



方园筛网

方园(安徽)智能装备有限责任公司
Fangyuan (Anhui) Intelligent Mining Equipment Co., Ltd.



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COMPANY SUMMARY

—— 企业简介



方园（安徽）智能装备有限责任公司经过二十多年的拼搏，已发展为国内集全球筛网品类齐全的生产企业。

方园坚持“诚信铸企业，科技铸精品”的发展战略，坚持自主研发和创新。自公司成立伊始，便创建了企业的研发中心，组建了科研团队，致力于开展“产、学、研”活动，并结合国家政策和公司自身发展需要，确立了定位，即重点研发聚氨酯应用技术领域内的新产品、新技术，推行自主研发，合作开发和引进消化吸收的技术来源战略。方园始终在筛网上做创新，没有高品质的筛网再先进的筛机也筛分不出各类物料，筛网才是筛分领域的核心。在材料配方、模具设计及加工工艺方面取得了良好的业绩：拥有多项国家发明专利、重点新产品、省科研成果、省科技创新等资质。

方园集团以强大的研发实力为后盾，突破世界四大品牌筛网生产技术：欧洲的CPU浇注筛网（TDI、MDI）浇注筛网（同时含橡胶冲孔筛网），日本的TPU热熔筛网，美国的聚氨酯精细筛网，南美的三角形筛网（帐篷网）。现已成为全球筛网品种齐全的供应商，拥有自营出口权。

方园始终围绕选矿产业链做文章，产品涵盖：多叠高频筛机，直线三角脱介脱水筛机，筛网，旋流器机组，超强耐磨衬板，旋转浇注大型包胶滚筒，地辊，洗砂机摩擦板，输送机缓冲床，各类托辊，刮板（含合金类），聚氨酯衬胶管道，聚脲喷涂防腐磁选机筒体包胶。

通过不断地推出新产品和高品质的服务，方园将不断提升其在国际选矿行业的影响力！方园筛网，中国荣耀，全球矿业，精选有我！

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Fangyuan (Anhui) Intelligent Mining Equipment Co.,Ltd. has experienced the development of 20 years and grown into a powerful manufacturing corporation which can produce various global screen meshes in China.

As a high and new technology corporation of China, We insist on the development strategy of "To develop the enterprise on trust, to make the products with technology", and insist on independent research and innovation. The research and the develop center and a scientific research has established since the foundation of the company. The corporation focus on the the integration of production, education and research. In accordance with the state policies and the requirements of corporation's own development, the corporation establish it's own industry orientation, that is focal emphasis on the development of new products and new technology in areas of polyurethane application technology, executing the technology source strategy of independence research, co-development, and new tech introduction. Fangyuan always keeps making precise innovation in screen meshes. No high quality mesh, no high-end screen machine can screen various kinds of mineral materials. The mesh is the core of the separation field. Outstanding achievements were acquired in material formula, mould design and processing technic, which include many national patents of innovation, national products, provincial accomplishments and civic and provincial sci-tech innovation.

Backed by its powerful research capability, Fangyuan achieves technical breakthrough in the four main global brands of screen consisting of European CPU (MDI, TDI) moulding screen (including rubber screen panel with punched holes), Japanese TPU screen reinforced with steel wire, American polyurethane fine screen, South American Triangle screen mesh. At present, the corporation has become the global comprehensive screen manufacturer who has the export right of production.

Fangyuan always focus on the mineral processing industry chains, the products include high frequency screen, screen panel, cyclone unit, hardwearing scaleboard, roating moulding large-scale rubber covered roll, friction board of sand washer, cushion plate of conveyor, varieties of carrier roller, scratch board (including alloy type), polyurethane lined pipes, magnetic separator cylinder covered with Polyurea spray for anticorrosion.

Through fulfilling its commitment to continually deliver innovative products and services, Fangyuan will enhance its global prestige in mineral processing. Fangyuan Screen, Glory of China, Global Mining, Beneficiation Expert!

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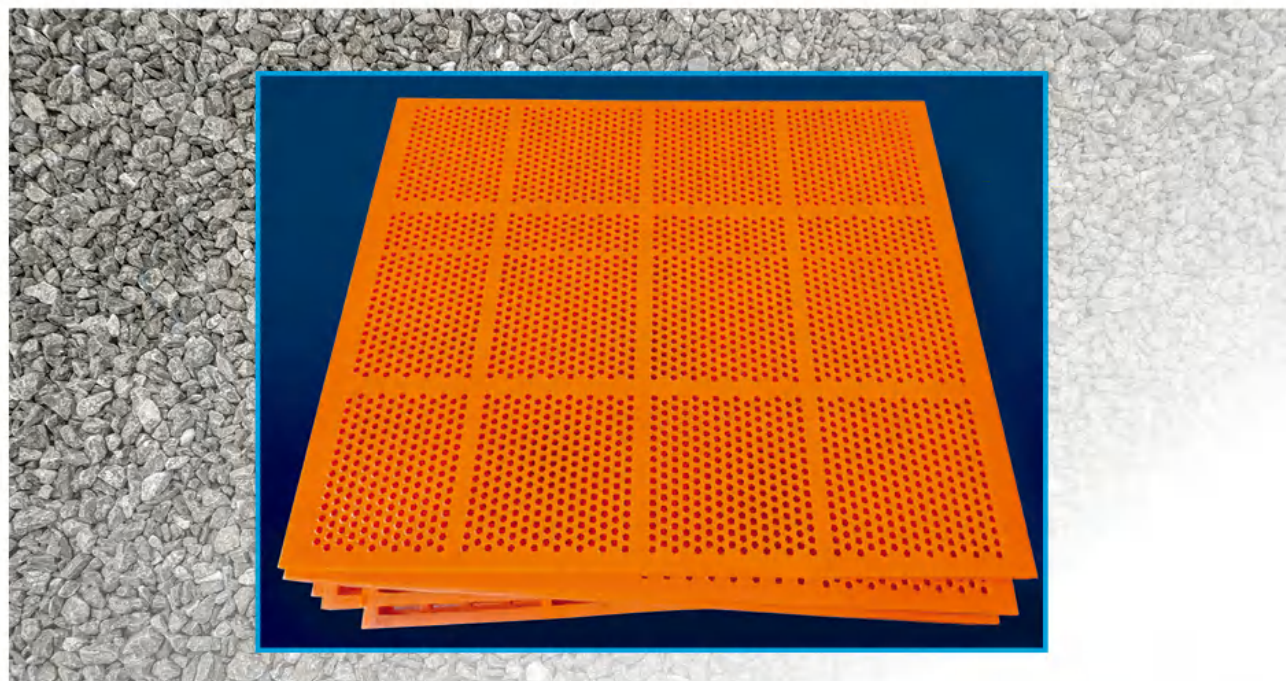
自方园建立伊始，我们的目标就是为客户提供可靠技术产品。年复一年的研究和创新，帮助客户在多种应用领域都能获得满意的成果。

Since the establishment of Fangyuan, our goal is "to provide customers with the Reliable technology and quality". Fangyuan devotes to the researches and innovations year by year to help customers to achieve the superior results in their application fields.



POLYURETHANE SCREEN PANEL

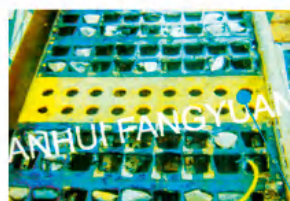
—— 聚氨酯筛板



钢制筛网使用效果 The Application of Steel Screen Panel



使用前 BEFORE



使用后 AFTER

方园筛网（黄色筛网）在香港石澳石矿与澳大利亚筛网同机试用比较

Fangyuan Screen Panel (The Yellow One) Used in Hongkong SHEK O QUARRY LIMITED Compared With Australian Screen Panels.

安徽方园筛网

方园筛网为圆孔，黄色MDI.白色为TDI。在香港和澳大利亚方孔筛网同时安装比质量寿命。

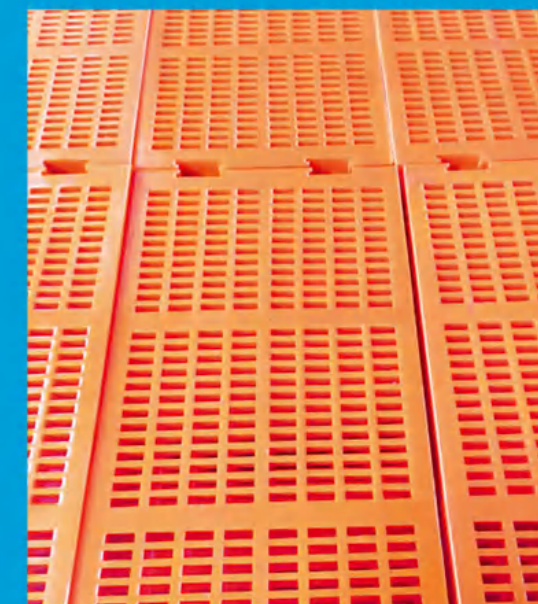
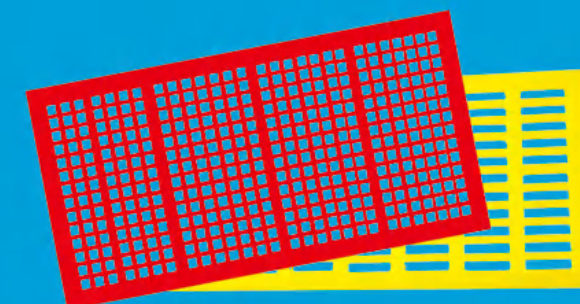
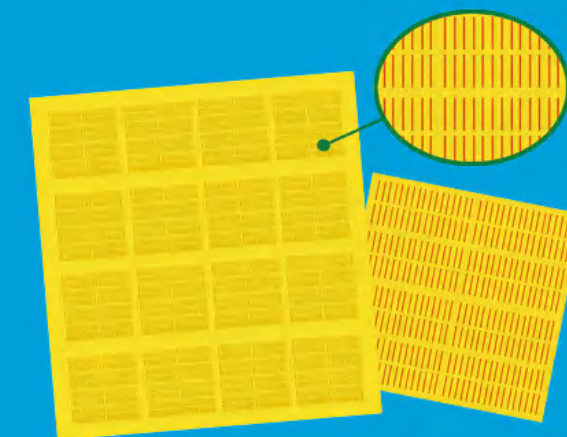
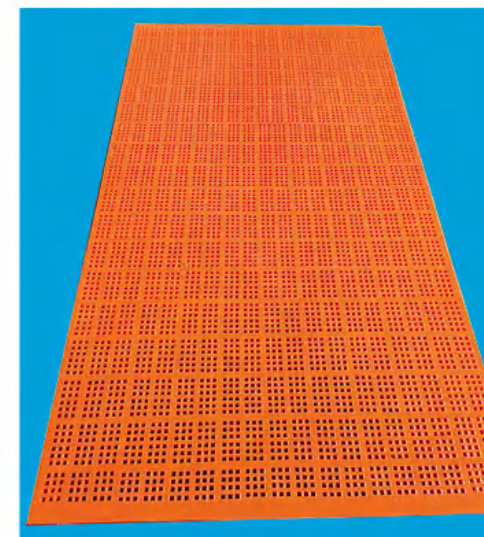
The circle apertures are produced by Fangyuan, the yellow one is made with MDI process, the white one is with TDI process. They are installed in one machine together with Australian square-hole screen panels in Hong Kong to compare quality and life.

『产品特点』

高耐磨性聚氨酯筛板具有重量轻、寿命长（是不锈钢筛板的2-3倍，是金属编织筛网的3-10倍），不堵孔，噪音低，脱水、脱介、分离效果好，安装方便可靠等优点。由于聚氨酯的以上性能，聚氨酯筛网已广泛应用于选煤、选矿、建材等行业。

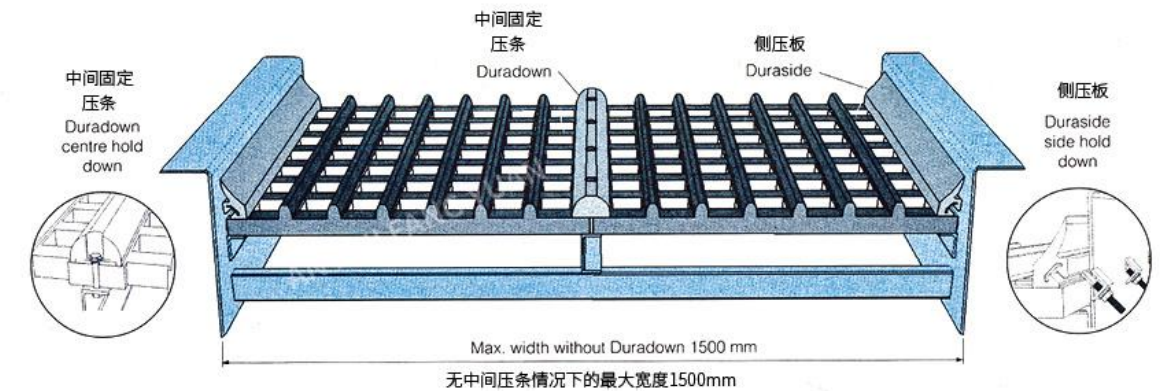
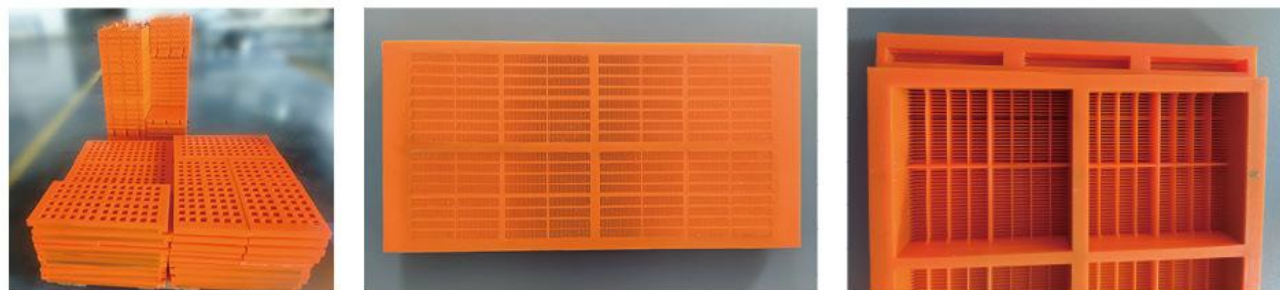
Polyurethane Screen Panels Features

High wear resistance of polyurethane with light weight, long using life(which is stainless steel mesh of 2-3 times, the metal woven screen mesh of 3-10 times), non-blocking holes, low noise, good performance of dehydration, de-sliming and separation, easy installation and reliable. Because of the excellent properties, polyurethane screen panels are widely used in coal preparation, mineral processing and building materials separation.



Standard Clip-rail PU Screen Panel

标准型卡轨式聚氨酯筛网



立筋式筛网工作原理：采用流槽架空大块物料的原理，物料在落在筛网上的瞬间即被分离，小物料顺着流槽下行过筛孔，大块物料被立筋架空，不会对筛网的筋部构成重大冲击，提高筛分效率，降低生产成本。
The reinforced strip screen panel working principle is that using chute to lift the large stones, the particles are

separated at the instant of falling on screen surface. The small material goes down the screen holes through the chute, large pieces of material are lifted by reinforced bar. There will be no significant impact on the reinforced bar of the screen panel, improve screening efficiency and reduce production costs.

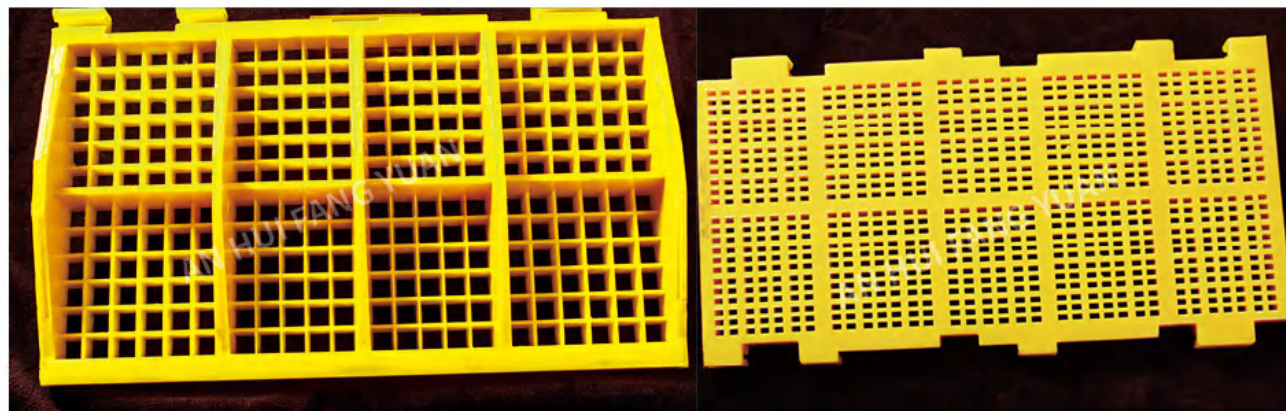


特大石筛分使用金属丝网，堵孔严重。
Steel wire screen meshes are used for super large stones screening, and the holes are blocked seriously.



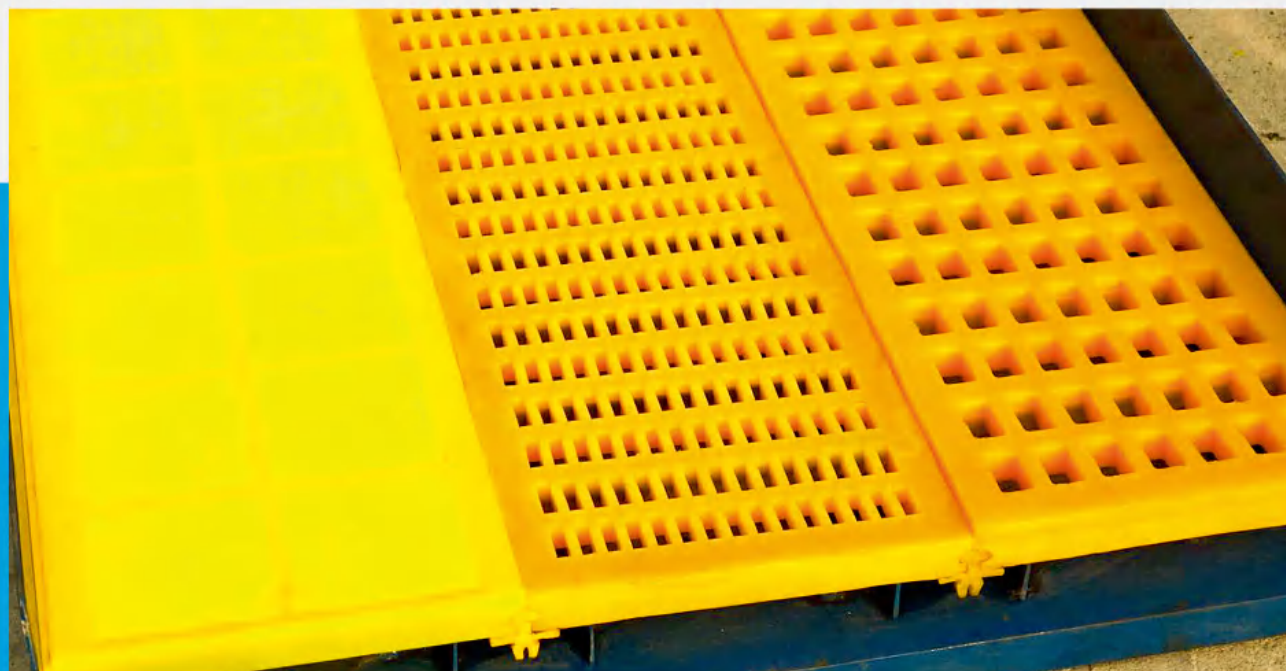
方园特大石料筛分现场，不堵孔，效率高。
Fangyuan super large stones screening application, non-blinding and high efficiency.





Standard Rail Type PU screen Panel

标准型轨座式聚氨酯筛网

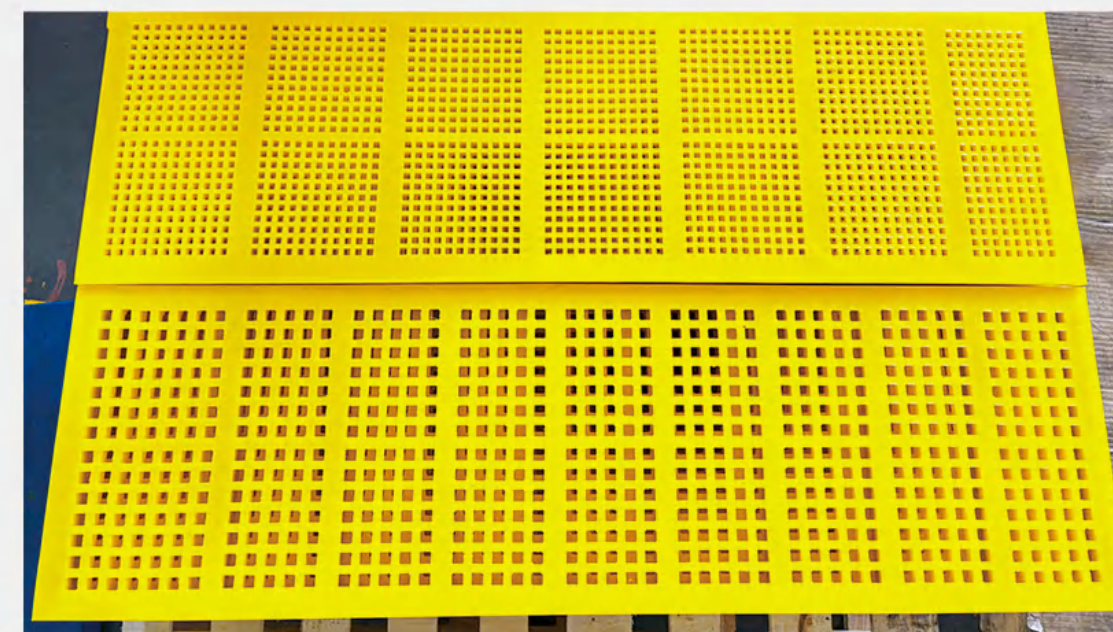


目前国际上多采用模块卡轨式筛网，采用柔性工作面，物料在筛网上产生二次弹跳，通过筛孔概率增加，自洁性能优良。

At present, modular clip-rail screen panels are widely used in global mining separation. The working face is flexible, the material bounces twice on the panel surface. The self-cleaning performance is excellent and the probability throughing mesh holes is increased.

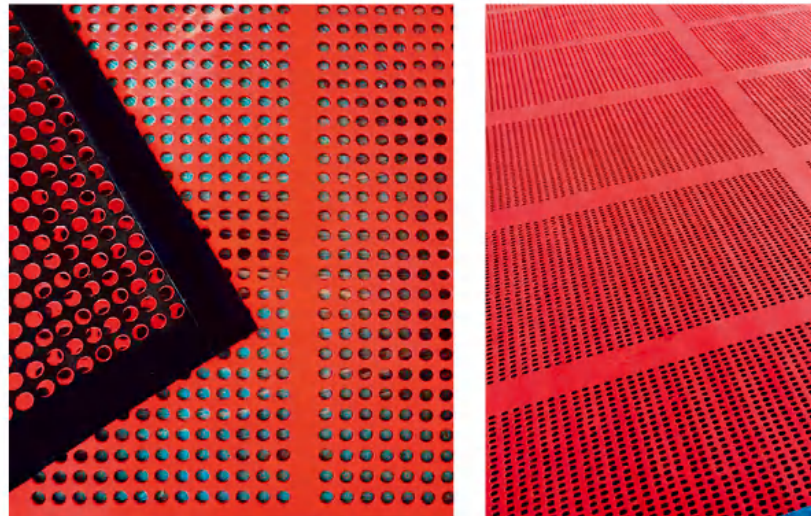


产品出口巴西、秘鲁、智利的筛网
The products are exported to Brazil, Peru and Chile.



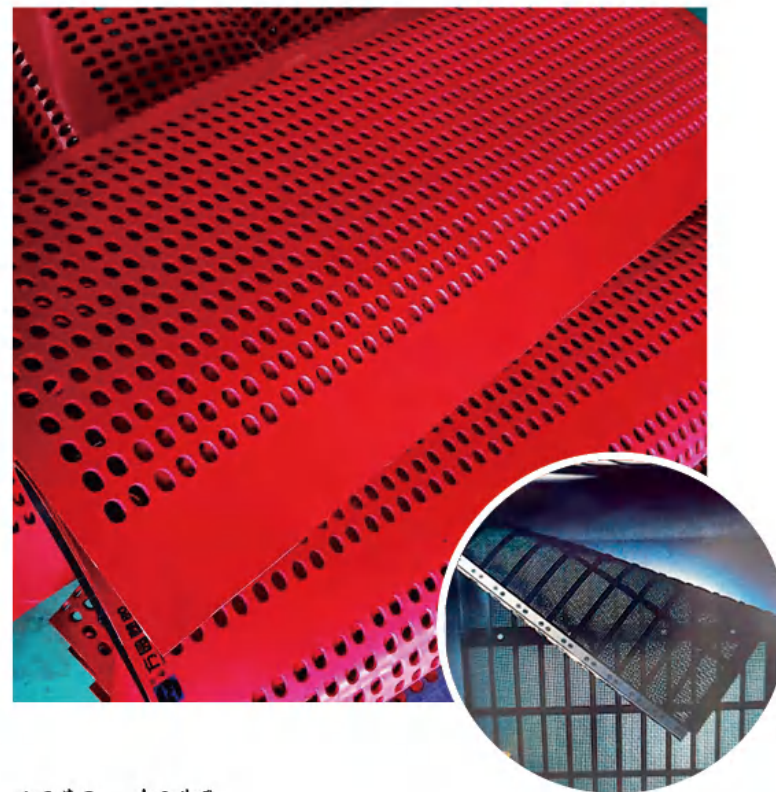
Anti-blocking and Anti-sticking Flexible Screen Panel

防堵防黏柔性筛网



防堵防黏柔性筛网在振动筛分时保持高弹性,多次的振动、形变和回复把湿黏物料从筛面不断的向上弹起、抖散、筛分,避免了堵孔糊孔现象,尤其适用于湿黏状态下中细粒度物料的筛分。

The anti-blocking and anti-sticking flexible screen panel maintains high elasticity during screening. Repeated vibration, deformation and recovery constantly bounce, shake and screen the wet and sticky materials from the screen surface, avoiding the blocking and the sticky holes. It is especially suitable for the screening of medium and fine-grained materials in the wet and sticky condition.



采用方园防堵筛网可以解决上述问题,筛网给用户带来的效益巨大,筛网成本可忽略不计。

Using Fangyuan anti-blocking screen meshes can completely solve those problems. The screen brings great benefits to users, and the screen cost can be ignored.

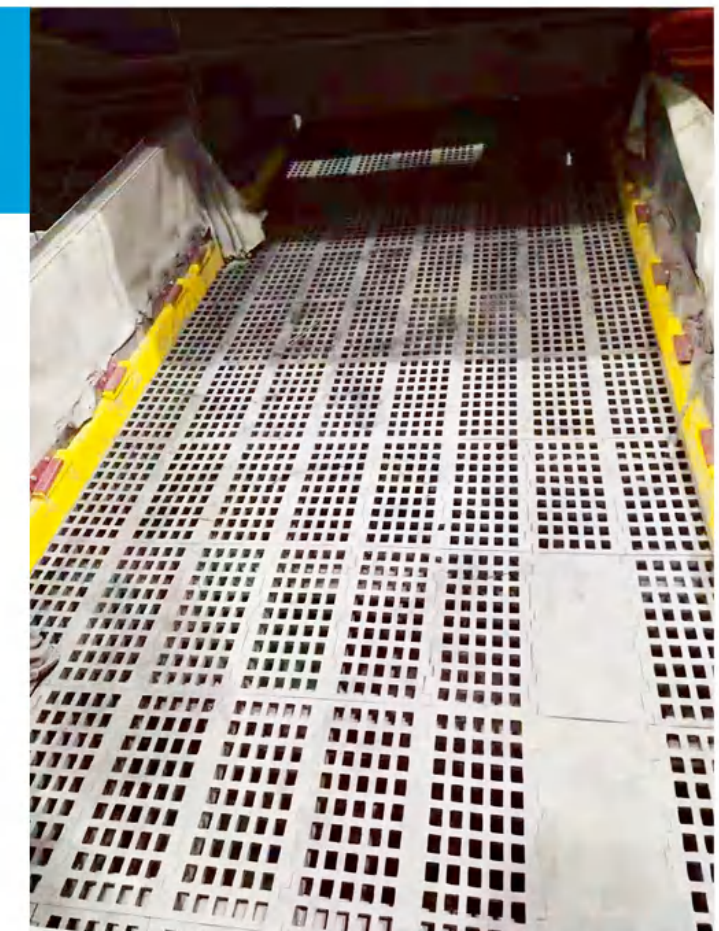
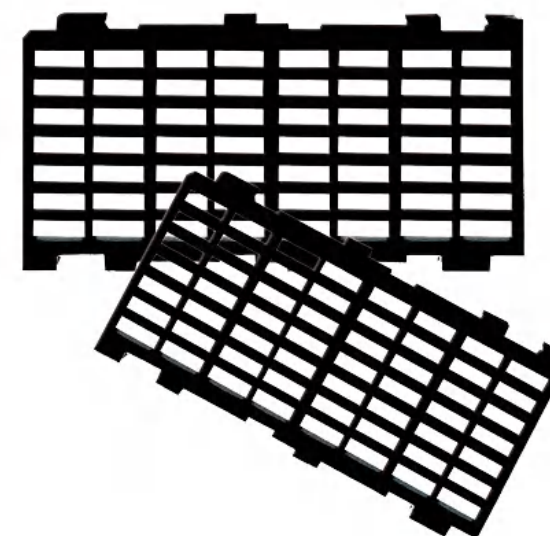


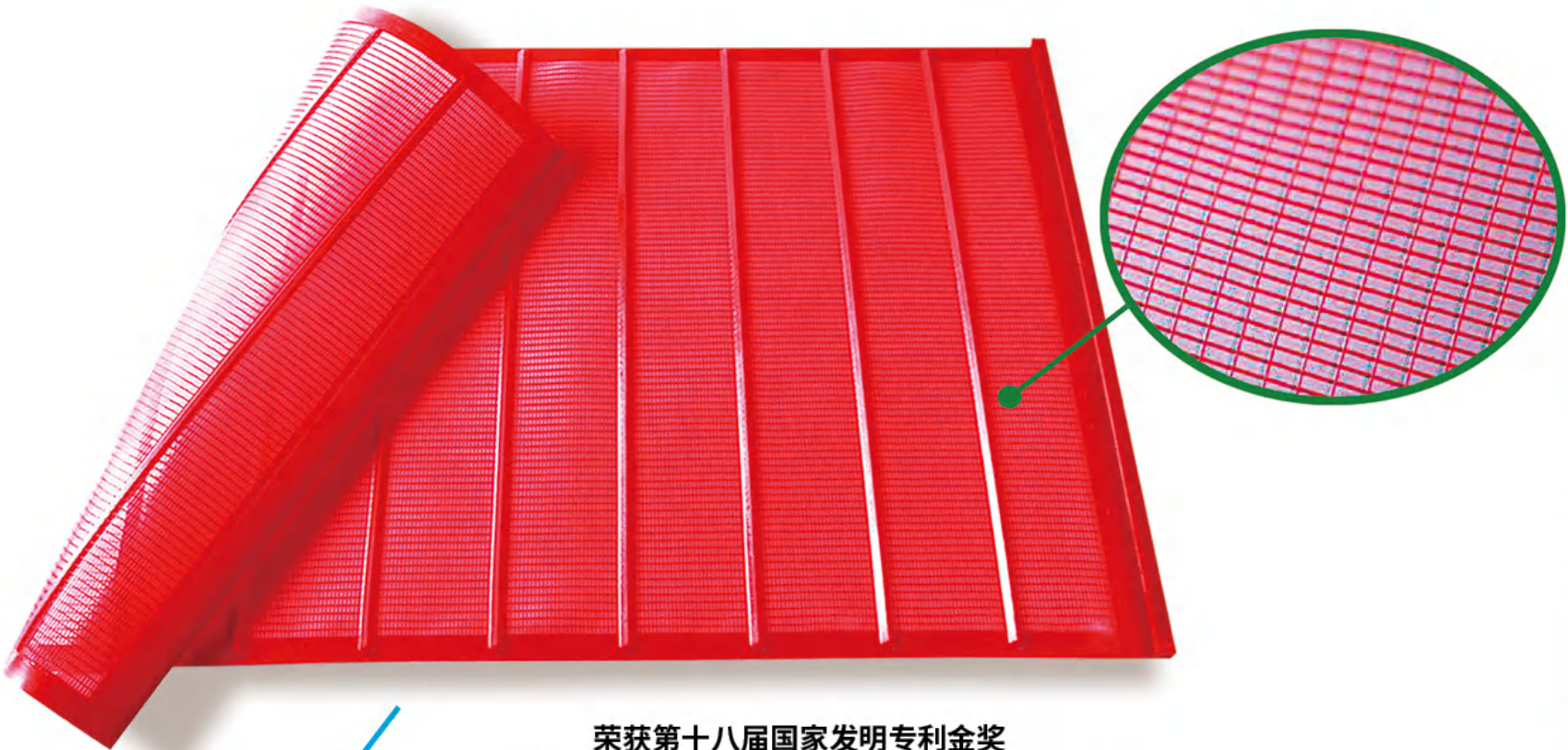
目前用户使用的菱形钢丝编织防堵网,堵孔造成夹细造成骨料不合格,设备运转效率低,产量和质量均受影响,职工劳动强度大。

At present, the rhombus steel wire woven anti-blocking screen mesh causes fine inclusion caused by hole blocking, resulting in unqualified aggregate, low equipment operation efficiency, affected output and quality and high occupational labor intensity.

Rubber Screen Panel

橡胶筛网





荣获第十八届国家发明专利金奖
Golden Prize for the 18th China Invention Exposition

FY—SIEVE 系列聚氨酯精细筛网
FY-SIEVE POLYURETHANE FINE SCREEN MESH

『用途』

- 铁矿、煤矿、锡、钨、钽铌、铅、石英矿、锌矿等金属，非金属的精细物料筛分、分级、脱介。
- Screening, classification, and demineralization for fine materials including iron ore, coal mine, sand, zinc ore, quartz minerals and other metals and non-metal materials.

『特点』

- 开孔率高（32%—42%），筛分效率高，处理量大。
- 整体一次浇注成型、内置芳纶纤维骨架，提高筛网抗拉强度不会出现整体开裂现象。
- 筛孔采用锥孔设计，有利于物料通过，不易堵孔。
- 筛网直接拉紧固定安装在筛框上，筛丝绷紧，筛缝不变形。
- 筛分分级精度高，使用寿命长。
- 进口聚氨酯材料，严谨的材料配方，弹性、柔性增强，耐磨防腐。
- Superior capacity and performance with high open area of 32%–42%.
- The fine screen sieve is manufactured as a whole with one-time forming processing, reinforced with fiber, the tensile strength and useful life are improved, as a result, the craze is been avoided.
- The screen slot is designed with taper shape, which is not easy to block, at the same time, the materials are easy to get through.
- The screen mesh is directly tightened and fixed on the frame, the screen wires are tight and the screen slots are not deformed.
- The screening and grading are accurate and the service life is prolonged.
- Imported polyurethane raw material, unique material formula, improving elasticity and flexibility, wear resistance and corrosion resistance.

『技术参数』

规格尺寸(mm) Specification	开孔率(%) Opening rate	孔径(mm) Aperture				重量(kg) Weight
1050x702	32%-42%					1.51
1220x702						1.82
1245x702		0.075	0.1	0.125	0.15	2.12
1245x840		0.18	0.2	0.23	0.25	2.46
1450x840		0.3	0.32	0.35	0.43	2.96
1400x1000		0.5	0.6	0.7	0.85	3.12
其他尺寸可定制 Other size can be customized		1.0	1.5			

『技术核心』

- 聚氨酯精细筛网两项国家发明专利
- 纤维增强聚氨酯精细筛网及其成型方法
- 荣获第十八届国家发明专利金奖
- Achieved two Invention Patents .
- Fiber reinforced polyurethane fine screen mesh and its molding method.
- Achieved Golden Prize for the 18th China Invention Exposition.

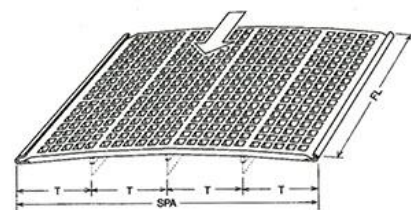
『部分现场』



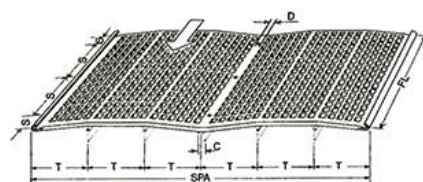


Screen Mesh Installation Diagram

筛网安装工艺

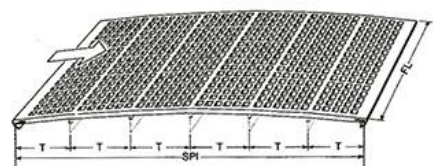


A 一种弧型安装方法
An arc installation



B 筛网双弧型安装方法，中间采用聚氨酯压条，螺丝内置在压条中。

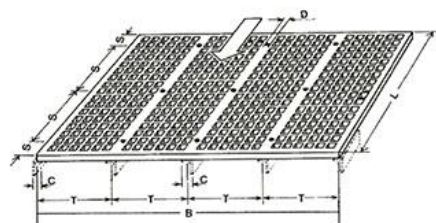
Double arc installation, in the middle, polyurethane layering is fixed by screws which are built in the layering.



C 中型筛机一次性弧型安装的方法，优点为物料在筛机前端供料板下料时，物料往两边分流，物料在筛上停留的时间延长，提高筛分效率。

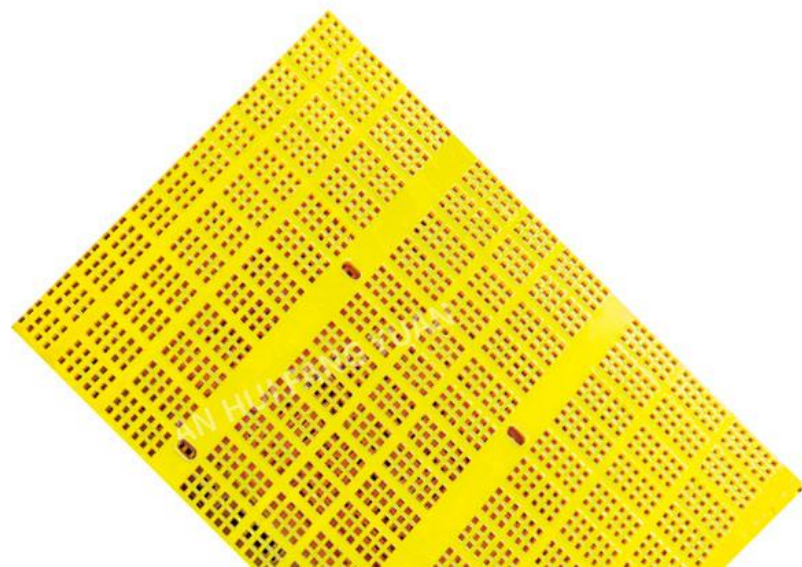
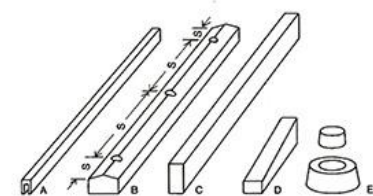
One-time arc-type installation of medium-sized machine

Advantage: when the material is discharged from the front feeding plate of screen, the material is diverted to both sides, the residence time on the screen is prolonged, and efficiency is improved.



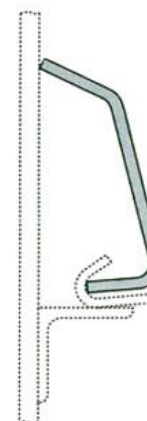
D 内置钢骨架的平面筛网安装，采用压条固定筛网表面

The Screen mesh built with steel skeleton fixed with the PU layering on the screen mesh surface.



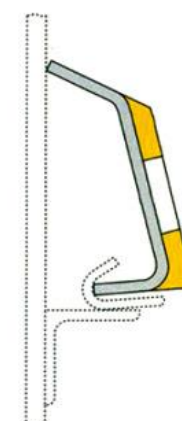
筛网安装工艺要从生产出高品质筛网再到科学合理的安装质量，对筛网的使用寿命，筛分质量，筛分效率，提高设备的运转效率，降低维护成本都至关重要。

The screen installation process screen installation process from the production of high-quality screens to scientific and reasonable installation quality are essential to the screening service life, screening quality, screening efficiency, improving the efficiency of equipment operation, reducing maintenance costs.



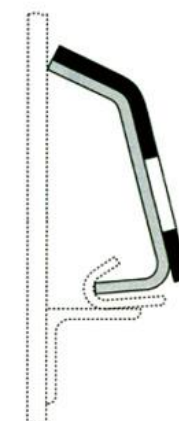
采用金属固定弯铁拉紧筛网

Tension the screen mesh with metal fixed bending bar.



采用半衬聚氨酯的固定弯铁，耐用，降低噪音

Semi lined polyurethane for bending iron, durable and noise reducing.



全部用橡胶包覆固定弯铁，减少更换次数

The fix bending bar is all covered with rubber to reduce the frequency of replacement.



腐蚀性颗粒撞击刚性金属表面，动能转换成冲击力、摩擦力和噪音。

When abrasive particles impact the rigid metal surface, kinetic energy transforms into impact strength, frictional force and noise.

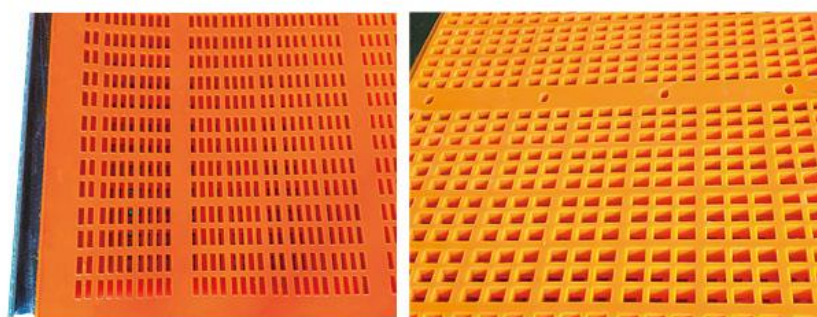
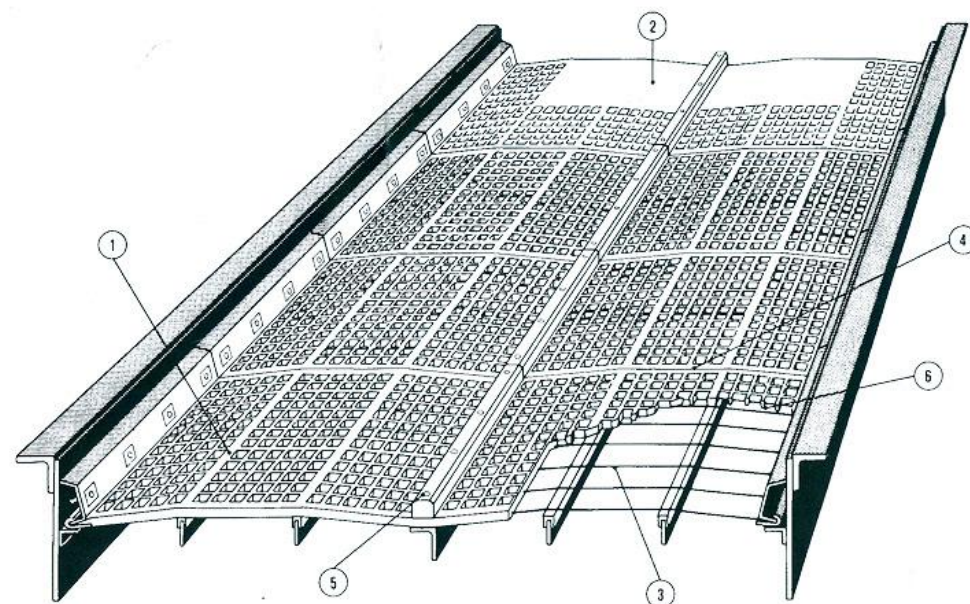


腐蚀性颗粒撞击柔性橡胶表面，橡胶受压变形，把大部分动能返还给颗粒，从而避免了上述磨损。

The abrasive particles impact the flexible rubber surface, the rubber deforms under this pressure, returning most of the kinetic energy to the particles, so as to avoid the above problems.

TENTIONED POLYURETHANE SCREEN PANELS

—— 涨紧式筛网的优点



- (5) 在适当的位置浇注有柱栓孔，以确保中心准确固定
- (6) 方园筛网的筛孔为锥形设计，使筛分效率更高

- (1) Fangyuan screen panels are blanked out and reinforced over the support bar areas to prevent from wearing and ensure the installation
- (2) The impact areas are blanked out and made thicker
- (3) Fangyuan screen panel reinforcement is designed to stretch in order to ensure the correct tension and maintain the shape under the load
- (4) Fangyuan screen panels have been machined and reinforced edges, it can make a perfect seal between screen panels
- (5) Bolt down holes are cast in appropriate places to ensure the accurate center location
- (6) The slots of Fangyuan screen panels are tapered in design to aid the screening action to optimize the efficiency.



Hump-shaped Stereoscopic Screen Panel

驼峰立体筛网

驼峰立体筛网开孔率高，筛孔均匀且耐磨，同等网孔设计成非平面的“山脊”形状，使筛网的筛分面积增加一倍，脱水脱介效率更高，同时保留细颗粒物料。

The hump-shape stereoscopic screen panels have high opening rate, uniform and wear-resistant screen holes. The same mesh is designed into a non planar "ridge" shape, which doubles the screening area , effectively dehydrates and disintegrates, and retains fine-grained materials at the same time.



胀栓式
Expansion bolt type



轨座式
Rail seat type



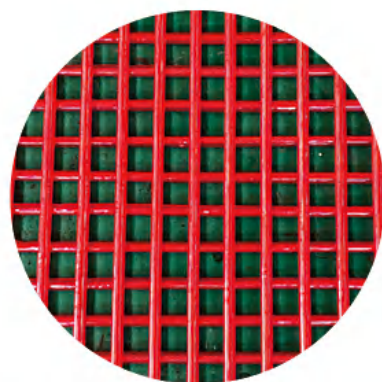
聚氨酯胀栓
Polyurethane expansion bolt

TPU Hot-melt Wire Mesh

TPU 热熔棒条筛网

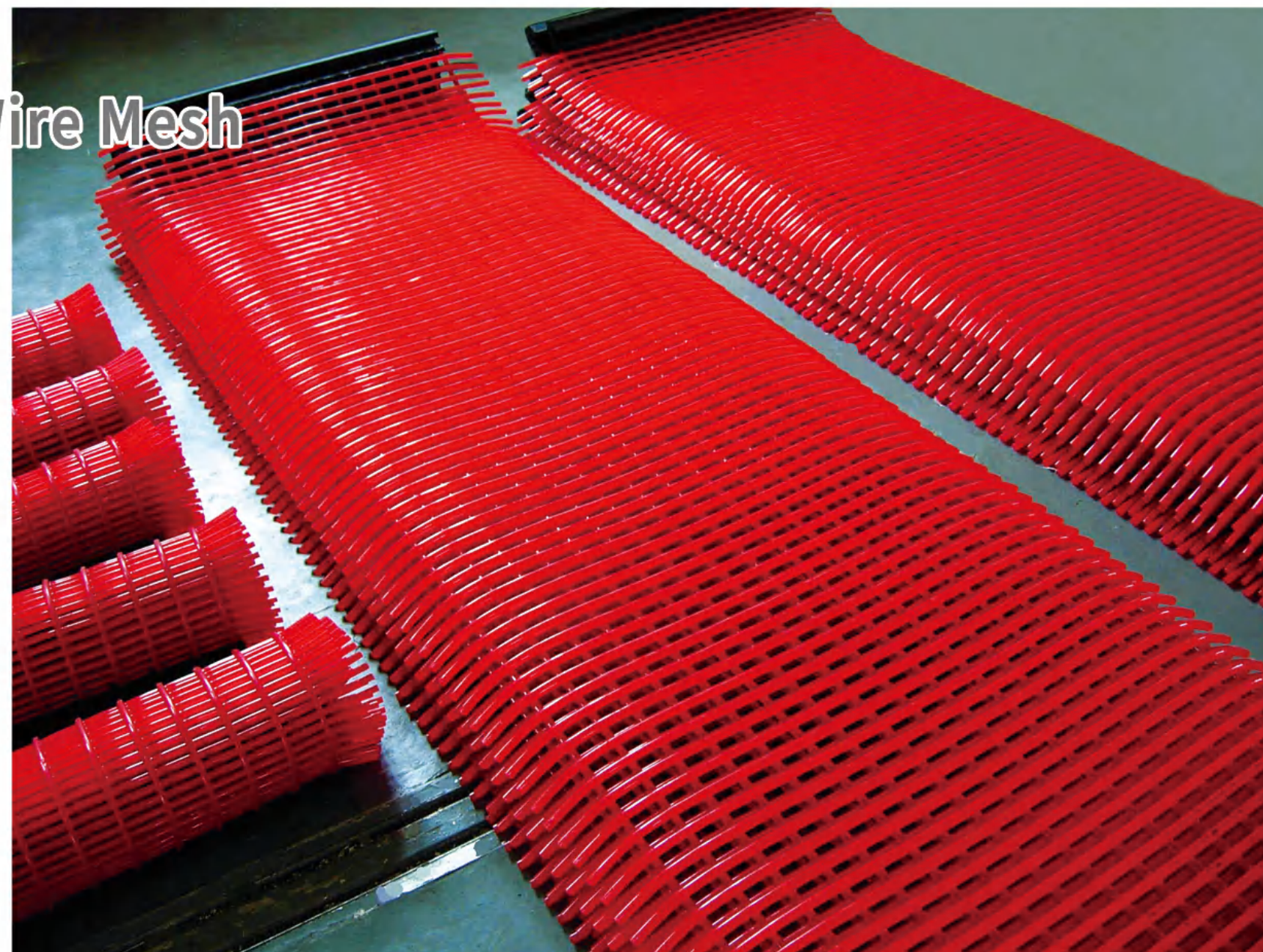
TPU热熔棒条筛网开孔率高，内置钢丝增强骨架，采用TPU工艺成型，使用寿命长，重量轻，安装方便，对于中细粒度的应用效果好。

TPU Hot-melt Wire Mesh has very high opening rate reinforced with steel wire skeleton, which is formed by TPU process. The advantages include long service life, light weight and convenient installation. It is a suitable choice for medium and fine particles separation.



纵向横向均内设钢丝绳，强度高，分级效果好。

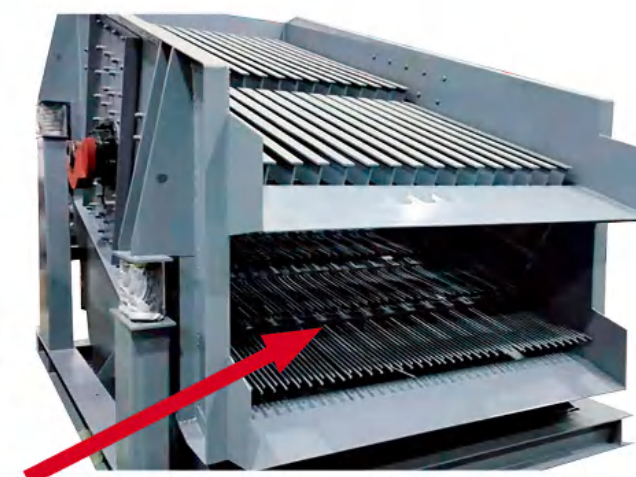
Steel wire ropes are vertically and horizontally lined, the high strength and good classification can be achieved.



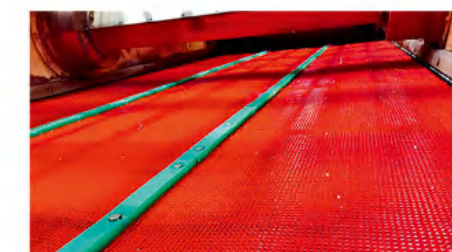
横向内置钢丝绳TPU，横向TPU棒条无钢丝绳，筛网不堵孔，适合干法筛分。
Transverse TPU bar is without wire rope inside, non-blinding, it is suitable for dry sieving.

PU弹簧钢金属组合式弹性杆筛网，适用于黏性物和钢厂高温物料筛分。

PU Spring Steel Metal Combined Elastic Rod Screen Panels are suitable for screening viscous materials and high temperature materials in steel plants.



CPU，MDI和TPU热熔筛网在同等条件下，该筛网透筛率高达20%以上；
Under the same conditions, the screening efficiency of TPU screen panels is 20% higher than CPU MDI panels ;



在湿法筛分状态下，比同款钢制编织网透筛率高20%以上，用户选择和生产厂家专业推荐是密不可分的。

In the wet screening situation, the efficiency is more than 20% higher than that of the same steel woven mesh. Selection of users is inseparable from the professional recommendation of manufacturers.



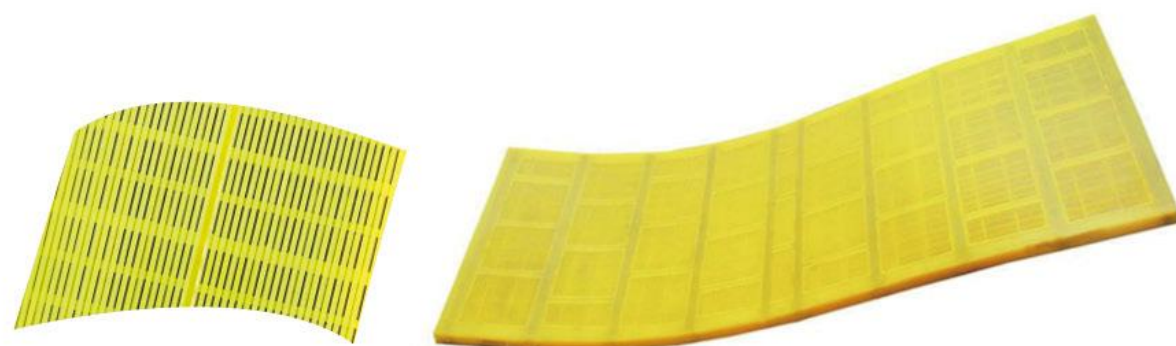
Flip-flow Screen Panel

弛张筛网



Arc Screen Panel

—— 弧形筛网

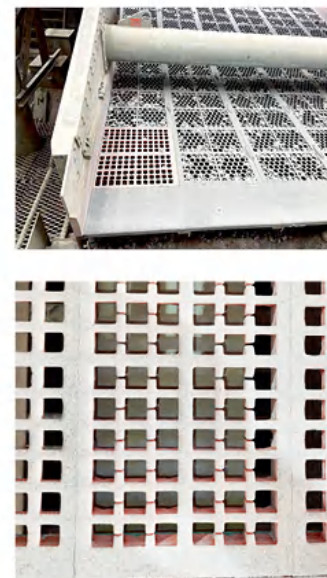
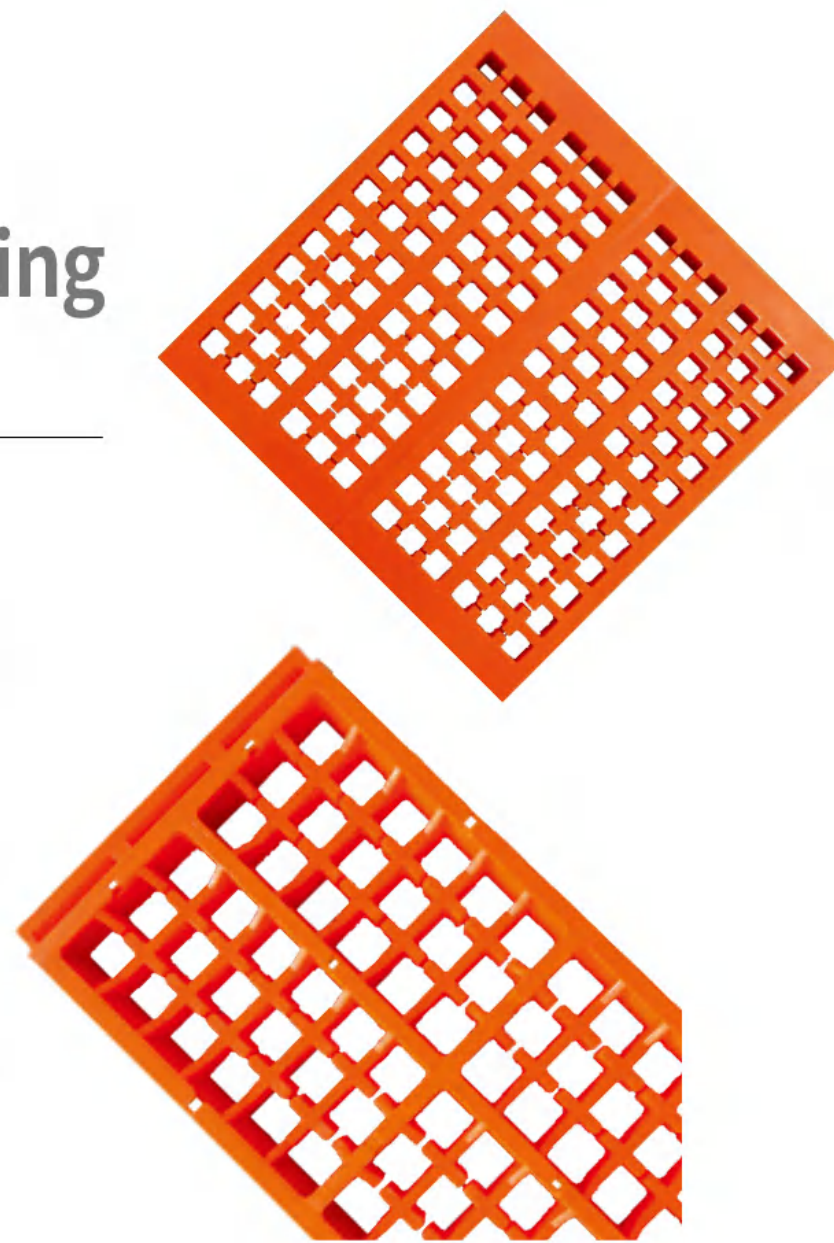


Gap Anti-blocking Screen Panel

聚氨酯断筋孔筛网

聚氨酯断筋孔筛网可有效解决大物料堵孔问题，用于锥形、多棱形物料上优势更加明显。

Gap Anti-blocking Screen Panels can effectively solve the problem of blocking holes in large particle materials screening and has obvious advantages in cone-shaped and polygon-shaped materials screening application.

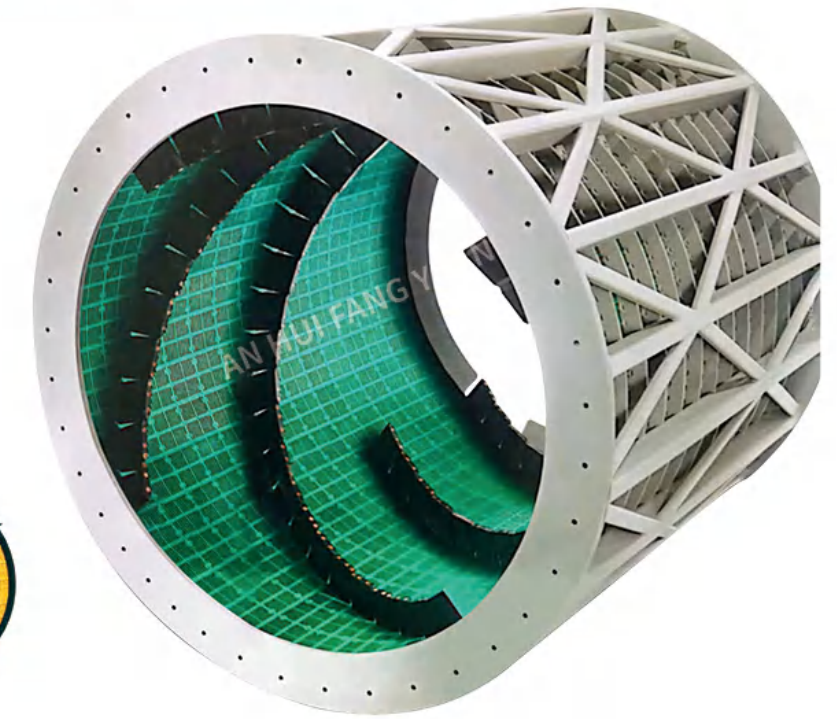
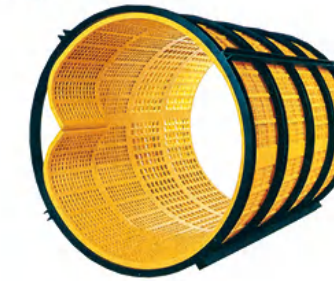
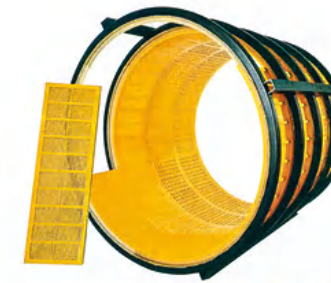


滚筒筛网与球磨机配套使用

Trommel Screens are used together with ball mills.

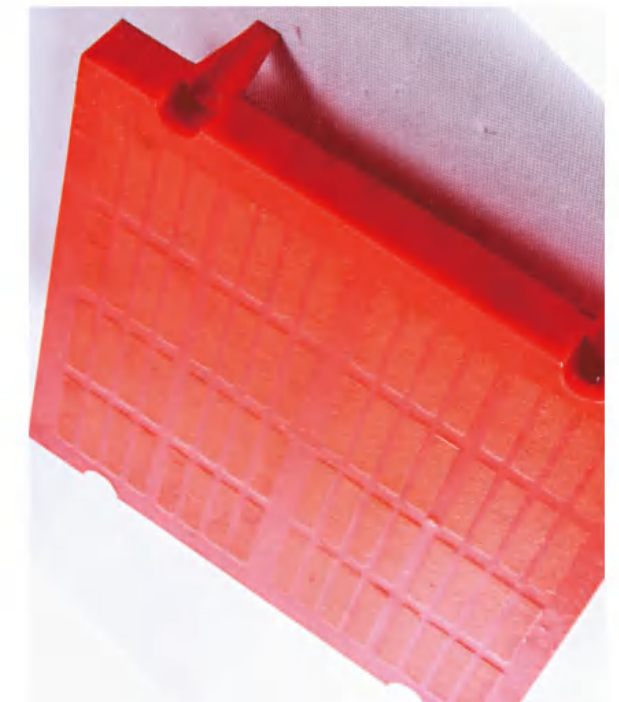
Trommel Screens

滚筒筛网



Flat 305*305 Screen Panel

平面305*305筛网



PU Wave-shape Screen Panel

—— 聚氨酯波浪形筛网



波浪形状筛面的设置，更加优化物料在筛面上的运行轨迹，使物料在筛面上滚动前进，利用不同粒度颗粒物料爬坡能力的差异促进物料分层，大颗粒快速越过波峰继续运行，小颗粒和水份滞留在波谷内完成筛分透筛；

波浪形状的筛面有利于物料运行过程中的横向位移，有利于物料在整个筛面上的均匀布置，有利于提高物料的筛分效果；

实践证明采用此种结构的筛机可以提高筛透率，减少回破工作量，减少电能损失和设备无功损耗。

The arrangement of the wave-shaped screen surface more optimizes the running trajectory of the materials on the screen surface, makes the materials roll forward on the screen surface, and promotes the layering of the materials by using the difference of the climbing capacity of the granular materials with different particle sizes; large granules quickly cross over a crest to continue running, and small granules and moisture retain in a trough to complete penetrating screening;

The wave-shaped screen mesh surface is beneficial to transverse displacement in a material running process, is beneficial to uniform arrangement of the materials on the overall screen surface, and is beneficial to improving the screening effect of the materials; Practice proves that the screening machine adopting the structure can improve the penetrating screening rate, greatly reduces the workload of secondary crushing, and reduces power loss and reactive power loss of equipment.



Conveyor Sweeper

输送带清扫器



- ◆无运动部件和例行维护；
- ◆支撑面积大，减少皮带松垂、损坏和物料洒落；
- ◆吸收冲击能量；
- ◆面板为摩擦阻力小的高强聚乙烯，底部为抗震性强的橡胶；
- ◆简便的T型螺栓固定；
- ◆安装快捷、简便，易于检查更换；
- ◆倾斜端面防止绊住皮带扣；
- ◆承受强烈冲击；
- ◆适用多种宽度和槽角；
- ◆装置与皮带运输机的受料点，延长皮带寿命。

No moving parts and routine maintenance;
Supporting large area to reduce the belt sag, damage and material floating down;
Absorbing the impact energy;
Panel for a small high-strength polyethylene friction, the bottom of a highly shock resistance rubber;
Simple T-bolted;
Quick installation, simple and easy to check the replacement;
Tilt-end to prevent the enmesh belt buckle;
Withstanding a strong blow;
Suitable for a variety of widths and slot angles;
Device and belt conveyor of the subject material point, to extend the belt life.

PU Covered Roller

包胶滚筒

包胶滚筒是矿山广泛应用的输送部件，耐磨性强的包胶滚筒对输送带的使用寿命有着重要的影响，减少更换次数，降低生产成本。

PU Covered rollers are widely used for conveying in mines. Strong wear resistant PU covered roller has an important impact on the service life of conveyor belt, reducing the number of replacements and production costs.



Comparison of Polyurethane Hydraulic Spiral Classifier and The Metal One

水力螺旋分级机对比图

采用新材料聚氨酯替代金属叶片，减轻重量，节省电力，减少更换次数。

金属叶片寿命短，重量大，耗电高，维修量大。

Use new material polyurethane instead of metal blade to reduce weight, save power and reduce the number of replacement.

The metal leaf has the disadvantages of short life, heavy weight, high power consumption and large maintenance.



全球矿业 精选有我
Global Mining Beneficiation Expert

方园（安徽）智能装备有限责任公司采用法国浇注设备生产聚氨酯制品，可满足不同矿山物料的加工洗选的工艺要求。

Fangyuan (Anhui) Intelligent Mining Equipment Co.,Ltd. adopts the France producing equipment produce polyurethane products, which can meet the processing and washing requirements of different mine materials.



胀栓
Expansion bolt



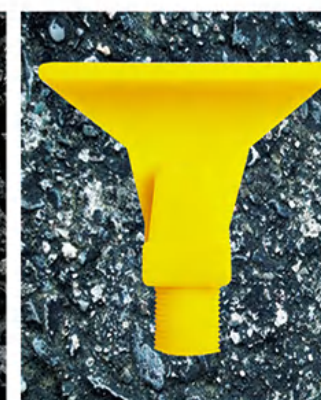
保护套
Protection sleeve



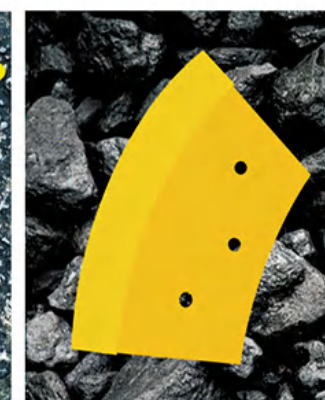
清扫器
Sweeper



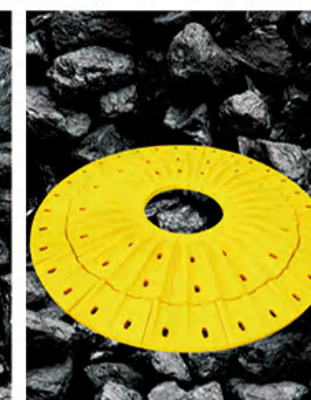
轨座
Rail seat



喷水嘴
Spraying nozzle



螺旋分级机导流板
Hydraulic spiral classifier
guiding plate



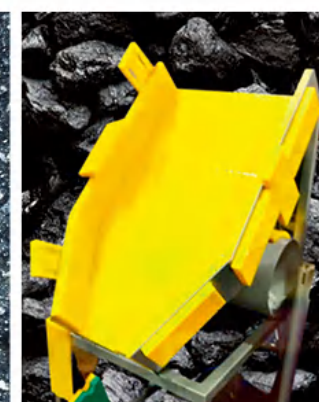
球磨机端板
Ball mill lining



卡轨
Clip rail type



聚氨酯保护套
Polyurethane protective
sleeve



聚氨酯衬板
PU Lining Board



橡胶保护套
Rubber Protection Sleeve



进口法国博雷浇注机
Balue Casting Machine
Imported from France

AN HUI FANG YUAN