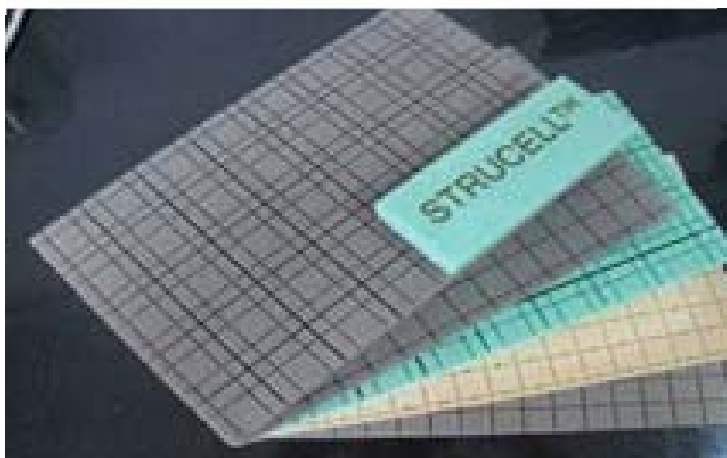


Full-automatic production line 全自动生产设备线



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Structural foam 硬质发泡材料



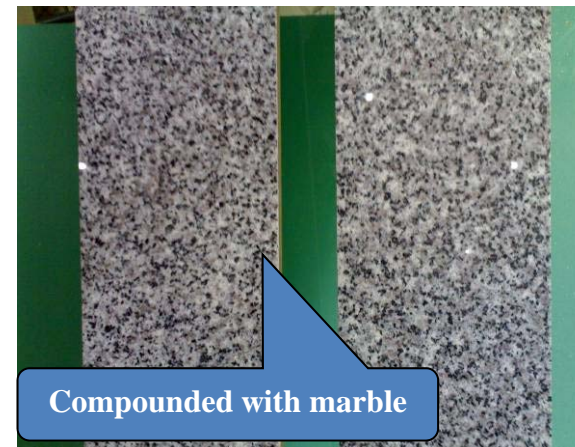
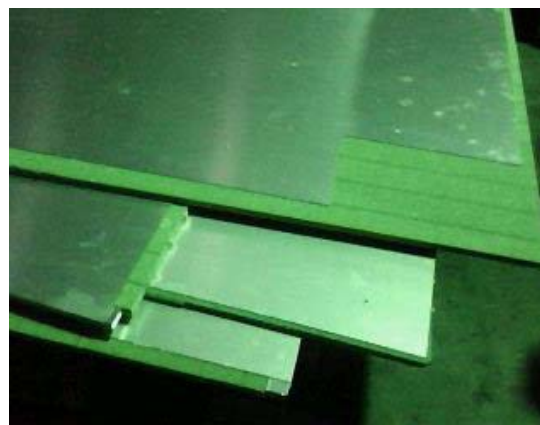
原材料 Material



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Composite panel 硬质泡沫复合材料

Sandwich composite panels 三明治结构复合材料



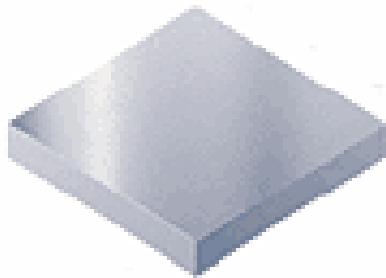
Compounded with marble

The characteristic of Composite panel 复合材料特性

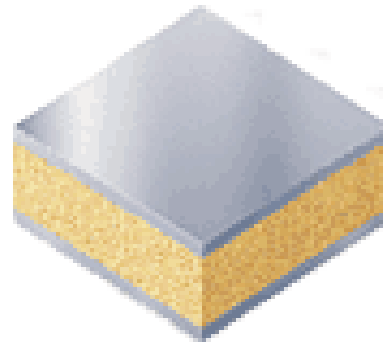
三明治复合材料的高性能的强度-重量比

Sandwich Composite material have high strength-weight ratio

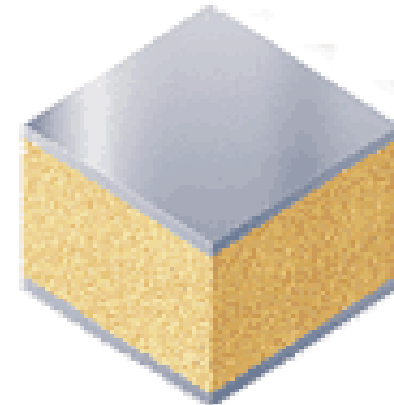
Relative thickness: 1t
Relative weight: 1
Relative curve strength: 1
Relative Stiffness : 1



Relative thickness 2t
Relative weight: 1.03
Relative curve strength: 3.5
Relative Stiffness 7



Relative thickness 4t
Relative weight 1.06
Relative curve strength 9.2
Relative Stiffness 37



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The application of structural foam 硬质发泡材料应用



Fill in Blade
叶片基材填充



Floor board--high speed railway
高铁车厢地板



Fill in broad side
游艇舷板

轻量化应用



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Composite panel 硬质泡沫复合材料



Application in national defense 国防应用



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深加工应用

Post Processing



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Application of products --Cinchsun 新祺晟产品应用

- 通讯设备 (Mobile communication)
 - IT 行业 (Information Technology)
 - OA办公设备 (Office automation)
 - 工程机械 (Construction machinery)
 - 汽车 (Automobile)
 - 家用电器 (household electrical appliances)
 - 轨道交通 (Rail Transportation)
 - 风能电力(Wind Energy)
- 其他(Others)



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Production Site 生产现场



Die Cutting 模切



Die Cutting 模切



Heat pressing 热压



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Production Site - clean room 生产现场



Precision Die cutting 精密模切



1200mm*1000mm Die cutting machine
大尺寸光学模切设备

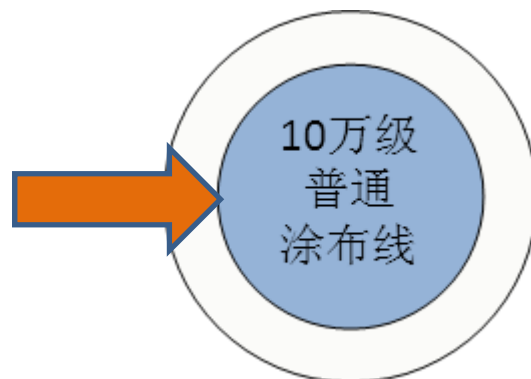


Cleaning room 净化车间

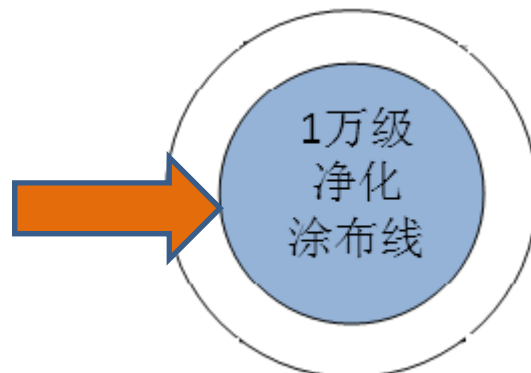


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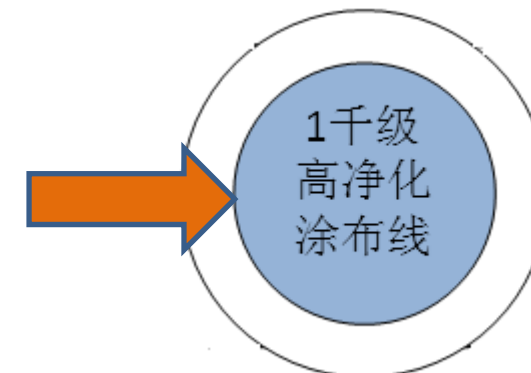
Production site of tape 胶带涂布线



普通双面胶带
Double Tape
100, 000 Class clean
room



净化PET胶带、膜
Cleaning Tape, Film
10,000 Class clean
room



光学用薄膜、胶带
Cleaning Tape, Film
for Optic Products
1000 class clean room



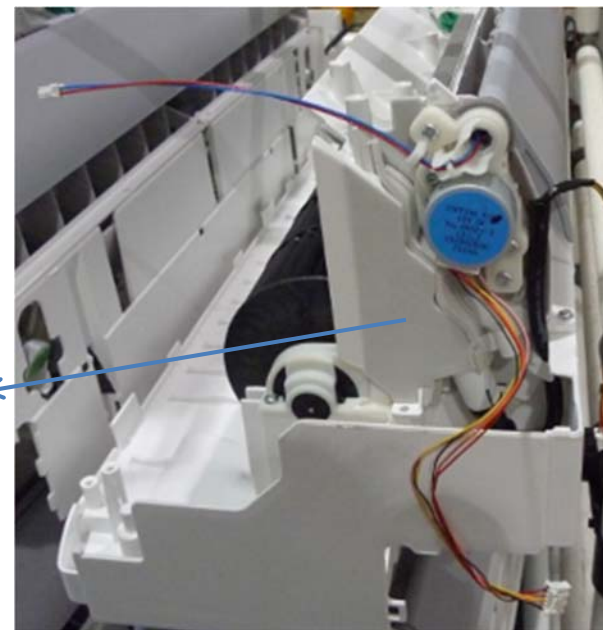
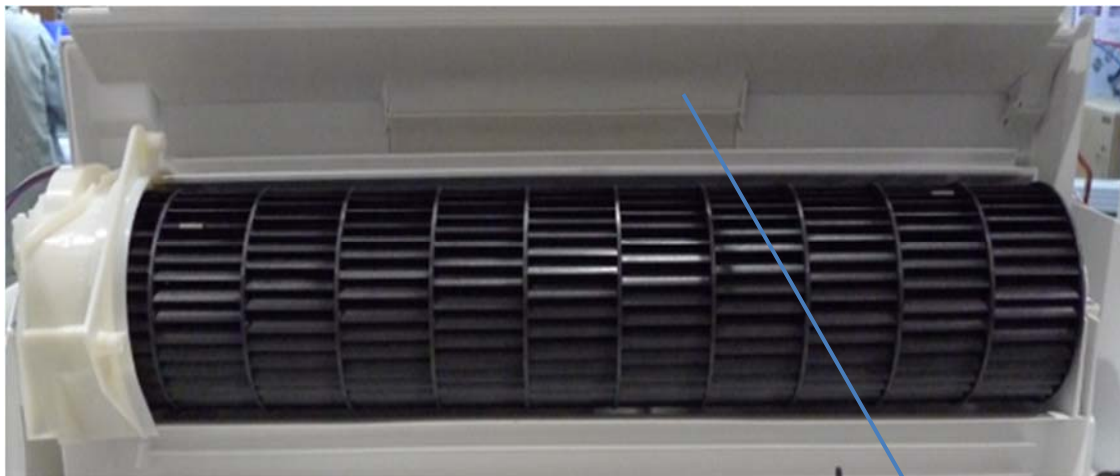
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吸音，隔热类产品
**Sound insulation and
Thermal insulation
products**



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The application of Flexible foam 软质发泡材料应用



Shock
absorption
减震

Seal
密封

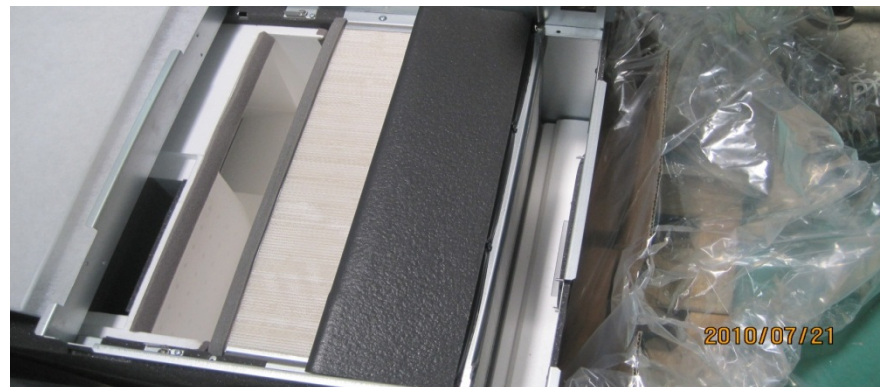


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Products appliances 产品应用



Filter 过滤网



Sound absorption 吸音



Sound insulation 引擎罩吸音棉



Preserve Heat 保温



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Product for Auto 产品应用/汽车



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Products appliances 产品应用



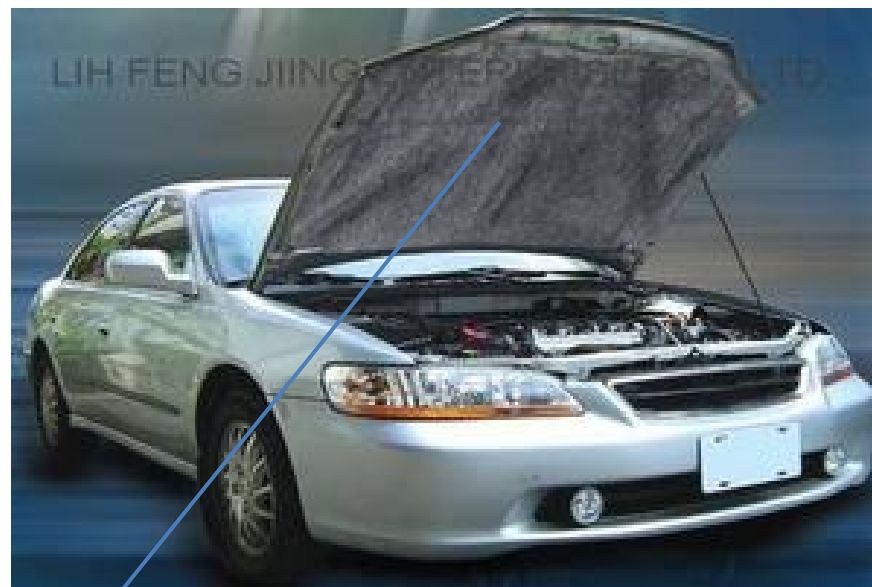
Shock absorption 缓冲



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Product for Auto 产品应用/汽车

Inside the door
门板内部

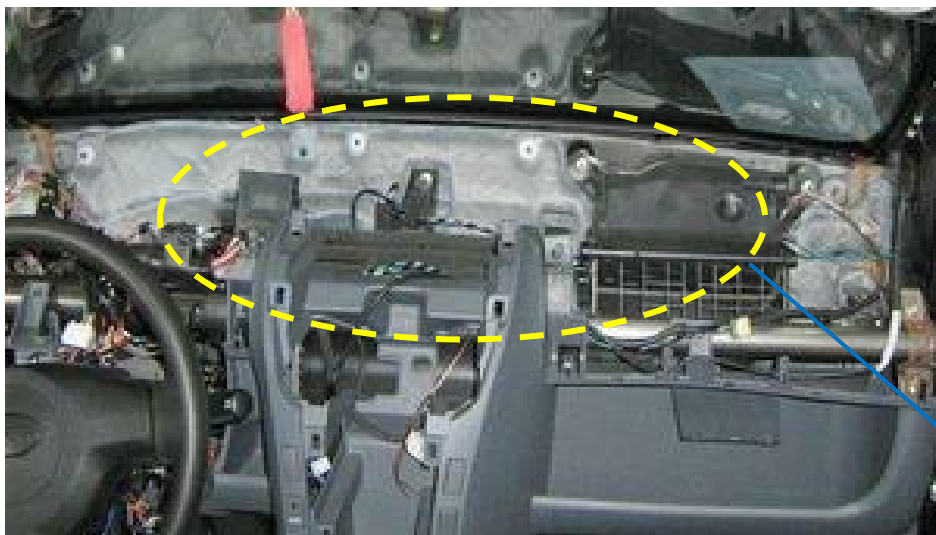


Sound absorption
吸音



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Fire wall 防火墙



Melamine + Aluminum foil for heat insulation and shock absorption

三聚氰胺+铝箔，隔热，吸音



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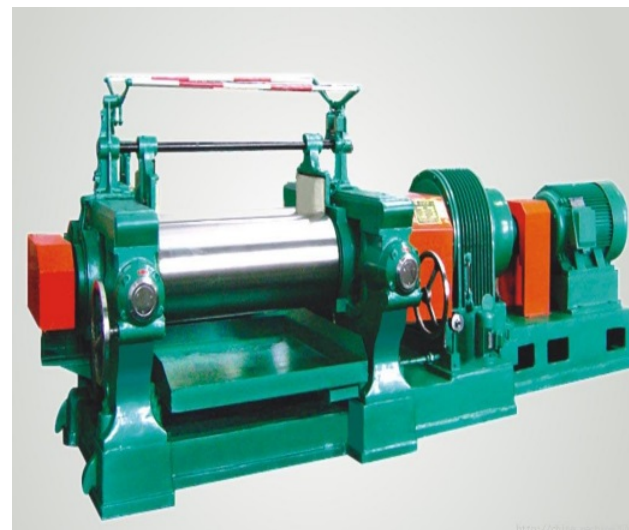
橡胶产品
Rubber



Equipment of Rubber production 橡胶模压产品



硅胶捏合机 Silicon kneader



橡胶开炼 Rubber Mill



冷冻修边 Frozen trimming



橡胶密炼 Internal mixer



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Equipment of Rubber production 橡胶模压产品



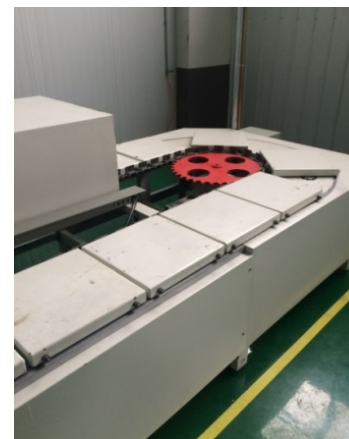
DESMA 橡胶注射机
Inject machine



橡胶硫化模压机
Mould Pressing machine



PU注射机 PU Inject machine



加热烘道 Heating oven



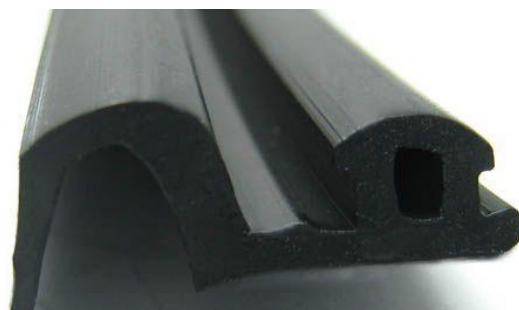
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The application of Flexible foam-shock absorption 软质发泡材料应用-减震



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The application of Rubber- sealing 橡胶模压产品应用-密封



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The application of Rubber- sealing 橡胶模压产品应用-密封



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Equipment of Rubber production 橡胶模压产品



橡胶自动检测仪
Auto-detection Instrument



高温试验箱
high temperature
test chamber



拉力仪 high temperature test chamber

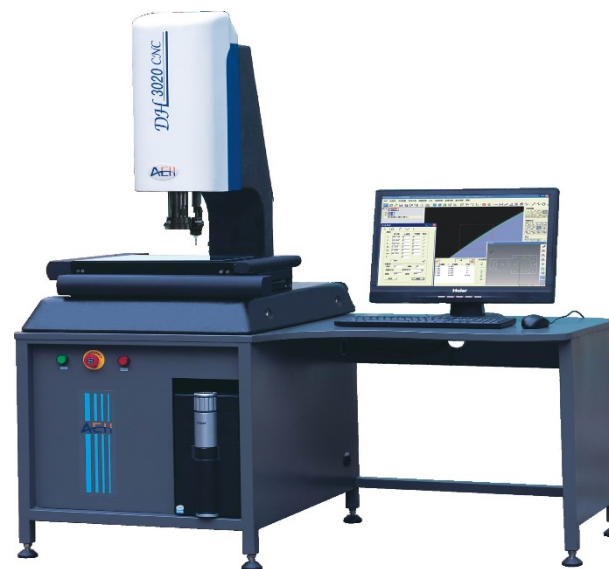


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Equipment of Rubber production 橡胶模压产品



硬度测量仪 Hardness Tester



二次元测量仪
Two dimensional measuring
instrument



拉力测量仪 Tensile Tester





*Thank
you*