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## 企业简介 ENTERPRISE BRIEF INTRODUCTION



**Demine group** is specialized in R&D,application and further processing of polycarbonate series products. Our group concludes 5 wholly owned subsidiaries,such as Suzhou Demine Plastic Co.,Ltd, Demine Plastic(Shanghai)Co.,Ltd,Tianjin Demine Plastic Products Co,Ltd, Demine Plastic Suzhou Branch, Jiangsu Demine New Material Co.,Ltd,etc. Our group has occupied 20, 000 m<sup>2</sup>. With more than 100 equipments, our annual production capability amounts to over 10,000tons. We devote our professional and humanized service to international and domestic customers. We own our brand as DEMINE® and ZHIDI®. We introduce complete modern coextrusion line and with the advantage of using Panlite PC resin from Teijin, Lexan PC resin from Sabic Innovation, and Makrolon resin from Bayer,can provide large ranges of polycarbonate, such as polycarbonate solid sheet, polycarbonate film, Frosted sheet, Diffusion sheet, Embossed sheet, Static dissipative sheet, Hardness coated sheet, Fluorescent sheet, Anti-glare sheet, Polycarbonate sound barrier sheet, etc.Besides, we also have General purpose

sheet, Optical grade polycarbonate, Flame retardant sheet, Anti-UV sheet (Weatherability resistant), Machine grade, etc.

Furthermore, with a full series of advanced and professional processing equipment such as: High precision CNC machining center, Laser cutting machines, Precision engraving machines, Silkscreen printing machines, Constant temperature and humidity heat chambers, Ultrasonic welding machines,Polishing machines, Cool and hot bending machines, Saw cutting machines, Milling machines, drilling machines,Edge trimmers, etc.

Equipment per ISO 9001:2008 and AS9100 authentication. We can provide varies of custom made plastic secondary operation services, Besides, processing on giving materials is also accepted.

**Capabilities:** We Exceed Your Expectations If your requirement is for a prototype build, short run, or high-volume OEM production, we offer the flexibility to support your most dynamic requirements. We understand that customers can't which is why our philosophy is built around fast turnaround, unmatched Precision and Plastics Knowledge.





## 企业发展 BUSINESS DEVELOPMENT

迪迈是专业精于PC系列产品研发、应用及深加工于一体的集团公司。集团旗下有苏州迪迈塑胶有限公司，迪迈塑胶（上海）有限公司，天津迪迈塑胶制品有限公司，迪迈塑胶苏州分公司，江苏迪迈新材料有限公司等5家全资子公司。经过多年发展，公司占地面积逾20000平方米，生产及加工设备百余台，年产能达10000多吨。我们致力于为国际国内客户提供专业化和人性化服务。我们拥有自主品牌迪迈®和智迪®。公司引进先进的挤出生产线，采用帝人公司Panlite，沙伯基础创新Lexan，以及拜耳公司Makrolon等优质粒子作为基材，供应各种PC系列产品，诸如：耐力板，片材，磨砂板，扩散板，颗粒板，防静电板，加硬板，荧光板，防眩光板，声屏障专用板等；分为通用级，光学级，阻燃级，抗紫外线（耐候）级，机械级等。

此外，我司还拥有各种先进专业的加工设备：

CNC、激光机、精雕机、丝网印刷机、恒温恒湿烘干设备、超声波焊接机、抛光机、冷热折弯机、裁切机、铣床、钻床、修边机等。

通过了ISO9001：2008以及AS9100认证。可根据客户（图纸）要求，提供各种塑料板材的二次成型加工服务，此外，我们也提供来料加工服务。

**生产能力：**我们所做的都要超过您的预期。不论您的要求是快速模型的建立，小批量/大批量的OEM贴牌生产，我们都会根据您的要求灵活应对，我们能够理解客户的心理，因此我们的原则就是“精”“细”“快”。



## 企业证书 ENTERPRISE QUALIFICATION



## PC 特性 PC CHARACTERISTICS

Our processing parts are widely applied in many fields such as Aerospace, Train, Auto and Ship manufacture Machinery, Plastic mould, Machinery enclosure, Hardware, Decorative Lighting, Clock&Watch, Plastic electronics, Medical,Printing and Packing, Vac-Form and silvered mirror, Electrical appliance, physical facilities, Communication facilities, Transportation system, authentication for our.

Products include ISO9001,ISO14001,ROHS,SGS,UL94,TUV,BS6853,etc.

加工产品已广泛应用于飞机, 火车, 汽车, 轮船制造业机械, 塑料模具, 机箱, 五金灯饰, 钟表, 塑胶电子, 医疗, 包装印刷, 吸塑镀膜, 电器, 体育设备, 通讯, 运输等。

产品已通过了ISO9001,ISO14001,ROHS,SGS,UL94,TUV,BS6853等国际权威部门认证。



## 耐冲击性 IMPACT RESISTANCE

The impact rate of polycarbonate board is max 3kg/cm. The impact strength of polycarbonate board is 250- 300 times as common glass, is 20- 30 times as acrylic sheets, is 2 times as toughened glass. And it's almost no fracture risk. Falling the hammer with 3kg and two meters above it, there is no crack. So it enjoyed the reputation of "safety glass" and "ringsteel". Over its lifecycle, this results in a significant reduction in maintenance cost and liability risk versus that of other glazing materials.



耐力板的冲击力最大可达到3kg/cm，PC耐力板的冲击强度是普通玻璃的250-300倍，是亚克力板材的20-30倍，是钢化玻璃的2倍，几乎没有断裂的危险性。用3kg锤两米坠下也无裂痕，有“防弹玻璃”和“响钢”的美称。在整个使用周期中，它的这些特性较其他车窗玻璃材料而言，大大降低了维修成本和责任风险。



## 耐候性 WEATHERABILITY

The surface is with anti-ultraviolet co-extrude layer, which can avoid yellowing. Surface co-extrude layer has chemical bond which can absorb ultraviolet radiation and translate it into visible light, which effect plant photosynthesis stabilization, It keeps all the physical index stability from -30°C to 120°C s. In 6000 hours climate aging test, yellowing rate shows only 2, and light transmittance value decreases only 0.6 percent. It will not cause deformation or quality reduction. Polycarbonate board will neither be brittle in - 30°C, nor be softened in 137.3°C. Its mechanics and mechanical properties are not obviously changed in hostile environments.

表面有防紫外线的共挤层，可防止太阳光紫外线引起的树脂疲劳变黄。表面共挤层具有化学键吸收紫外线并转化为可见光，对植物光合作用有良好的稳定效果。在-30°C至120°C范围保持各项物理指标的稳定性。人工气候老化试验6000小时，黄变度为2，透光率降低值仅0.6%。不会引起变形等品质劣化。PC板在-30°C时不发生冷脆，在137.3°C时不软化，在恶劣的环境中其力学，机械性能等均无明显变化。



## 耐燃性 RESISTANCE TO FLAMMABILITY

Polycarbonate board itself is not spontaneous combustion and have automatic quench. It is strictly in accordance with European Union ROHS instruction and UL safety standard, and UL94 fire retardance grades up to level VO, levelV2, level HB. The ignition temperature of polycarbonate is 580 °C., when removed from the fire source, it will be self-extinguished. It won't send out toxic gases, nor spread the fire when it's burning.

耐力板本身不自燃并具有自熄性。符合欧盟ROHS指令及严格的UL安全规范，UL94防火等级达到VO级、V2级、HB级。PC板自身燃点是580摄氏度，离火后自熄，燃烧时不会产生有毒气体，不会助长火势的蔓延。

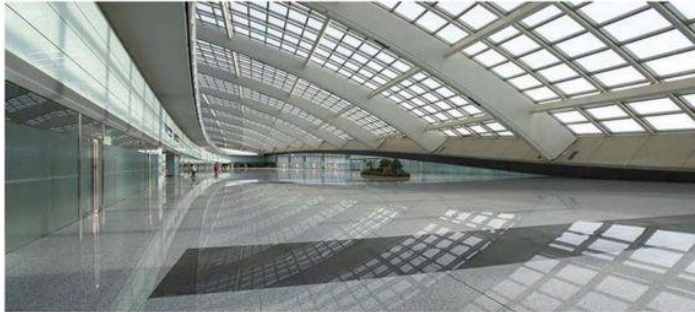




## 轻硬性 LIGHTNESS & RIGIDNESS

It's light, only half weight as the glass, and as 1/3 weight as acrylic board. Owing to good adaptability and safety, it's easy for handling, drilling and cutting. When installed, it's not breakable, with simple construction and easily for processing. Furthermore, it can be used to make components that are not only lighter than glass parts but also with better performance, thus saving much space.

重量轻，只有玻璃的一半，丙烯酸板的1/3，良好的适应性和安全性，便于搬运、钻孔、截断。安装时，不易断裂，施工加工简便。此外，该产品制成的零件，比同等尺寸的玻璃更轻，性能佳，因此可以节省空间。



## 可塑性 HIGH PLASTICITY

It can be cold bending formed, easily installed on arched and hemicycle roof or windows according to drawings. Minimal bending radius is 175 times as board thickness and it can be also hot bending formed.

可依设计图在工地现场采用冷弯方式，安装成拱形，半圆形顶和窗。最小弯曲半径为采用板厚度的175倍，亦可热弯。



## 隔音性 SOUND INSULATION

The effect of polycarbonate board sound insulation is obvious, it's more effective on sound insulation than glass board and acrylic board do with the same thickness. In the same conditions, the sound insulation rate of polycarbonate board is 3-4DB better, that is larger than glass. It is first choice material to be used in highway noise barriers in the world.

PC板隔音效果明显，比同等厚度的玻璃和亚克力板有更佳的音响绝缘性，在厚度相同的条件下，PC板的隔声量比玻璃提高3-4DB。在国际上是高速公路隔音屏障的首选材料。



## 环保节能性 ECO-FRIEND&ENERGY SAVING

It keeps building cool in summer, and it keeps them warm in winter. The thermal conductivity(K value) of polycarbonate board is less than common glass and other plastics. The effect of heat insulation is 7%-25% higher than glass with equal level. The rate of heat insulation is max 49%. Thus it can reduce heat loss greatly, suit for buildings with warm equipments, belongs to environmental protection material.

夏天保凉，冬天保温，PC板有更低于普通玻璃和其它塑料的热导率（K值），隔热效果比同等玻璃高7%-25%，隔热最高49%。从而使热量损失大大降低，用于有暖设备的建筑，属环保材料。



## 防结露 ANTI-FOG

When outdoor temperature is 0°C and indoor temperature is 23°C and indoor relative humidity is under 80%, the inside surface will not dew.

室外温度为0°C，室内温度为23°C，室内相对湿度低于80%时，材料的内表面不结露。



## PC 物性参数 POLYCARBONATE PROPERTIES DATA

Characteristics特征	Unit	Data	Data
Specific Gravity 密度	g/cm <sup>3</sup>		1.2
Light Transmission 透光率	%		90
Impact Strength 抗冲击强度	J/M		850
Flexural strength 弯曲强度	N/mm		2100
Tensile strength 拉伸强度	N/mm <sup>2</sup>		≥60
Modulus of Elasticity 弹性模量	Mpa		2400
Tensile stress at Break 断裂拉伸应力	Mpa		> 65
Elongation at Break 断裂伸长率	%		> 100
Flame resistance 阻燃性	UL94 standard		V0,V2,HB
UV resistance 抗紫外线性能	Micron		380
Specific Heat 比热	Kj/kg.k		1.17
Heat Conductivity 导热系数	W/m.k		0.2
Heat Deformation Temperature 热变形温度	°C		137.3
Coefficient of Thermal Expansion 热膨胀系数	mm/m.°C		0.063
Range of Temperature 温度范围	°C		-30 ~ +120
Effect of Soundproofing 隔音性	4.5mm Solid Sheets		Attenuate 20 db



## PC 板 (通用级) POLYCARBONATE SOLID SHEET (GENERAL PURPOSE SHEET)

GP general purpose polycarbonate sheet is a polished surface. UV stabilized polycarbonate product for use in glazing and industrial applications, and features outstanding impact strength and superior dimensional stability. Cost of polycarbonate is effective in a wide range of industrial glazing, design, and structural applications, and thermoformed and fabricated components.

通用级PC板表面光洁, 拥有稳定的抗紫外线性能, 用于幕墙以及工业领域, 耐冲击性强, 尺寸稳定。使其在幕墙, 设计, 建筑结构应用, 加工成型零部件等方面变得更经济。



## PC 片材 POLYCARBONATE FILM

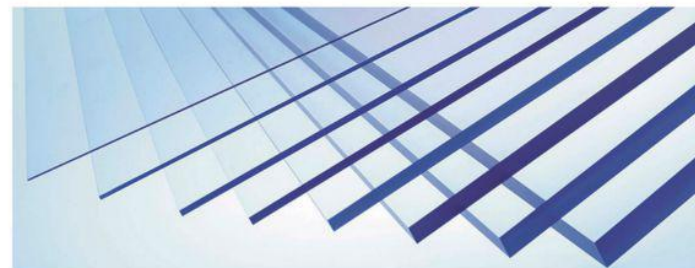
Polycarbonate film is a clear general purpose film from the thermoplastic polymer family. It can be easily thermoformed and molded.

Polycarbonate film is easy to die-cut and has excellent ink adhesion which makes it a good choice for various applications such as:

- Menu boards
- Touch panels
- Labels
- Nameplates
- Overlays

PC透明薄膜是高分子热塑性材料中的通用级薄片。这种薄膜可以很轻易的热成型和模塑。PC薄膜很容易进行模切, 并且对颜料的附着力极佳, 这让薄片在以下领域得到广泛运用, 如:

- 菜单板
- 触摸屏
- 标牌
- 铭牌
- 覆盖图



Our film development and manufacturing expertise enables us to contribute to solving your product and processing challenges. Our extensive portfolio of innovative film products has expanded to address numerous applications across many industries. We provide you with a variety of made-to-order solutions that utilize the highest quality resins. Our goal is to be your supplier of choice for all your polycarbonate products needs.

我司在产品上的研发和大量的投入开拓了产品在诸多工业领域的应用。我司采用最高质量的原料, 为您提供量身定制的解决方案。我们的目标是满足您所有PC产品的需求。

## 磨砂板 FROSTED SHEET

Our frosted sheet is a translucent, UV stabilized, Polycarbonate product with a matte textured surface on one side. This unique matte texture obscures vision and reduces glare. The product features outstanding impact strength, superior dimensional stability, and high temperature resistance.

我司的磨砂板是一款半透明，持久抗UV的产品，产品单面带磨砂纹理。这种独特的磨砂纹理带来了朦胧的视觉效果同时减少炫光。这款产品具有出色的抗冲击性能，出色的尺寸稳定性以及良好的耐温性。



## 扩散板 DIFFUSION SHEET

Our polycarbonate films have proven particularly well-suited for the area of light management. Our diffusion sheet is appreciated for its high transparency, its break-resistance and its heat deflection temperature of as much as 137.3°C. Classic applications include ad light box, troffer, back board, lamp shades and covers for ceiling lamps, reflectors for down lights and diffuser lenses for LED strips.

The global trend toward the energy-saving LED(light-emitting diode ) as a light source is opening up entirely new opportunities for our polycarbonate films. Because LED s do not generate as much heat as incandescent bulbs or gas-discharge lamps, components that once were the exclusive domain of glass due to the high luminaire temperatures can now be produced with polycarbonate. We have therefore assembled a broad range of light management films under the our product, which we are continually expanding in close collaboration with our partners in the lighting industry. In addition to LED lighting applications, our films also have a promising future in light management as diffuser films in liquid crystal displays(LCD).



我司PC光扩散板被证明非常适合光源控制，因为它的高透光率，抗冲击，热变形温度高达137.3摄氏度。所以普遍应用于广告灯箱，平板灯，背板，灯罩，天花板灯外壳，筒灯反射镜以及LED管灯灯罩。

全球趋势正趋向于节能LED（发光二极管）光源，这给我们的PC片材带来了全新的机会。因为LED灯不会产生像白炽灯或气体放电灯那样产生很多热量，曾经一家独大的玻璃制品灯配件，因为发热量高，现在渐渐被PC取代。因此我司开发了一款新产品，它可以宽范围的管理光源，新产品让我们和灯具行业的合作伙伴促成了更紧密的联系。除了在LED灯具上的应用，我们的扩散板在未来的LCD应用上前景广阔。





## PC 颗粒板 PC EMBOSSED SHEET

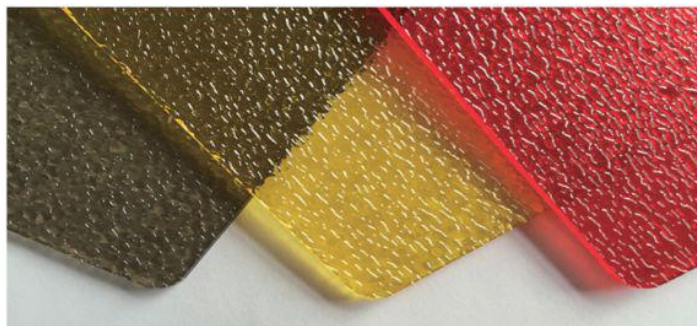
Surface of PC embossed sheet enhance the toughness, and it also reflect glare which is direct irradiation on the street, disperse reflected light, and reduce light pollution. Surface looks graceful appearance and it can resist scratching. It is particularly suitable for various kinds of designs.

**Application:** LED display, decoration material, daylighting, wall partition, byobu, roof, ceiling, shower room, etc. It is the best substitute of glass.

PC颗粒板是在通用型耐力板生产技术的基础上，表面经过特殊工艺处理的PC板材，除保持PC原有特性外具有更强的装饰性，透光不透影。根据表面颗粒面的不同分为磨砂板，钻石纹颗粒板，荔枝纹颗粒板，水滴纹颗粒板，棱镜纹颗粒板。

**主要应用范围：**LED电子显示屏、装潢、采光、隔断、屏风、各类天棚、吊顶、淋浴房、整体浴室隔断、洗手间门等各种要求不反光器材表面、各种要求雾面效果器材表面，是代替玻璃的最优、最安全的新材料。

**产品最大特性：**半透光、散光、耐刮花、重量轻、安全。

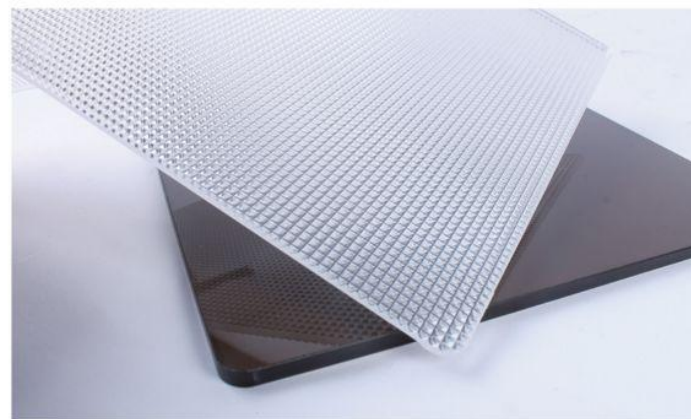
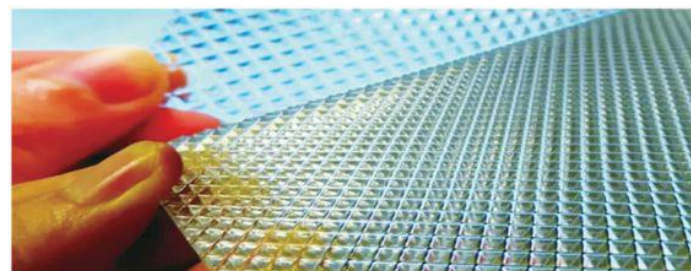


## PC 棱镜板 PRISMATIC PC SHEET

Prismatic sheet is a translucent, UV stabilized, polycarbonate product with a prismatic texture on one side. This prismatic pattern has been optimized for light diffusion and light transmission, making it an excellent choice for most conventional lighting applications. Polycarbonate textured sheets are designed to accommodate a broad range of Ad lightbox, LED lampshade, outdoor billboard, skylight panel and ceiling, partition wall applications.

板材通过表面凹凸的菱晶纹,将光源进行一定角度的折射、衍射、能有效将LED点光源转化成面光源,全新的设计,亮度更高,更精密,同时减少眩光。

**应用领域：**广告灯箱，LED灯罩，户外广告牌，天棚采光，吊顶，隔断，屏风





## 防静电板 POLYCARBONATE ANTI-STATIC SHEET

**Surface resistivity:**  $1.0E+6 \sim 1.0E+9\Omega$ . Hard surface and excellent chemical resistant performance.  
**Applicance:** Auto parts, electric enclosure, electric accessories, dust-free workshop, partition wall, glazing, etc.

表面电阻率:  $1.0E+6 \sim 1.0E+9\Omega$ 。表面硬度高, 有优异的耐化学腐蚀性能。  
 用途: 汽车配件、电器外壳、电子零配件, 无尘车间, 隔断, 门窗。



## 加硬板 AR SERIES (ABRASION RESISTANT)

AR abrasion resistant polycarbonate sheet offers higher abrasion resistance and surface hardness to Polycarbonate's inherent performance benefits of impact, strength and clarity. AR abrasion resistant polycarbonate sheet offers protection against chemical and UV attack. Applications include new construction and replacement curtain wall, medical, mobile phone screen, electronics and electric appliance bus shelters, and anywhere flat glazing applications require abrasion resistant materials.

加硬PC板将耐磨性和表面硬度高同聚碳酸酯本身具有的耐冲击性和高透光率融合在一起。我司PC板加硬板可以耐化学腐蚀和紫外线辐射。应用范围包括: 幕墙, 医疗设备的新建和替换, 手机屏幕, 电子, 电器行业公交候车亭以及所有需要PC加硬板的地方。



## 食品级 PC 板 FOOD GRADE PC SHEET

Polycarbonate is a kind of polymer containing carbonate gene in the molecular chain. It is widely used in plastic containers and can be in direct contact with food and is a safe material.

由于聚碳酸酯是在分子链中包含碳酸酯基因的高分子聚合物，广泛应用于塑料容器制作，可与食物直接接触，属安全材质。



## 防眩光 PC 板 ANTI GLARE PC SHEET

Anti glare PC sheet combines good tensile strength, light transmission, anti glare, anti-scratch and anti-abrasion features, coupling with outstanding formability and impact strength.

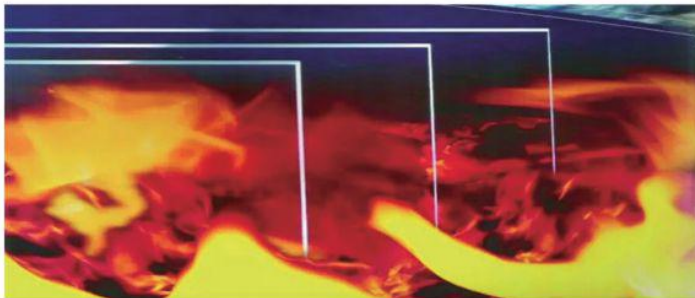
可以降低光的干扰，提高显示画面的角度和亮度，减少屏幕反射，让图像更清晰，色彩更绚丽。



## 阻燃级 PC 板 FLAME RETARDANT GRADE PC SHEET

Low flammability polycarbonate sheet is a flame inhibiting UV stable polycarbonate sheet. It meets the stringent UL94 V-0, V-2, HB rating as well as BS6853. Applications include interior aircraft components, high speed railway, metro, auto industry, LED lights, membrane switch, electrical devices, thermoformed equipment housings, and other current-carrying components.

该系列PC板具有阻燃性，稳定的抗UV性能。符合严格的UL94安全规范。阻燃级别达到UL94-V0级别。应用材料及制品达到对着火危险可接受的控制范围当所有应用材料表面暴露于货源时，热量、烟雾及毒气总量达到可接受控制的等级。所有作为阻燃应用材料或者制品，以及暴露于火源时要求发挥作用的材料及物品，达到可接受的要求。应用包括飞机零部件，高铁，地铁，汽车，LED灯具，薄膜开关，电子，热成型，设备外壳以及其他载流部件。



## 光学级 PC 板 OPTICAL GRADE PC SHEET

OP polycarbonate sheet is an optically clear, polished surface, UV stabilized material for use in premium visual applications. Applications include electronic manufacture, electric appliance, aerospace manufacture and auto manufacture, recreational vehicular glazing, etc.

光学级PC板是透光率高，表面光滑，具有稳定的抗UV性能的材料，用于需要高要求视觉效果领域。我司光学级PC板应用范围包括：电子制造，电器，航空制造，汽车制造，造观光车视窗等。





## UV 级 (防紫外线, 抗老化) ANTI-UV SHEET

This polycarbonate sheet is an enhanced UV-resistant sheet with exceptional weatherability and superior impact strength. Available in clear as well as a variety of colors, UV is the perfect choice for architectural applications like partition wall, sound barrier and where extended service life and resistance to color shift is required. Our polycarbonate sheet is easily thermoformed, fabricated, and decorated.

该系列PC板经过抗UV处理的板材, 拥有极佳的耐候性和良好的抗冲击性能。有透明色以及多种颜色可选, 抗UV级PC板在隔断, 声屏障和需要延长使用寿命以及有防褪色要求的建筑应用中, 是最好的选择。



## 机械级 (耐磨) MACHINE GRADE

MG machine grade polycarbonate engineering plate is a low stress polycarbonate ideally suited for heavily fabricated, tight tolerance parts. It features extremely high impact strength, high modulus of elasticity, outstanding dimensional stability, and good electrical properties. Machine grade polycarbonate plate has a heat deflection temperature of 270°F (137.3°C) at 264 psi. Applications include machine cover, machine security guard, and other industrial applications.

机械级PC工程塑料板是一款低应力材料, 适合批量, 误差要求高的加工产品。该产品的特点是耐冲击强度非常高, 弹性模量大, 卓越的尺寸稳定性以及优异的电子性能。机械级PC板在264psi气压下, 热变形温度是270华氏温度(137.3摄氏度)应用包括机器挡板, 机器防护罩, 以及其他工业应用。



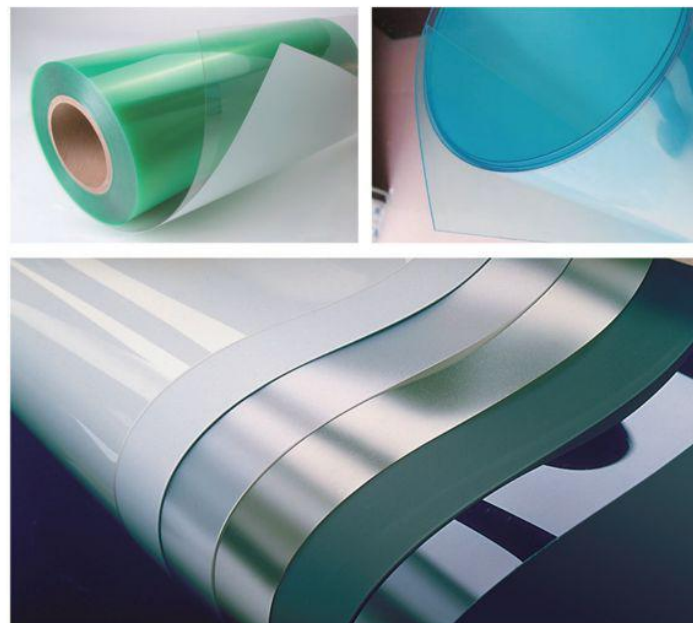
## 防雾 PC 板 ANTI-FOG PC BOARD

Anti-fogging coating technology is to use anti-fogging solution to drench the board, so as to reduce the contact angle between the water drops and the surface of the board to disperse evenly, and to flatten the water drops into a thin and transparent water film, so that the light can pass through the lens more easily, thus, the vision of the medical staff wearing mask and goggles is not affected by fog. ANTI-FOG PC board Dimai PC board anti-fog layer processing

防雾涂层技术是利用防雾原液淋涂在板材上，从而减小了水滴与板面的接触角度分散均匀，将水滴变平，成为一层薄而透明的水膜，使光线更容易透过镜片，从而使佩戴面罩货护目镜的医护人员的视觉不雾气影响。



## PC 卷材 PC COIL



## PC 定制 PC CUSTOMIZATION



## PC 板材加工 PLASTIC PANEL CUT TO SIZE

We can cut-to-size for linears, angles, contours, hole placement, etc. We offer a complete and fast Cut-To-Size service for plastic sheet, rod, tube and profile - all cut with high precision at our state of the art facility. Demine plastic will so the work for you according to your requirement.

**The Best in the Business:** Our CNC operators are not simply machinists, they are seasoned professionals working in our advanced ISO9001:2008 and AS9100:2009 certified manufacturing facility. Our skilled specialists and programmers precisely transform engineering plastics and laminate designs into your finished products. We use the most advanced technology available for enhanced manufacturing versatility and statistical process control for greater efficiency and accuracy.

我司能根据图纸，做线性，角度，异性，定位孔定尺加工等。我司拥有现代化的裁切设备，能快速精确的为您做板材定尺裁切加工。尽力满足您的要求，为您服务！

**行业领导者：**我们的CNC操作员不仅仅是简单的机械师，他们同时对我司先进的制造设备掌握着丰富专业的工作经验，这些设备都通过了ISO9001：2008以及AS9100：2009认证。我们的专家和程序员能把工程塑料精准的加工成您要的产品。我们运用掌握的最先进的技术来提升多功能制造以及统计制程控制，并以此来实现更高效，更精确。



## PC 板热成型、折弯和粘接 PC SHEET METAL THERMOFORMING, BENDING, BONDING

Did you know that Demine plastic can provide a low cost option for easily shaping your project with limitless bends, radii, and curves? Through our forming process we can provide lower mold costs, shorter lead times, design flexibility, and even the ability to accommodate large-scale parts. Demine Plastic also provides other secondary value-added options such as welding, bending, and bonding, so we can easily customize covers, panels, enclosures, housings, and any curvature required to meet your exact specifications.

能以比较低廉的成本，通过无限制的折弯，倒R角，圆弧来完成您要的形状。如果您选择我们，我们可以为您省下一些模具费，交期快，灵活设计，也能生产大尺寸的产品。此外，我司还能提供其他的高性价比的加工例如：焊接，折弯和粘接，因为我们可以很轻松的为客户提供定制罩壳，面板，机箱，防护罩等以满足您高精度的要求。





## PC 丝网印刷和 UV 打印 POLYCARBONATE SILKSCREEN PRINTING & UV PRINTING

Silkscreen printing polycarbonate panel, the technology consists of front printing and back printing, has many advantages such as water-proof, anti-dust, abrasion resistant, colorfast, easily installation etc, it can be also easily surface cleaned by applied on household appliance(eg.wahser, microwave oven, cooker hoods, etc),electronic products, keyboard, instrument panel, medical equipment, switch panel, communication equipment, industrial controllers etc.It fundamentally offsets the deficiency of aluminum panel and other materials, and has become one of the most ideal new materials mow.

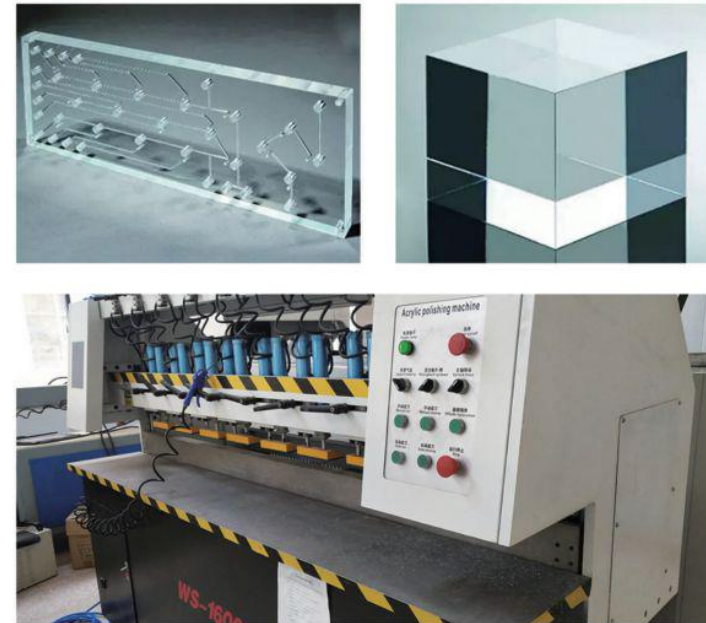
PC (聚碳酸酯) 丝网印刷面板, 印刷工艺可分为正面印刷和反面印刷。不仅具有防水、防尘耐摩擦、不褪色、易于美化装饰安装的特点, 还可直接在面板表面用水、汽油、酒精洗涤污垢, 图案不受影响。广泛用于家用电器 (洗衣机、微波炉、油烟机) 、电子产品、电脑键盘 (如: 学习机、笔记本、收银机、移动电话、遥控器键盘) 、仪器仪表、医疗设备开关面板、通讯设备、工控设备及一切采用微电脑控制的设备的整机操作系统等, 从根本上改变了铝面板和其它传统面板材料的缺陷, 成为现代最理想的新型面板之一。



## 钻石抛光 DIAMOND POLISHING

**Machine Plastic Polishing** utilizes specialty tooling to produce polished finishes directly from a machine tool. Our most technical method, compared with vapor polishing and buffing, the process is efficient and low cost accordingly. The disadvantage is the round corner can't be polished.

**钻石抛光**是在机床上用专业抛光刀具直接抛光, 相比火焰和布轮抛光, 这种加工方法加工效率要高出数十倍, 成本相对应要降低很多。缺点是不能做圆弧抛光。



## PC 加工件在轨道交通中的应用 APPLICATION OF PC COMPONENTS IN RAIL TRANSIT

### DEMIINE 系列—高速动车组

- |                  |            |
|------------------|------------|
| 01. 圆头显示屏        | 07. 广告框    |
| 02. 行李架          | 08. 客室侧窗   |
| 03. 座椅显示         | 09. 控制车墙壁墙 |
| 04. 照明系统 (灯罩、灯带) | 10. 客室端门   |
| 05. 电器柜保护罩       | 11. 卫生间镜面  |
| 06. 安全锤保护罩       | 12. 餐桌板    |



Product introduction: 01—High-speed motor car—Round head display

### 产品介绍:

01—高速动车组—圆头显示屏

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F 负重1000g 1000转	小于等于8
阻燃	GB/T 3237-2010	氧指数大于等于32, 燃烧级A级烟, 密度和毒性满足表3和表4要求
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



Product introduction : 02—High-speed motor car—Luggage rack

### 产品介绍：

02—高速动车组—行李架

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
低温冲击强度	8.0mm厚度 零下40℃	大于等于14KJ/m <sup>2</sup>
抗压性能	UIC566-1990	在PC板上每米承受6.58kp的载荷，PC板无永久变形和破坏
阻燃	GB/T 3237-2010	氧指数大于等于32，燃烧级A级烟，密度和毒性满足表3和表4要求
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



Product introduction: 03—High-speed motor car—Seat display

### 产品介绍：

03—高速动车组—座椅显示

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F 负重1000g 1000转	小于等于8
阻燃	GB/T 3237-2010	氧指数大于等于32，燃烧级A级烟，密度和毒性满足表3和表4要求
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	





**Product introduction :** 04—High-speed motor car—Lighting System (Lampshade, strip)

**产品介绍：**

04—高速动车组—照明系统（灯罩、灯带）

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm³
透光率	ASTM D1003-13	大于等于60
光老化测试	ISO 4892-3:2016 1000小时	小于等于4
阻燃	EN 45545-2:2013+A1:2015	R23 HL2
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



**Product introduction :** 05—High-speed motor car—Electrical Cabinet Protective Cover

**产品介绍：**

05—高速动车组—电器柜保护罩

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm³
Taber耐磨	轮子型号:CS-10 F 负重1000g 1000转	小于等于8
阻燃	BS 6853	BS476-7 1级
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



**Product introduction:** 06—High-speed motor car—Safety Hammer Protective Cover

**产品介绍:**

06—高速动车组—安全锤保护罩

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
阻燃	GB/T 3237-2010	氧指数大于等于32, 燃烧级A级烟, 密度和毒性满足表3和表4要求
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



**Product introduction:** 07—High-speed motor car—Advertising frame

**产品介绍:**

07—高速动车组—广告框

项目	检测方法	指标要求
密度	ISO 1183-1:2012	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F 负重1000g 1000转	小于等于8
阻燃	GB/T 3237-2010	氧指数大于等于32, 燃烧级A级烟, 密度和毒性满足表3和表4要求
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
低温冲击强度	8.0mm厚度 零下40℃	大于等于14KJ/m <sup>2</sup>
禁限/物质	Q/CRRCJ26	



**Product introduction :** 08—High-speed motor car—Side window of living room

**产品介绍：**

08—高速动车组—客室侧窗

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F负重1000g 1000转	小于等于8
阻燃	EN 45545-2:2013+A1:2015	R1 HL1
缺口冲击强度	ISO 180:2000/Amd.2: 2013	大于60%
光老化测试	ISO 4892-3:2016 1000小时	小于4%
隔声	GB/T 19889.3-2005 GB/T 50121-2005	大于等于28dB
禁限/物质	Q/CRRCJ26	



**Product introduction :** 09—High-speed motor car—Control Shop Walls

**产品介绍：**

09—高速动车组—控制车侧壁

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F 负重1000g 1000转	小于等于8
阻燃	EN 45545-2:2013+A1:2015	R23 HL2
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	





**Product introduction :** 10—High-speed motor car—Sitting Room End Door

**产品介绍：**

10—高速动车组—客室端门

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F负重1000g 1000转	小于等于8
阻燃	EN 45545-2:2013+A1:2015	S4
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
抗压性能	UIC566-1990	在PC板上每米承受6.58kp的载荷, PC板无永久变形和破坏
禁限/物质	Q/CRRCJ26	



**Product introduction :** 11—High-speed motor car—Bathroom Mirror

**产品介绍：**

11—高速动车组—卫生间镜面

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F 负重1000g 1000转	小于等于8
阻燃	GB/T 3237-2010	氧指数大于等于32, 燃烧级A级烟, 密度和毒性满足表3和表4要求
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



Product introduction : 12—High-speed motor car—Dining table Plate

#### 产品介绍：

12—高速动车组—餐桌板

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm³
阻燃	BS 6853	BS476-7 1级
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



## PC 加工件在轨道交通中的应用 APPLICATION OF PC COMPONENTS IN RAIL TRANSIT

### ZHIDI 系列—城铁

- 01. 地铁挡风屏
- 02. PIS 系统显示
- 03. 安全锤保护罩
- 04. 广告框
- 05. 地铁中顶主题展示 (激光打印)
- 06. 照明系统 (灯罩、灯带)
- 07. 客室侧窗
- 08. 紧急制动保护罩



Product introduction : 01—City Rail—Subways Windscreen

产品介绍：

01—城铁—地铁挡风屏

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm³
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F负重1000g 1000转	小于等于8
阻燃	EN 45545-2:2013+A1:2015	R1 HL1
低温冲击强度	8.0mm厚度 零下40℃	大于等于14KJ/m²
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	

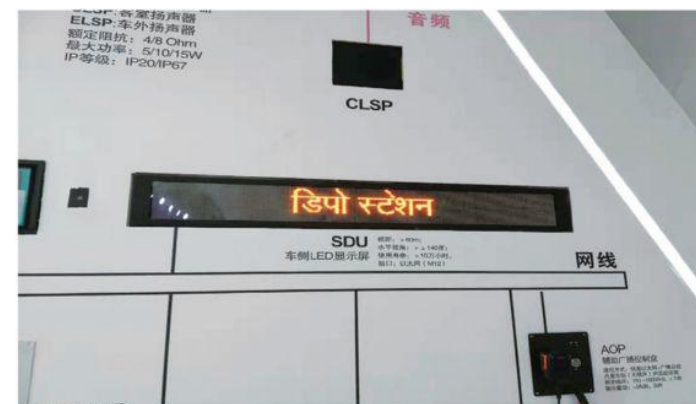


Product introduction : 02—City Rai—PIS System display

产品介绍：

02—城铁—PIS 系统显示

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm³
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F 负重1000g 1000转	小于等于8
阻燃	GB/T 3237-2010	氧指数大于等于32, 燃烧级A级烟, 密度和毒性满足表3和表4要求
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	





**Product introduction :** 03—City Rail— Safety Hammer Protective Cover

**产品介绍：**

03—城铁—安全锤保护罩

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
阻燃	GB/T 3237-2010	氧指数大于等于32，燃烧级A级烟，密度和毒性满足表3和表4要求
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



**Product introduction :** 04—City Rai—Advertising frame

**产品介绍：**

04—城铁—广告框

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F 负重1000g 1000转	小于等于8
阻燃	DIN 5510-2:2009	S4
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



**Product introduction:** 05—City Rail—Subways Midpoint Theme Presentation  
(laser print)

**产品介绍:**

05—城铁—地铁中顶主题展示（激光打印）

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
阻燃	DIN 5510-2:2009	S4
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	

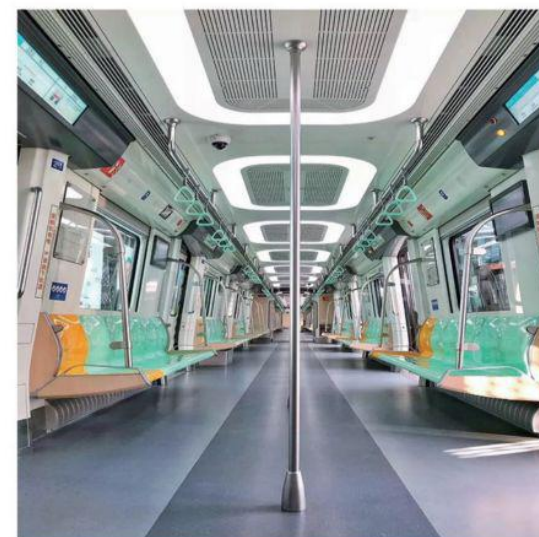


**Product introduction:** 06—City Rail—Lighting System (Lamp Shade, Lamp Belt)

**产品介绍:**

06—城铁—照明系统（灯罩、灯带）

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
透光率	ASTM D1003-13	大于等于60
光老化测试	ISO 4892-3:2016 1000小时	小于等于4
阻燃	EN 45545-2:2013+A1:2015	R23 HL2
环保要求	TB/T3139-2006	甲醛释放量不大于1.5mg/L
禁限/物质	Q/CRRCJ26	



**Product introduction :** 07—City Rail— Sitting Room Side Window

**产品介绍：**

07—城铁—客室侧窗

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F负重1000g 1000转	小于等于8
阻燃	DIN 5510-2:2009	S4
缺口冲击强度	ISO 180:2000/Amd.2: 2013	大于60%
光老化测试	ISO 4892-3:2016 1000小时	小于4%
隔声	GB/T 19889.3-2005 GB/T 50121-2005	大于等于28dB
禁限/物质	Q/CRRCJ26	



**Product introduction :** 08—City Rai—Emergency Brake Shield

**产品介绍：**

08—城铁—紧急制动保护罩

项目	检测方法	指标要求
密度	ISO 1183-1:2012 方法A	约等于1.2g/cm <sup>3</sup>
硬度	1000g力	大于4H
Taber耐磨	轮子型号:CS-10 F负重1000g 1000转	小于等于8
阻燃	DIN 5510-2:2009	S4
缺口冲击强度	ISO 180:2000/Amd.2: 2013	大于60%
光老化测试	ISO 4892-3:2016 1000小时	小于4%
隔声	GB/T 19889.3-2005 GB/T 50121-2005	大于等于28dB
禁限/物质	Q/CRRCJ26	





### Conclusion:

Demine people are deeply aware that it is important to develop the polycarbonate panel further processing market and application. At the same time we have developed the relative market on flame resistance, light diffusion, anti-UV, blister electroplate mirror, screen printing, electronic appliances, auto manufacture, aerospace manufacture, which effectively fill up the blank of high-tech engineering polycarbonate demanded in domestic. We also provide plastics finishing service for complete turnkey products. We also provide secondary assembly services to keep your supply chain activities running smoothly and efficiently. We offer additional options for fabricated components to create value-added sub-assemblies and finished products.

Demine people always adhere to the concept of "quality first and invigorate company through best service" in past decades. And with strong technical strength high-quality talents, top class and efficient management we establish a good image of the enterprise.

We are looking forward to establishing a long term cooperation with you!

### 结语：

迪迈人深切意识到对板材深加工市场的开发和应用的的重要性，涉足并开发了阻燃、扩散、抗紫外线、吸塑镀膜、印刷、电子电器、汽车制造、航天制造等相关市场，有效填补了国内高精尖领域对PC工程塑料的需求空白。此外，我们还针对全套产品提供服务，同时我们也提供二次组装服务来保证您的供应链平稳高效的运转。我们为您提供丰富的加工方案，为您生产高附加值的产品。

迪迈人几十年来一直秉承“以质量为基础，以服务为宗旨”的理念，并以雄厚的技术力量、高素质的专业人才和一流高效的管理，树立了良好的企业形象。

期待共创美好的未来！

