



产品宣传册
PRODUCT BROCHURE



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公司概况 — COMPANY PROFILE

Strudex工厂成立于2002年，其前身是环友橡胶制品有限公司。公司主要从事选矿工艺橡胶耐磨制品的生产。工厂拥有国际先进的数控加工中心设备、橡胶检测设备、大型液压硫化机和橡胶注射设备。

产品主要包括：浮选机转子定子、磨机衬板、模块化振动筛板等。

产品远销俄罗斯、德国、美国、哈萨克斯坦、西班牙、巴西、智利等国家。我们引领行业创新，以标准化生产流程和先进生产技术提升产品标准，专注服务矿业发展，提高选矿作业能源效率。

Strudex's factory was founded in 2002, and its predecessor was Huanyou Rubber Products. The company is mainly engaged in the production of rubber wear-resistant products in mineral processing. The factory has internationally advanced CNC machining center equipment, rubber testing equipment, large hydraulic vulcanizing machines and rubber injection equipment.

The products mainly include: flotation rotors and stators, mill liners, modular vibrating screen panels, etc.

Products are exported to Russia, Germany, the United States, Kazakhstan, Spain, Brazil, Chile and other countries. We lead industrial innovation, improve product standards with standardized production processes and advanced production technologies, concentrate on serving the development of the mining industry, and increase energy efficiency for mineral processing operations.

1 橡胶密炼中心 Rubber Mixing Production Line



2 橡胶硫化车间 Rubber Vulcanizing Workshop



3 聚氨酯设备 Polyurethane Pouring



4 橡胶实验室 The Lab



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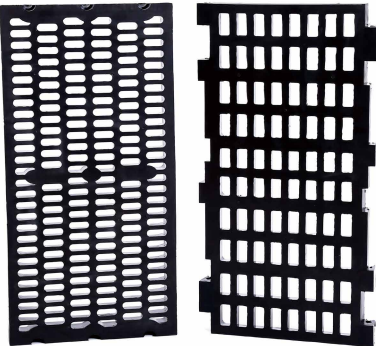
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橡胶筛板 Rubber Screen Panels

01

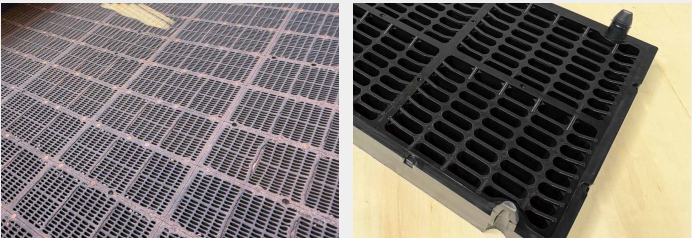
橡胶筛板可以确保整个筛面免受堵孔和物料堆积的困扰，降低噪音，并能提供出色的耐磨性能，从而保持高效筛分，节省成本，提高效益。

The rubber screen panel can ensure that the entire screen surface is free from blockage and material accumulation, reduce noise, and provide excellent wear resistance, thereby maintaining efficient screening, saving costs and improving benefits.



特点 Characteristics

- **耐冲击:** 优异的弹性模量能有效抵抗大粒径的物料冲击。
- **抗磨损:** 上层筛板寿命4-6个月，下层筛板寿命10-12个月。
- **防堵孔:** 40邵氏A硬度回弹>80%，可有效避免潮湿物料堆积。
- **定制化:** 安装方式，橡胶硬度，开孔尺寸均可定制。
- **Impact Resistance:** Excellent elastic modulus effectively resists impact from large-sized materials.
- **Wear Resistance:** The upper deck screen panel has a service life of 4–6 months, while the lower deck lasts 10–12 months.
- **Anti-clogging:** With a Shore A hardness of 40 and rebound resilience >80%, it effectively prevents the accumulation of moist materials.
- **Customization:** Installation method, rubber hardness, and opening size can all be customized.



橡胶性能表 Rubber Performance Table

Performance	Unit	Rubber 40 ShoreA	Rubber 60 ShoreA
拉伸强度/Tensile Strength	Mpa	24	24
断裂伸长率/Elongation at Break	%	830	700
抗撕裂/Tear Resistance	N/mm	38	110
密度/Density	g/cm ³	0.95	1.05
硬度/Hardness	ShoreA	38	63
磨耗/Wear Resistance	mm ³	100	60
回弹/Rebound	%	80	60

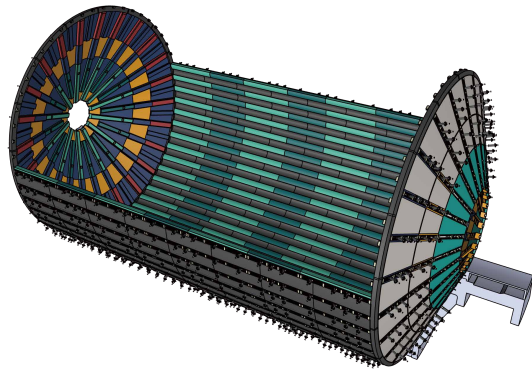
橡胶或钢橡复合磨机衬板

Rubber or Poly-met Mill Linings

02

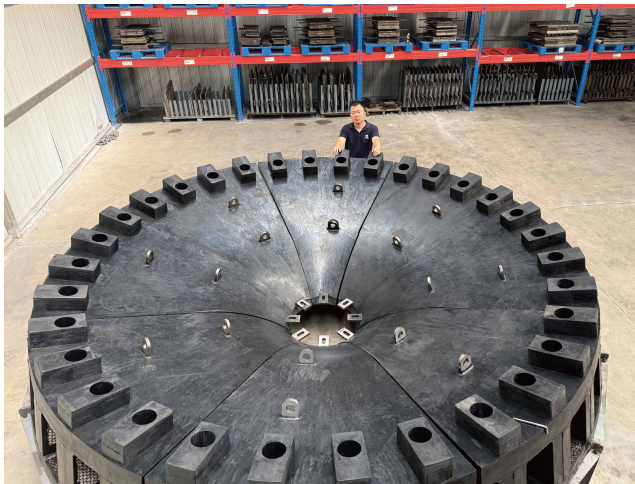
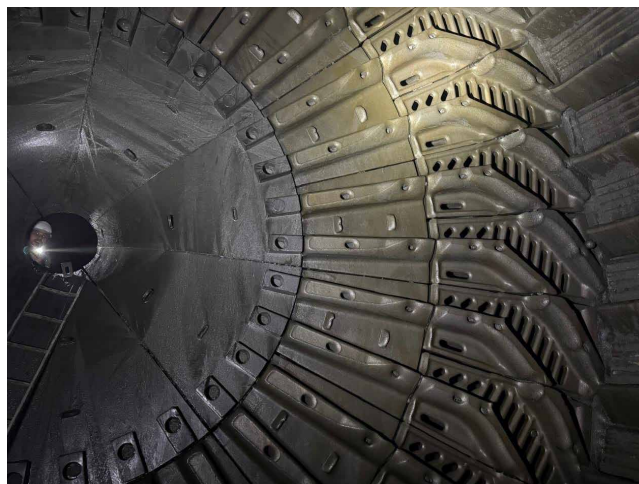
橡胶或钢橡复合磨机衬板是至关重要的部件，能够在自磨机、半自磨机和球磨机中提升研磨介质的同时，保护磨机筒体免受磨损和冲击。优化设计的衬板可提高处理量和设备运行时间，专用设计还能减少维护时间。常见类型包括筒体衬板、提升条以及矿浆排料系统。

Rubber or poly-met mill linings are essential components that protect mill shells from abrasion and impact while lifting grinding media in AG, SAG and ball mills. Optimized liners increase throughput and equipment uptime, with specialized designs reducing maintenance times. Common types include shell plates, lifter bars, and pulp discharge systems.



特点 Characteristics

- 橡胶衬板：耐磨性优异，噪音水平低，重量较轻便于安装。
- 复合衬板：钢与橡胶相结合，提供更优的耐磨寿命，重量更轻，并降低破损风险。
- 磁性衬板：利用磁力将衬板固定到位，常用于特定的高磨损区域。
- Rubber Liners: Excellent wear resistance, low noise levels, and reduced weight for easier installation.
- Composite Liners: Combine steel and rubber to provide superior wear life, lower weight, and reduced breakage risk.
- Magnetic Liners: Use magnetic force to hold the liner in place, often used in specific, high-wear areas.



磁性衬板

Magnetic Liners

03

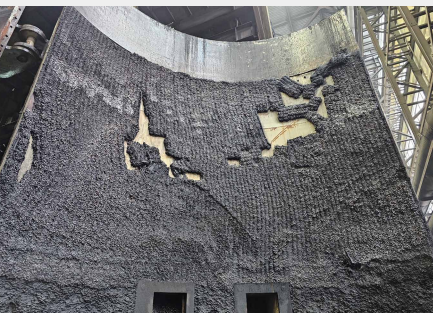
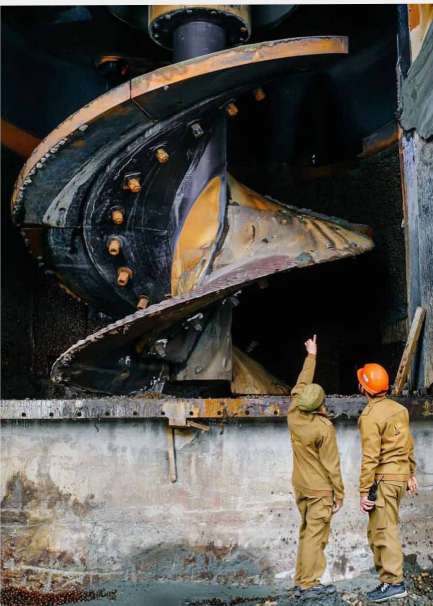
磁性衬板主要通过磁力吸附磨机内的磁性矿物和钢球碎片，形成一层厚度约 25-40mm 的自循环保护层，从而有效保护磨机筒体。在立式磨机（如 Vertimill 或 Tower Mill）中，这种技术常用于铁矿、铜矿等磁性物料的细磨和再磨阶段。

Magnetic liners primarily use magnetic force to attract magnetic minerals and steel ball debris inside the mill, forming a self-renewing protective layer approximately 25-40 mm thick, thereby effectively protecting the mill shell. In vertical mills (such as Vertimill or Tower Mill), this technology is commonly used in fine grinding and regrinding stages for magnetic materials, such as iron ore and copper ore.



特点 Characteristics

- 自愈性保护层：通过内置永磁体吸附碎钢球和磁性矿粉，形成一层“保护垫”。这层垫层会不断磨损、不断补充，使衬板基体几乎不直接接触磨损。
- 无螺栓安装：依靠自身磁力吸附在筒体内壁，无需穿孔安装螺栓。这消除了漏浆风险，并避免了螺栓断裂导致的筒体受损。
- 超长服役周期：在处理铁磁性矿物时，寿命通常是金属衬板的 5-10 倍，可连续使用 3-8 年无需更换。
- Self-healing Protective Layer: Built-in permanent magnets attract broken steel balls and magnetic ore fines to form a "protective cushion." This layer continuously wears away and replenishes itself, so the liner base barely comes into direct contact with abrasives.
- Boltless Installation: The liner attaches to the mill shell by its own magnetic force, requiring no through-hole bolts. This eliminates the risk of slurry leakage and prevents shell damage caused by broken bolts.
- Extended Service Life: When processing ferromagnetic materials, the service life is typically 5-10 times longer than that of metal liners, lasting 3-8 years of continuous operation without replacement.



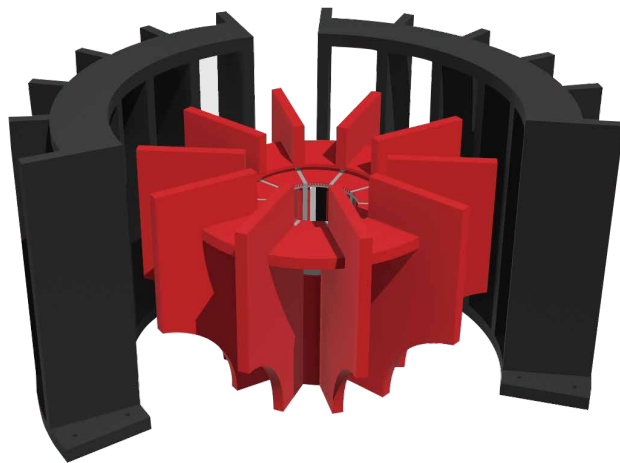
浮选机转子/定子

Flotation Rotors/Stators

04

在机械搅拌式浮选机中，转子和定子（也称为叶轮和扩散器）构成“搅拌机构”，为矿物分离提供动力。它们是关键耐磨部件，决定着从回收率到能耗的各项指标。

In a mechanical flotation cell, the rotor and stator (also called the impeller and diffuser) form the "mixing mechanism" that powers mineral separation. They are critical wear parts that determine everything from recovery rates to energy consumption.



特点 Characteristics

- 聚氨酯 (PU)：具有高强度和良好的弹性；在许多工况下，使用寿命可达金属件的3至5倍。
- 天然橡胶：具有优异的抗冲击性能和化学稳定性；通常模压在钢制骨架上以增强强度。
- Polyurethane (PU): High strength and elasticity; can last 3-5 times longer than metal in many environments.
- Natural Rubber: Excellent impact resistance and chemical stability; often molded onto a steel skeleton for strength.



聚氨酯刮刀

Polyurethane Scrapers

05

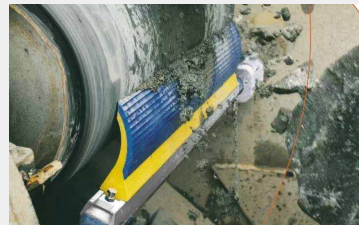
适用于加工高磨蚀性物料（例如铁矿石）或易粘附在输送带上的物料（例如粘土）。它是柔软性和强度的完美结合。

The polyurethane scraper is suitable for applications with materials that are very abrasive (e.g. iron ore) or tend to adhere to the belt (e.g. clay). It is the perfect combination of softness and strength.



特点 Characteristics

- 双硬度设计：刚性底座确保安装稳固，柔性尖端实现高效且不损伤皮带的清扫。
- 优异的耐磨性：比传统刮板更耐用，减少停机时间。
- 对皮带友好：无金属接触，不会损伤接头。
- Dual-hardness Design: Rigid base for stable mounting, soft tip for efficient, non-damaging cleaning.
- Excellent Wear Resistance: Outlasts traditional scrapers, reducing downtime.
- Gentle on Belts: No metal contact, no splice damage.



缓冲床

Impact Beds

06

缓冲床的设计目的是在落料点吸收重型物料落到输送带上时产生的冲击。

The impact beds are designed to absorb the shock of heavy material falling on the belt at the loading point.

特点 Characteristics

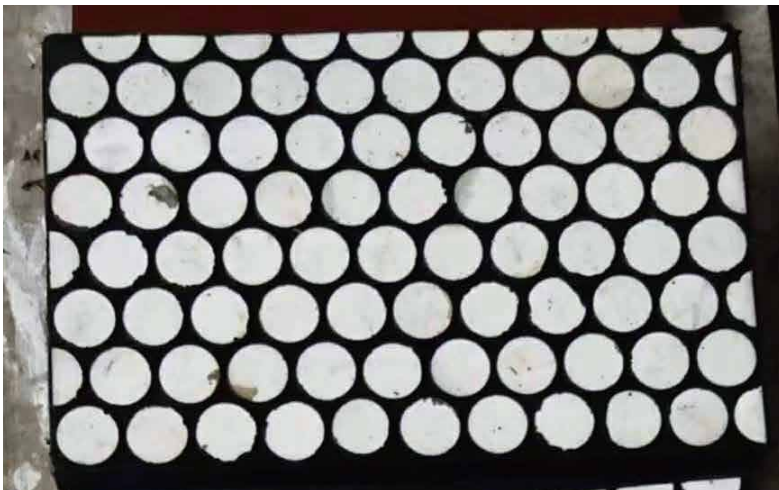
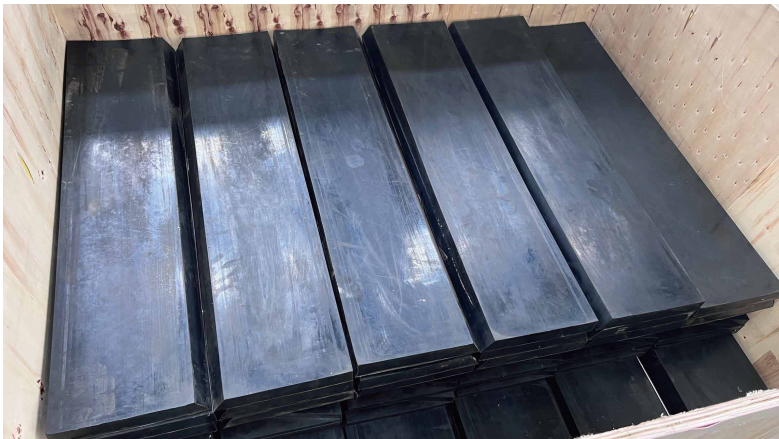
- 寿命长：它可显著延长输送带的使用寿命。
- 贴合佳：可调节链条系统使其能够与输送带轮廓完美匹配。
- 更换省：链条系统可单独更换，减少更换成本。
- Extend Life: It extremely extends conveyor belt lifespan.
- Precise Fit: Adjustable chain system allows for a perfect fit with the belt profile.
- Easy Change: Adjustable chain system can be changed easily, reducing the cost of maintenance operations.



其他矿用耐磨制品

Other Mining Wear-resistant Products

销钉、楔块、轨座、渣浆泵叶轮、侧护板、陶瓷衬板、喂料箱衬板
Pins& sleeves, wedges, seat rails, slurry pump impellers, side liners, ceramic liner, feedbox linings



客户访厂

Our Clients On-site



为美卓（Metso）子公司供应橡胶和聚氨酯筛板
Supplying rubber and polyurethane screen panels for Metso subsidiary



与苏尔寿（Sulzer）合作开发用于渣浆泵的橡胶叶轮
Developing rubber impellers for slurry pump with Sulzer



与艾法史密斯（FLSmidth）合作开发用于立式磨机的磁性衬板
Developing magnetic mill liners for vertical mill with FLSmidth



为莫图泰克(Multotec) 中国分公司供应橡胶筛板
Supplying rubber screen panels for Multotec China branch