



方园筛网 中国荣耀 全球矿业 精选有我
Fangyuan Screen Glory of China Global Mining Beneficiation Expert

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MULTIDECK
High Frequency Screen
多叠高频筛



方园（安徽）智能装备有限责任公司
FANGYUAN (ANHUI) INTELLIGENT MINING EQUIPMENT CO., LTD.





企业概况 COMPANY PROFILE

方园(安徽)智能装备有限责任公司位于素有“中国碳谷”之称的能源城市——安徽省淮北市。厂区坐落在安徽省淮北市龙湖高新经济开发区。公司是“国家级高新技术企业”，是ISO三体系认证企业。

经过几十年的奋斗，目前公司有三个厂区：筛分设备制造厂、聚氨酯精细筛网制造厂、筛板（金属、非金属）制造厂。产品覆盖金属选矿、非金属选矿、选煤、建材等多个行业，主要包括：叠层高频筛、高频筛、直线筛、分级旋流器、聚氨酯精细筛网、聚氨酯和橡胶筛板、金属筛网与筛板及各种筛分设备配件。

方园公司成立伊始，便创建了科技研发中心，组建科研团队，致力于开展“产学研”活动。先后与北京航空航天大学、中国矿业大学、安徽理工大学、淮北师范大学等高等院校及周边大型国有企业进行合作，不断引进人才，开发新产品、生产新工艺。其中与北京航空航天大学合作研发的聚氨酯精细筛网获得两项国家发明专利，打破了聚氨酯精细筛网进口的垄断地位；与中国矿业大学、山东新汶集团新巨龙选煤厂联合开展的“降低重选下限粗精煤泥直接回收”的工艺技术研究获得“国家科技成果”奖。

Fangyuan (Anhui) Intelligent Mining Equipment Co., Ltd. has been rated as a National High Tech Enterprise, located in Hua-ibei Hi-tech Economic Development Zone, Huaibei is the "China Carbon Valley • Green Gold Huaibei" energy city. Fangyuan is rated as a National High-tech Enterprise and achieves ISO Three System certification.

After decades of efforts, at present, there are three factories in Fangyuan, namely vibration equipment factory, screen panels factory and rubber screen panels factory. The products cover metal mineral processing, non-metal mineral processing, coal preparation, building materials and other industries, mainly including: multi-deck high frequency screen, high frequency screen, linear screen, classifying cyclone, polyurethane fine screen mesh, polyurethane and rubber screen panels, metal screen meshes and screen panels and other various screening equipment accessories.

At the beginning of its establishment, Anhui Fangyuan has established an enterprise R&D center with complete facilities and a high-level scientific research team. It is committed to carrying out "production, learning and research" activities. It has successively cooperated with Beihang University, China University of Mining and Technology, Anhui University of Science & Technology, Huaibei Normal University and other large-scale state-owned enterprises in the surrounding areas to continuously introduce talents, develop new products and new production processes. Fangyuan developed polyurethane fine screen mesh cooperating with Beihang University to break the monopoly of imported products. We worked with China University of Mining & Technology to work on reducing the limit of gravity concentration project, which achieved the "National Science & Technology Achievement Award".

全球矿业 精选有我 诚信铸企业 科技铸精品

Global Mining Beneficiation Expert To Develop The Enterprise On Trust To Make the Products With Technology



国家专利技术认证

National Patent Technology Certification



方园承诺为用户提供优质，高效，节能，环保的产品和服务

Fangyuan promises to provide clients with high-quality, high-efficient, energy-saving and environmental protection products and services.

产品简介

Product Introduction

方园 FY-HVS 系列高频叠层振动细筛是由方园公司引进国外先进技术研制出的湿式细粒物料筛分设备，其特征如下：

- 筛机主体采用铆钉铆接，保证了设备长期运行的可靠性和稳定性，减少了维护次数和劳动量。
- 筛机表面整体采用聚脲喷涂技术进行处理，增加了设备的耐磨性和防腐性，延长设备使用寿命。
- 使用自主开发的聚氨酯精细筛网（最小 0.075mm），筛网不易堵孔，五路同时给料，处理量大，筛分效率高。

Fangyuan FY-HVS Multideck High Frequency Screen is a wet fine material screening equipment developed by Fangyuan company with foreign advanced technology. Its features are as follows:

- The main parts of screen are riveted with rivets, ensuring the reliability and stability of long term operation, reducing maintenance times and the labor amounts.
- The surfaces are sprayed with polyurea, increasing the wear resistance and corrosion protection, extending the service life of the equipment.
- Matched with the fine screen mesh (Fangyuan's innovation minimum aperture is 0.075mm), the screen has 5 feeding ways, enlarging the handling capacity and the screening efficiency.



FY-HVS-1520 五层高频筛
FY-HVS-1520 Five-deck High Frequency Screen

产品简介

Product Introduction



FY-HVS-2820 八层高频筛
FY-HVS-2820 Eight-deck High Frequency Screen



FY-HVS-10-1214 十层高频筛
FY-HVS-10-1214 Ten-deck High Frequency Screen

FY-HVS- 系列多叠高频筛机主要技术参数
FY-HVS Series Multideck High Frequency Screen Technical Data

型号 Model	筛分面积 Sieving Area (m²)	振幅 Amplitude (mm)	功率 Power (kW)	处理量 Handling Capacity (t/h)	筛机倾角 Sieving Obliquity (°)	给矿浓度 Feeding Concentration	外型尺寸 Figure Size (mm)
FY-HVS-1120	1.4	0-2	2×1.0	8-15	17.5°-20°	30-45% 200-400g/L	2450×1481×2170
FY-HVS-1320	4.3	0.8-2	2×1.8	20-40			3850×1510×3715
FY-HVS-1420	5.8	0.8-2	2×1.8	30-55			4590×1510×4085
FY-HVS-1520	7.3	0.8-2	2×1.8	40-70			5160×1510×4450
FY-HVS-2220	3.5	0-2	2×1.0	20-35			3615×1710×3355
FY-HVS-2320	5.2	0.8-2	2×1.8	30-50			3850×1710×3715
FY-HVS-2420	7.0	0.8-2	2×1.8	40-60			4590×1710×4085
FY-HVS-2520	8.7	0.8-2	2×1.8	50-85			5160×1710×4450
FY-HVS-1130	2.1	0-2	2×1.0	8-15			3450×1550×2620
FY-HVS-1230	4.3	0-2	2×1.0	15-30			4650×1580×3560
FY-HVS-1330	6.5	0.8-2	2×1.8	20-40			5430×1580×4120
FY-HVS-1430	8.7	0.8-2	2×1.8	30-55			5910×1580×4530
FY-HVS-1530	10.95	0.8-2	2×1.8	40-70			6395×1580×4940
FY-HVS-2820	15.68	0.8-2	2x1.8	75-125			6020 x 1896 x 4922
FY-HVS-10-1214	17.52	0.8-2	2x3.2	90-140			4987 x 1776 x 5464

注：处理量以金属选矿的中矿密度计算

Mark: The handling capacity is calculated by the middlings density of metal mines

应用范围
Application

- ☒ 粗煤泥分选
Coarse coal slime separation
- ☒ 末煤脱除硫铁矿
Removing the pyrite from fine coal
- ☒ 从砂中脱除褐煤 / 泥煤
Removing the high specific gravity impurities from ore sand
- ☒ 从砂中脱除高比重杂物
Removing the high specific gravity impurities from ore sand
- ☒ 矿砂分级
Ore sand separation&grading
- ☒ 锡，铅，锌，钛等细粒级矿物分选
Separation of tin, lead, zinc, titanium and other fine-grained

方园 FY-DWG 系列脱水筛适用于浓度小于 50% 的矿浆中粗颗粒等杂质的筛分，处理量大、占地面积小，对给矿粒度、浓度的波动适应性强，各运动部件的运转速度较慢，磨损和故障率很低，工作可靠、操作维护简单。应用于大颗粒矿石及杂物的隔渣筛分，可用于煤炭、冶炼、建材、化工等其它需要除渣的领域。

Fangyuan FY-DWG Dewatering Screen is suitable for screening impurities such as coarse particles in pulp with concentration less than 50%. It has large processing capacity, small footprint, strong adaptability to fluctuation of feed particle size and concentration, slow operation speed of all moving parts, low wear and failure rate, reliable operation and simple operation and maintenance. It can be used in coal, smelting, building materials, chemical industry and other areas requiring slag removal.



FY-DWG-1130 高频脱水筛
FY-DWG-1130 Dewatering Screen



FY-HVS-1120 单层筛
FY-HVS-1120 - One-deck Screen



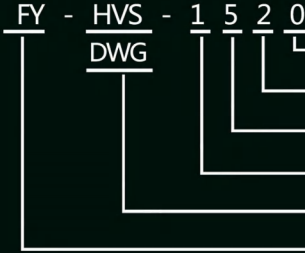
FY-HVS-1420 四层筛
FY-HVS-1420 - Four-deck Screen



FY-HVS-1520 五层筛
选煤专用
FY-HVS-1520 - Five-deck Screen for coal preparation



FY-HVS-1530 五层三段筛
FY-HVS-1530 - Five-deck&Three-part Screen



FY-HVS-1520-Five-deck Screen for coal preparation

版本: 0- 标准型, 1、2、3... 定制
Version: 0- Standard 1.2.3... Customized

每层筛网数量: 2- 两段, 3- 三段
Screen mesh quantity of each deck: 2- Two parts 3- Three parts

筛机层数: 1-2-3-4-5-8 层筛
Deck Qty. of screen: 1-deck, 2-deck, 3-deck, 4-deck, 5-deck, 8-deck

筛网宽度: 1-1000mm, 2-1200mm, 4-1400mm
Screen Mesh width 1-1000mm, 2-1200mm, 4-1400mm

产品类型: HVS- 高频叠层筛 DWG- 高频脱水筛
Product Type: HVS- Multideck High Frequency Screen DWG- Dewatering Screen
安徽方园简称
Anhui Fangyuan



FY-SIEVE- 聚氨酯精细筛网
FY-SIEVE Polyurethane Fine Screen Mesh

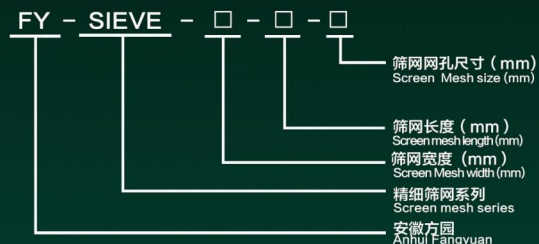
核心技术：聚氨酯精细筛网两项国家发明专利
纤维增强聚氨酯精细筛网及其成型方法
(荣获第十八届国家发明专利金奖)

When installed and fixed, they can not be in tight shape, mesh surface separation rate and using life, as a result and using life, as a result, they can not remove

FY-SIEVE- 系列聚氨酯精细筛网参数
FY-SIEVE series Polyurethane Fine Screen Mesh Technical Data

序号 No	规格尺寸 (mm) Specification	孔径 (mm) Aperture	开孔率 (%) Open Area	重量 (kg) Weight
1	1050x702	0.075 0.1 0.125 0.15 0.18 0.2 0.21 0.23 0.25 0.3 0.32 0.35 0.43 0.5 0.6 0.7 0.85 1.0 1.5	32%~42%	1.51~2.5
2	1220x702			
3	1245x702			
4	1245x840			
5	1450x840			
6	1400x1000	其他尺寸可定制		

FY-SIEVE- 系列聚氨酯精细筛网型号说明
FY-SIEVE series Polyurethane Fine Screen Mesh Model Description



FANGYUAN HIGH FREQUENCY SCREEN

FY-SIEVE- 系列聚氨酯精细筛网的特征及优势 FY-SIEVE Polyurethane Fine Screen Mesh Features&Advantages

方园公司生产的聚氨酯精细筛网采用进口聚氨酯材料，特殊配方，内置增强骨架，整体一次浇注成型，耐磨防腐，能承受强大的横向拉应力，从筛网两侧直接拉紧安装在筛框上。而拼接筛网不能承受张紧拉力，只能用托网固定在筛框上。与拼接筛网相比，方园公司生产的 FY-SIEVE- 聚氨酯精细筛网具有强大的技术优势：

整体一次浇注成型

开孔率高 (32%—42%)，筛缝采用锥孔设计，不易堵孔。

筛分效率高，处理量大。

内置增强骨架，提高筛网抗拉强度。

筛网直接拉紧固定安装在筛框上，筛丝绷紧，筛缝不变形。

筛分分级精确，使用寿命延长。

进口聚氨酯材料，严谨的材料配方，弹性、柔性增强，耐磨防腐。

Polyurethane fine screen mesh made by Fangyuan adopts imported polyurethane raw material, special formula, reinforcement frames, it is cast into shape at one time, it is wear-resistant and corrosion-resistant and can bear strong transverse tensile stress. It is directly tightened from both sides of the screen and fixed on the screen frame. However, the splicing screen mesh can not bear the tension and can only be fixed on the screen frame with the supporting screen mesh. Compared with the splicing screen mesh, FY-sieve polyurethane fine screen mesh produced by Fangyuan has strong technical advantages:

One-time casting and forming of the whole screen mesh.

The opening rate is high (32% - 42%), and the screen slot is designed with taper shape, which is not easy to block.

The screening efficiency is high and the handling capacity is large.

Aramid yarn frames are built-in to improve the tensile strength of screen.

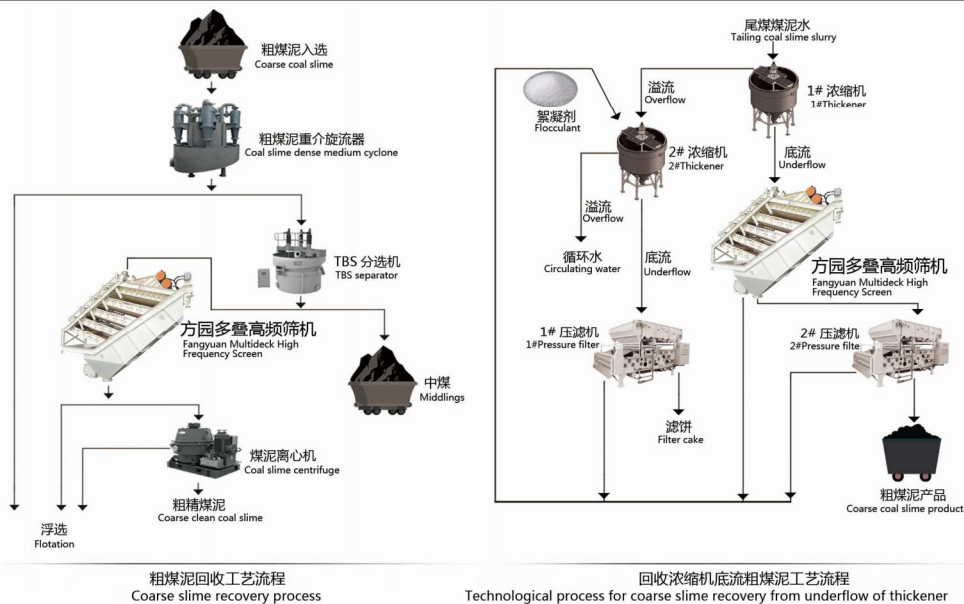
The screen mesh is directly tightened and fixed on the frame, the screen wires are tight and the screen slots are not deformed.

The screening and grading are accurate and the service life is prolonged.

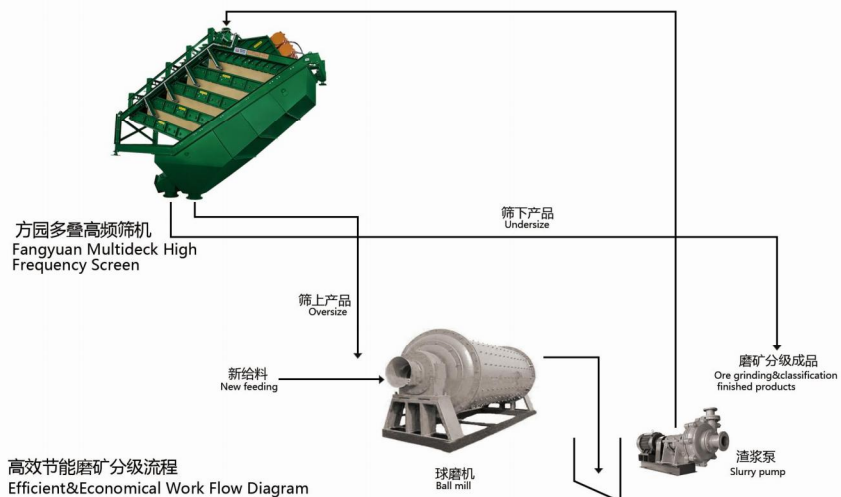
Imported polyurethane raw material, exact material formula, improving elasticity and flexibility, wear resistance and corrosion resistance.



工艺流程图 Process flow chart



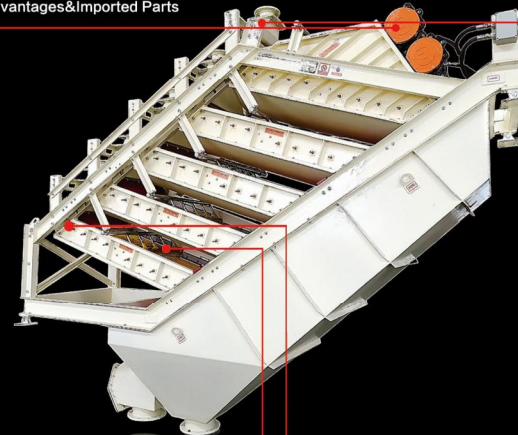
粗煤泥分选一般流程（根据煤质不同，工艺流程不同，我公司可根据粗煤厂的实际情况，设计合理流程）
Coarse Coal Slime Separation General Flowchart (processing will be changed depending on difference of the coal. Fangyuan can design the suitable flowcharts along with the actual situations of the coal-dressing plants.)



FANGYUAN SCREEN GLORY OF CHINA

优势及进口组件

Advantages & Imported Parts



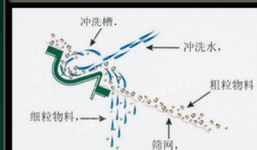
进口振动电机
Imported Motor

筛机采用两进口振动电机，保证筛机长期运行的稳定性和可靠性，使用寿命长达 40000 小时。筛机采用垂直堆叠设计，多层筛框同时工作，占地面积小，处理量大。
The screen machine adopts two imported vibration motors to ensure the stability and reliability of the screen machine for long-term running, its using life is as long as 40000 hours. The screen machine is designed with vertical stacking shape, multideck screen frames work at the same time with small floor area and large handling capacity.



喂料器
Feeder

喂料器五路同时给料，提升筛分效率，内附高强度耐磨橡胶，外部使用聚氨酯喷涂技术，提高使用寿命，减少维护次数，增加产量。
Five-way feeders feed the materials at the same time to improve the screening efficiency, high strength wear-resistant rubber are lined inside and polyurea are sprayed outside in order to improve service life, reduce maintenance times and increase production output.



二次造浆系统
Re-pulp system

筛面采用两段，三段式，增加二次，三次造浆，经过第一张筛网筛分，筛面物料浓度增大，不利于筛分，通过二次造浆槽和喷水系统的配合，使物料达到利于筛分的浓度，提高了筛分效率。
The screen surface of the re-pulp system adopts two-part type, which increases the secondary p-ulping trough. After the first screen mesh screening, the material concentration on the screen surface increases, which is not conducive to screening. Through the cooperation of the re-pulp trough and the spraying system, the material reaches the suitable concentration for screening, in this way, the screening efficiency is greatly improved.



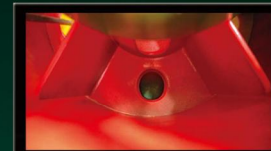
哈德洛克螺母
Hardlock nut

哈克钉拉铆
Huck rivet

筛机主体采用哈克钉拉铆，日本进口哈德洛克螺母（高铁、轮船、飞机上使用）固定主体包边设备长期运行的可靠性和稳定性，减少维护次数和工人的劳动量。
The main body of the screen machine is riveted by Huck screws, and fixed by Japan's imported hardlock screws and nuts (used on high-speed railway, ships and airplanes), so as to ensure the reliability and stability of the long-term operation of the equipment, reduce the maintenance times and the labor volume of the workers.



聚氨酯精细筛网
Polyurethane Fine Screen Mesh



分料器内部
Divider Inside

方园料浆分配器内部采用高耐磨衬胶，延长使用寿命。
High wear-resistant rubber lining is used in the side of slurry divider to prolong the servellife.



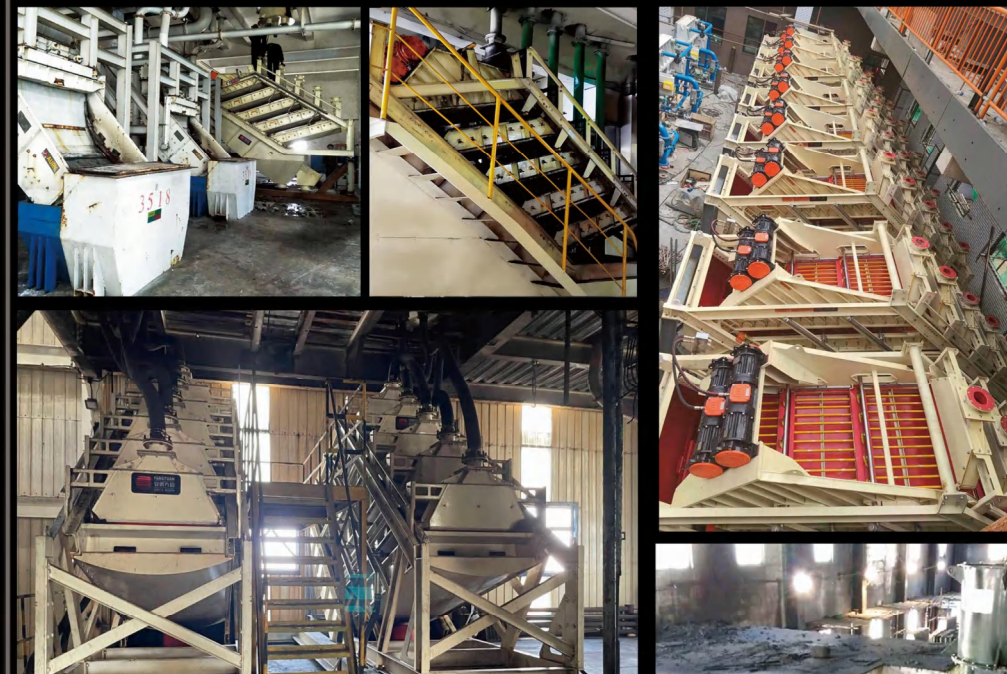
选矿部分应用现场

Application sites of mining ores



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Fangyuan promises to provide clients with high-quality, high-efficient, energy-saving and environmental protection products and services.



选煤部分应用现场

Application sites of coal mining



完善的售后服务
PERFECT-AFTER-SERVICE

售前

私人定制，核心模型技术
产品选型方案，现场测绘
提前物料免费实验方案

Private customization, core model technology for product selection scheme, on-site mapping, free experiment scheme for materials in advance.

售中

保证质量，按时交货，国内
免费指导安装，调试，
相关技术人员操作培训
定期回访产品使用情况。

Guarantee the quality, deliver the goods on time, guide the installation and debug free of charge in China, train the relevant technicians and visit the use of products regularly.

售后

本地化特殊售后服务实施
“一对一销售”随时解决
客户反馈问题，有关产品
问题保证48小时内派出最
佳现场解决人员

Localize special services, implement one-to-one sales, solve client's feedback problems at any time, and ensure to dispatch the best on-site solution personnel within 48 hours for relevant product problems