

BAYTAIN RUBBER AND PLASTIC PRODUCTS CO.,LTD

PRODUCTS CATALOGUE



COMPANY PROFILE

BAYTAIN was founded in 1989 and rising its business rapidly and widely. It has professional level and sophisticated technology in the field of wear-resistant rubber and polyurethane products. BAYTAIN is one of the global market leaders in the manufacture and supply of wear-resistant rubber products and polyurethane products in China, which is widely used in mining industry and mineral area. Our aim is constantly improving the products quality through science and technology method.

In the process of development, BAYTAIN has exchanged and cooperated with many domestic departments and research institutes. It helped us improved our design, production, maintenance, commissioning and engineering renovation capabilities. Promoting BAYTAIN to the world's first - grade company for rubber products and polyurethane products, which is suitable for all of existing brands of preparation machine in mining area.

Nowadays, BAYTAIN pursues the policy of being realistic, rigorous and united, constantly provide high-quality rubber products and polyurethane products, also, BAYTAIN supports effective engineering design, transformation and perfect after-sales service. BAYTAIN is striving to become the best mining solution specialist in the world and provide the best quality and service to our customers.

MAIN BUSINESS

SLURRY PIPE

**SPARES OF
FLOTATION
MACHINE**

**SCREENING
PANEL SERIES**

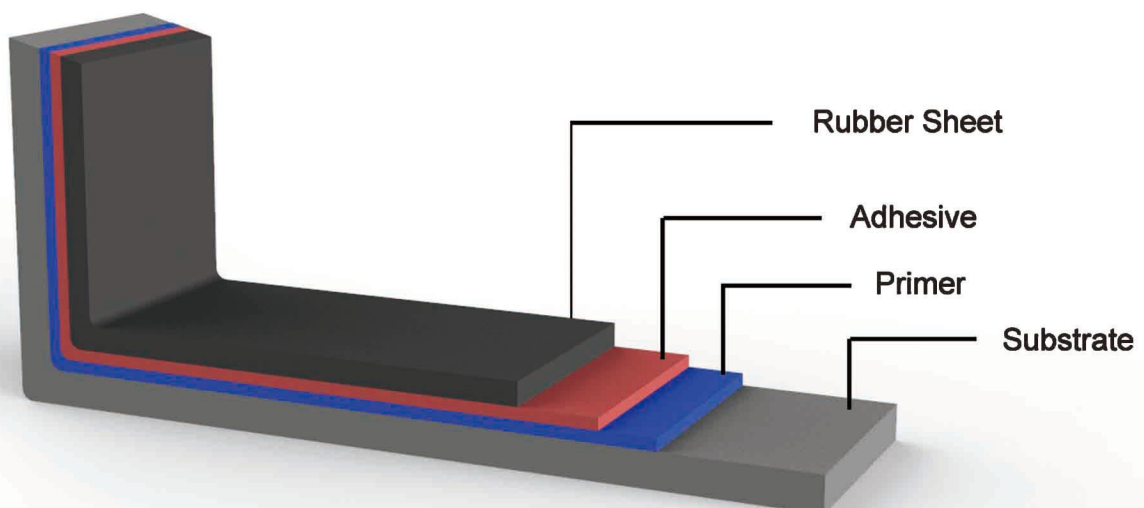
**CONVEYOR
BELTS**

**RUBBER
LINERS**

What is rubber lining?

Rubber lining is an application method used to protect multiple types of systems by lining corrosion and abrasion-resistant rubber upon the surface of metal skeleton. Lining process is done by hands by our experienced staff to finish a made-up articles, so having application accuracy by qualified liners and crews are necessary.

The facilities, which need to be lined, need different working conditions and environment for each customer. Therefore, selecting the most suitable material is crucial procedure that we provide to cater to their specification.



Why rubber lining?

Corrosion occurs when a metal is immersed in liquid which contains water or corrosive substances. In mining and aggregate working conditions, most of users will choose rubber because it will solve this problem.

Firstly, in most cases, metal surfaces can't compete with rubber for long-term abrasion resistance. Rubber lining provides excellent corrosion resistance by applying the rubber sheets onto the metal surface to protect the steel substrate from corrosive environment.

Secondly, rubber lining can absorb great impact, when you are going to reduce the shock and damaging vibration of severe impact, rubber lining maximized the service life of equipment and dramatically decreases your cost.

Thirdly, noise pollution is a key consideration of the environment and impact the people who are working on and living around job sites. Rubber lining will reduce noise emission significantly.

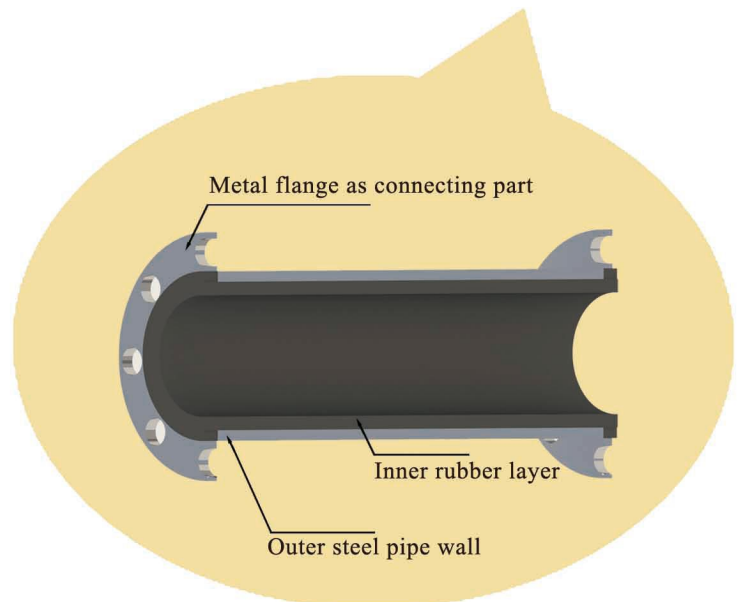
As versatile as rubber and polyurethane material is, it sometimes needs additional characteristics to enhance its performance. BAYTAIN manufactures products based on your particular needs and your specifications, giving you a truly custom manufactured product. We formulate premium grade raw material of rubber and plastic with other special ingredients compound to fit the function, but we also have the enhanced technology to incorporate steel, polyethylene, rubber and more to increase the products performance. Bonding rubber or polyurethane to these materials requires knowledge and experience.

SLURRY PIPE

Rubber lined steel pipe

The rubber lined steel pipes are designed to be used in various abrasive pumping applications. Applications such as mill discharge, high pressure pumps, long tailings lines, demanding slurry pump applications and gravity pipes. Each end with vulcanized rubber seal fixed flange.

Wear-resistant and corrosion-resistant rubber lined steel pipe is made of common steel pipe as framework material and using with excellent properties of wear-resistant, corrosion-resistant and heat-resistant rubber as lining layer. It is compounded by special technology with high-performance adhesive. Mainly used in metallurgy, electric power, chemical industry, petroleum, coal, cement and other industries area. In the mining work, it is widely used in the mine tailings conveying system, coal mine backfilling and related pipe system fields. In particular, the pipeline is very suitable for conveying the temperature between -50°C to $+150^{\circ}\text{C}$ medium, which is easy to wear and corrosion. We can increase the wall thickness at the pipe corner according to the customer's demand, thus extending the service life. Meanwhile, the service life of the rubber-lined steel pipe can reach 15-40 years in general. The pipe can be rotated nearly 90 degrees after 6-8 years of service. Each time of rotation can extend the serving life, Steel pipe can be repeatedly lined with rubber for three to four times, thus it reducing the use of costs in further.



Parts of specification for rubber-lined pipe



<i>OD/mm</i>	<i>Pipe wall thickness/mm</i>	<i>Working pressure/MPa</i>
450	10~50	0~25.0
480	10~70	0~32.0
510	10~45	0~20.0
530	10~50	0~22.0
550	10~50	0~20.0
560	10~50	0~21.0
610	10~55	0~20.0
630	10~50	0~18.0
720	10~60	0~19.0

Physical Properties of rubber-lined pipe



<i>Item</i>	<i>Standard</i>
<i>Thickness of lining (MPa)=</i>	16.5
<i>The lining and the skeleton 180°peel strength (KN/m) =</i>	8
<i>Elongation at the lining (%) =</i>	550
<i>The lining of the lining is stretched (300%, MPa) =</i>	4
<i>The lining layer atonal abrasion loss(cm³/1.61km) =</i>	0.1
<i>Lining hardness (Sauer type A)</i>	60±5
<i>The rate of change of the intensity of the thermal ageing of the lining (70°Cx72 h, %)≤</i>	10

FEATURES:

1. Excellent construction
2. Good wear resistance and long service life
3. High strength and high impact resistance
4. Good corrosion resistance
5. Wide temperature range
6. Quick connection and easy installation





Polyurethane lined steel pipe

Polyurethane lined steel pipe is a high wear resistant pipeline product, which is widely used in mineral processing pipelines and tailing transmission pipelines. Fossil-fuel power station use the pipeline for coal and ash removal systems, as well as for oil, chemical, cement and grain industries.

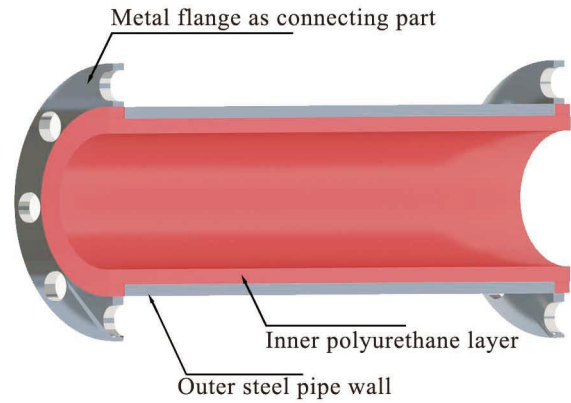
FEATURES:

1. Wear-resistant
2. Prevent scaling
3. Corrosion resistance
4. Resistance to hydrolysis aging
5. High elasticity
6. Resistance to mechanical shock
7. Self-lubrication

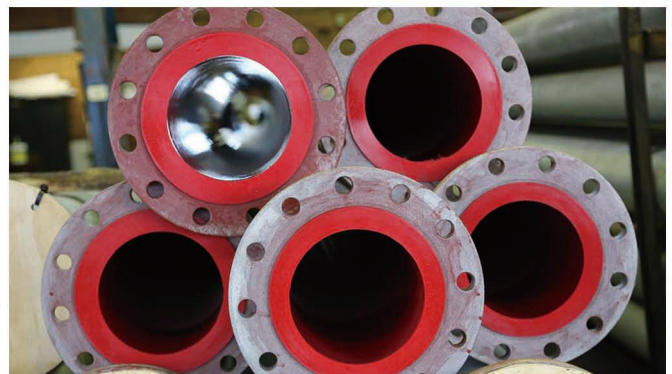
BAYTAIN selects the premium master batch with nano-modified approach to strength the polyurethane material's function. It makes the polyurethane lined products with more steady chemical structure and demonstrate its adaptability in the working circumstance.

The polyurethane lined steel pipe, as one of domestic patent of mining product in BAYTAIN, is popular and being used by our mining customers.

Comparison of properties between common polyurethane and nano-modified polyurethane



Testing item	Common polyurethane test index	(nano-modified) polyurethane
Tensile strength	15-21MPa	19-28MPa
300%setting the stretching strength	8-10MPa	11-13MPa
Tensile elongation	400-500%	400-500%
Break permanent deformation	5-8	5-8
The tear strength	5MPa/cm	6.8MPa/cm
Shear strength	6MPa/cm ²	8.1MPa/cm ²
Avulsion intensity	7.5MPa/cm ²	11MPa/cm ²
Peel strength	1.4MPa/2.5 cm ²	2.1MPa/2.5 cm ²
Akron abrasion	0.045cm ³ /1.61km	0.008cm ³ /1.61km
Low temperature brittleness	-42	-70
Hardness (shaw A)	60-100	60-100
The density	1.12	1.12



Flexible slurry rubber hose

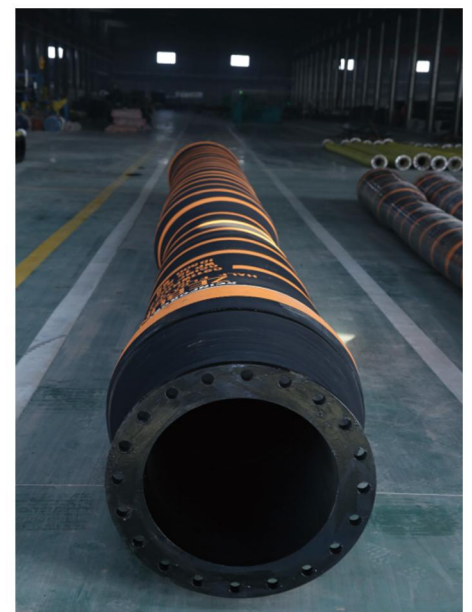
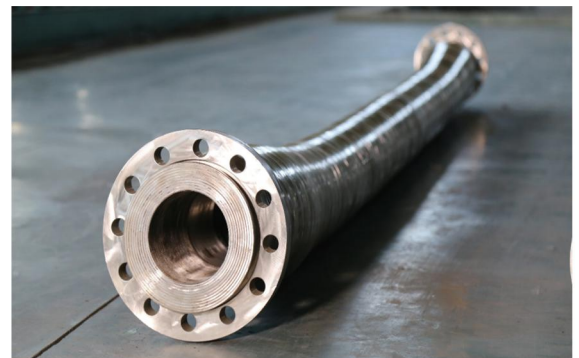
The flexible slurry rubber hose is compounded by NR, BR and SBR compound synthetic rubber. It is using high tensile strength fabrics with steel ring as skeleton of reinforcement.

The flexible rubber hose always being installed in between the pump and cutter of the dredger, which bears negative working pressure during the sucking process of slurry.

The flexible rubber hose & Armored hose, with HB steel ring inside, is suitable for transfer of abrasive slurries, mineral processing plants, tailings lines, sand and gravel. Also available in custom designs for specialty applications such as fluids or slurries containing chemicals, acids and hydrocarbons.

End Connections: Fixed Flange, Beaded End Swivel Flange, Full Spigot Fixed Flange, Full Spigot Swivel Flange, Double Flange, Plain Cut End, Full Spigot Custom (eg, Grooved, Coupling, etc)

End Material: Carbon Steel, Stainless Steel, Exotic Alloy (consult factory for special requirement)



Pressure Rating: Up to 5000kPa as standard

(consult factory for special requirement)

Temperature Rating: -30°C to +75°C as standard

(consult factory for special requirement)

<i>Size(inch)</i>	<i>I.D. (mm)</i>	<i>W.P. (bar)</i>	<i>LENGTH (meter)</i>
8	200	15-20	11.8
10	250	15-20	11.8
12	300	15-20	11.8
16	400	15-20	11.8
20	500	15-20	11.8
24	600	15-20	11.8
26	650	15-20	11.8
30	750	15-20	11.8
32	800	15-20	11.8
34	850	15-20	11.8

Ceramic lined rubber hose

The ceramic lined rubber hose is using in highly aggressive circumstance where the conventional unlined rubber hose requires frequent replacement. Also, ceramic lined rubber hose can be installed at some kind of vibration machinery or with some non-stationary equipment. It can increase the selection for engineers with widely approaches of installation and operation.

Features:

1. Wear resistance

The wear resistance of ceramic lined rubber hose is 10 times higher than that of ordinary steel pipe, and is 20 times more than that of common hose;

2. Corrosion resistance

Ceramic and high-quality anti - corrosive rubber can resist all the harsh conditions;

3. Impact resistance

The impact on ceramics force moment by rubber buffer and absorption, wear-resistant ceramic rubber hose for larger particles impact;

4. Light weight

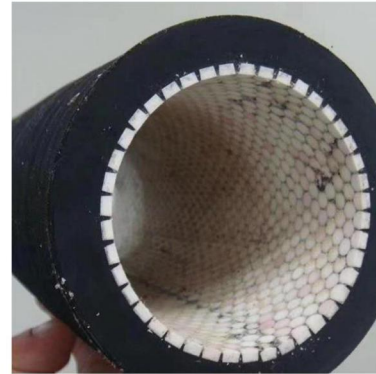
Weight is only 30% of steel pipes;

5. Flexible

The design of the cylindrical ceramic inside the rubber and the precise arrangement make the pipe with good flexibility, large angle bending will not have any effect on the ceramic;

6. Convenient and quick installation

Provide with connections of fixed flange, active flange, screw, or quick connector.

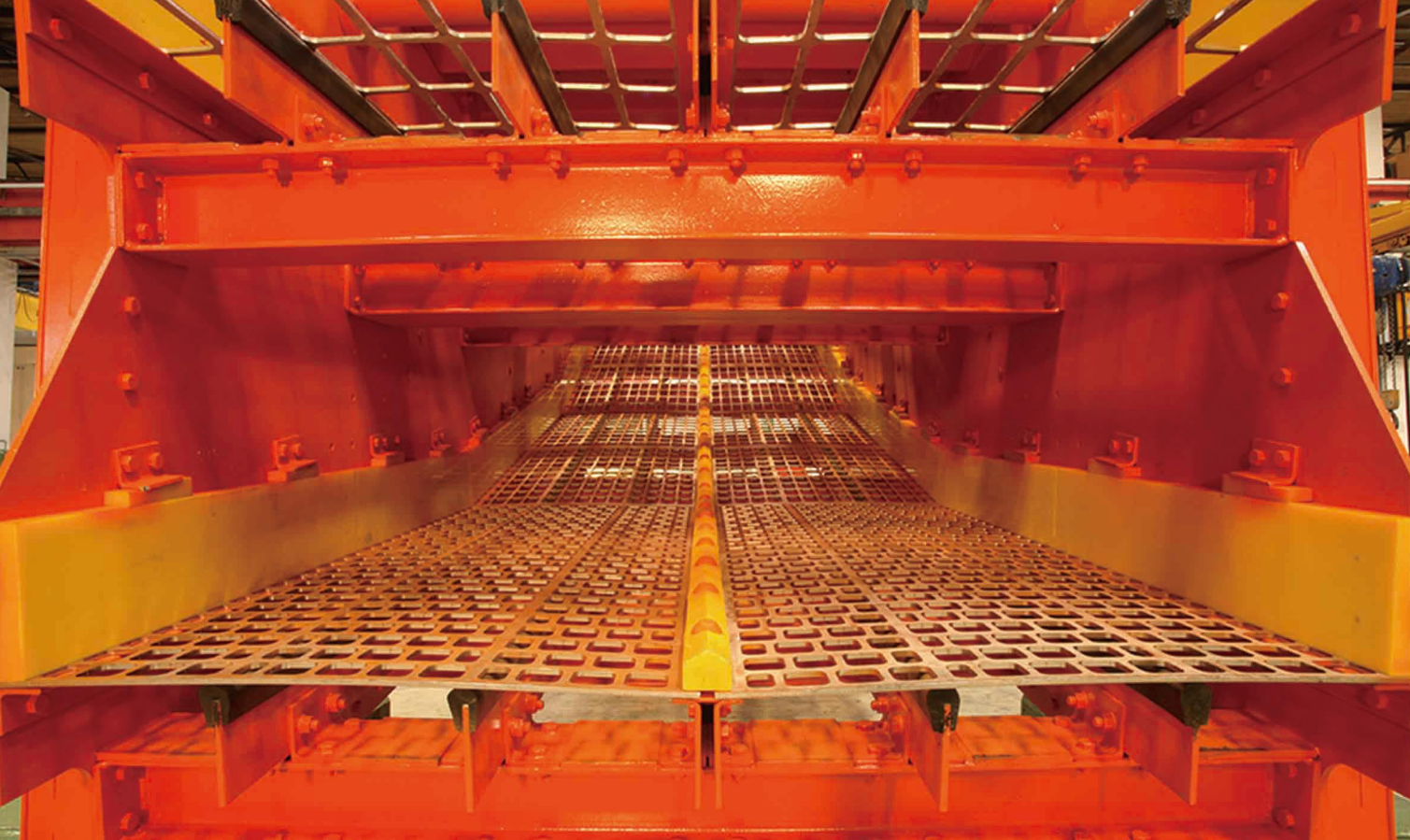


Technical Specifications:

- 1.) Diameter Sizes from 1 inch up to 24 inch
- 2.) Lengths up to 20 meters
- 3.) Maximum operating pressure of 150 Psi
- 4.) Maximum operating temperature of 250°F

Date of dimension

Size(inch)	I.D(inch)	O.D(inch)	Max Length(ft)	Min bend radius(inch)
1	1.00	1.65	32LF	20
1¼	1.25	1.97	32LF	25
1½	1.50	2.20	32LF	30
2	2.00	2.83	65LF	40
2½	2.67	3.70	65LF	54
3	3.00	4.13	65LF	60
3½	3.27	4.72	65LF	64
4	4.00	5.51	65LF	80
6	6.00	7.48	65LF	120
8	7.64	9.25	32LF	153
10	9.65	11.42	32LF	193
12	11.77	13.78	32LF	235



SCREENING PANEL SERIES

The screening panel is an important core part of screening equipment. When the vibration screen is vibrating, through the different shapes and geometrical sizes and under the action of external forces, the raw material will be separated and achieve the purpose of grading. All kinds of properties of material, different structure and material of screening panel or tension and various parameters of screening machine have certain influence on screen ability, efficiency, running rate and life. Different materials, different places, should choose different screening panels to achieve better screen effect.

Depends on different equipment, requirement and circumstance, the screening can be separated by below series:

- 1.Modular series;
- 2.Tension series;
- 3.Panel series;

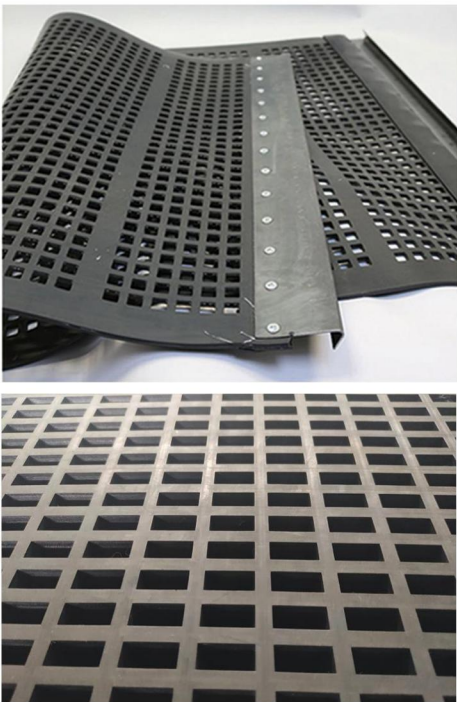
The connection with the equipment is generally divided into: mosaic connection, bolt connection, pressure bar connection, screening hook connection and so on.

Mining Applications:

- 1.Pre-grinding ore;
- 2.Pre- heap leach;
- 3.High grade ferrous ore;
- 4.Mill discharge screens;
- 5.Dense media circuits;
- 6.Control screening - fine removal.

Rubber Screening System

Rubber screen system is unique in structure design, in addition to the use of high wear-resistant rubber molding process (this process avoids the traditional punching method in the process of the product damage), the product not only has a high porosity, but also has a uniform opening. The space rib will never break. Compared to wire screens, which have a lower opening screening area on smaller apertures. Our rubber screening is manufactured by high wear-resistant materials, they are ideal as complete decks on larger screen boxes or as an impact section. These screens are available in a range of square or slotted apertures to suit all types of grading requirements.



Working parameter of rubber screening products

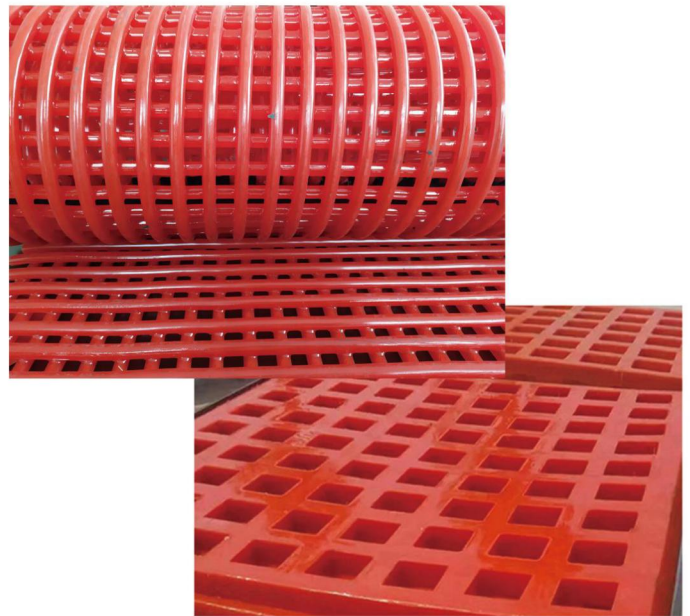
Property	Units	Value
Hardness	Shore A	63
Tensile strength	MPa	19 ±10
Break elongation	%	660 ±10
Tear strength	N/mm	313
Abrasion Loss	%	37
Operating temperatures		-30 °C to + 60 °C
Color		Black

FEATURES:

- 1.High screening efficiency
- 2.No screen plugging
- 3.Long service life
- 4.Oil resistance
- 5.Corrosion resistance
- 6.Wear resistance

Polyurethane Screening System

The polyurethane screening system makes full use of the excellent wear-resistance of the polyurethane elastomer, showing the high strength, high elongation and high elasticity in the hardness range. Especially, our polyurethane tension screens built with metal cable reinforcement. This design technique increases the polyurethane's resistance to strain and load by absorbing the tension. The flexibility is ideal for uses when screening materials either build up on the screening surface or wedge during screening. Manufactured to any size or specification to enable it to fit any machine. The polyurethane panels can also be very quickly replaced without the need for specialist knowledge or tools. There are a variety of different accessories to enable uses over a broad range of applications.



Working parameter of polyurethane screening products

Items	Units	Parameters			
Hardness	Shore A	65	70	75	80
Tension strength	MPa	10	11.5	13.5	16
Break elongation	%	410	400	395	390
Shear strength	N/mm	33	43	47	55
Wear- resistance of DIN	MM3	98	50	39	35
Rebound rate	%	80	70	69	67

FEATURES:

- 1.Good shock absorption
- 2.Oil resistance
- 3.Low temperature resistance
- 4.Heat aging resistance
- 5.Corrosion resistance
- 6.Electrical insulation
- 7.Wear resistance
- 8.Self-cleaning
- 9.Energy saving

SPARES OF FLOTATION MACHINE

The stator and rotor, mainly used in flotation machine of XJK series, XJQ series, SF series, BF series, KYF series, XCF series, JF series, BS-K series.

Rubber Stator and Rotor of Flotation Machine

The rotor and stator of the flotation machine are mainly composed by metal skeleton inserts and wear-resistant rubber. Metal skeleton inserts are made of advanced flame cutting and then welded accurately under strict process standards. The strength and balance performance of the skeleton inserts are guaranteed by balancing detection through dynamic balancer. The rubber rotor and stator of flotation machine surface were bonded with wear-resistant rubber and then vulcanized at high temperature.

Our company has 3600 tons of super large flat plate vulcanizer and have the capability to produce the rotor and stator of flotation machine from diameter 200 to 2400 mm. If the demand is more special, we can customize it according to customer requirements.



3600 tons of super large flat plate vulcanizer in BAYTAIN



The rubber lined KYF stator and rotor with resistance to wear and erosion

Properties of rubber material

Item	Unit	Index
Tensile strength =		17
Acid (base) coefficient 20% H ₂ SO ₄ (20% NaOH) 18 ℃ x 24h		0.8
Elongation at break =	%	450
Hardness	Shore hardness A	55±5
Hot air aging coefficient=90 ℃ x 24h		0.75
Abrasion loss	cm ³ /1.61km	0.7
Metals and layer adhesion=	MPa	2.5
Tearing permanent deformation=	%	30
Oil coefficient 20# oil 100 ℃ x 24h	%	±10-5

FEATURES:

1. Abrasion resistance
2. Tear resistance
3. Impact resistance
4. Chemical stability
5. Long service life

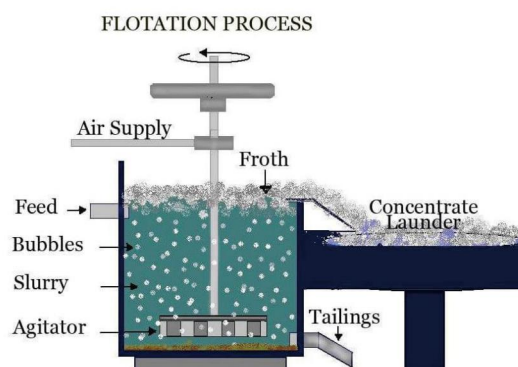


Polyurethane flotation machine stator and rotor

The stator and rotor are the central components of flotation machine, which are mainly applied in benefit of metals or non-metal. Polyurethane stator and rotor is a kind of resistant spares of flotation machine with widely properties, as polyurethane has high strength as plastic and as high elastic as rubber. Special material configuration and advanced production technology make BAYTAIN polyurethane stator and rotor have more reliable stability. Choosing appropriate model of rotors and stators of flotation machine depending on minerals and slurries.

FEATURES

1. Abrasion resistance
2. Self-lubricity
3. Light weight and easy to install
4. Save energy and electricity
5. Long service life



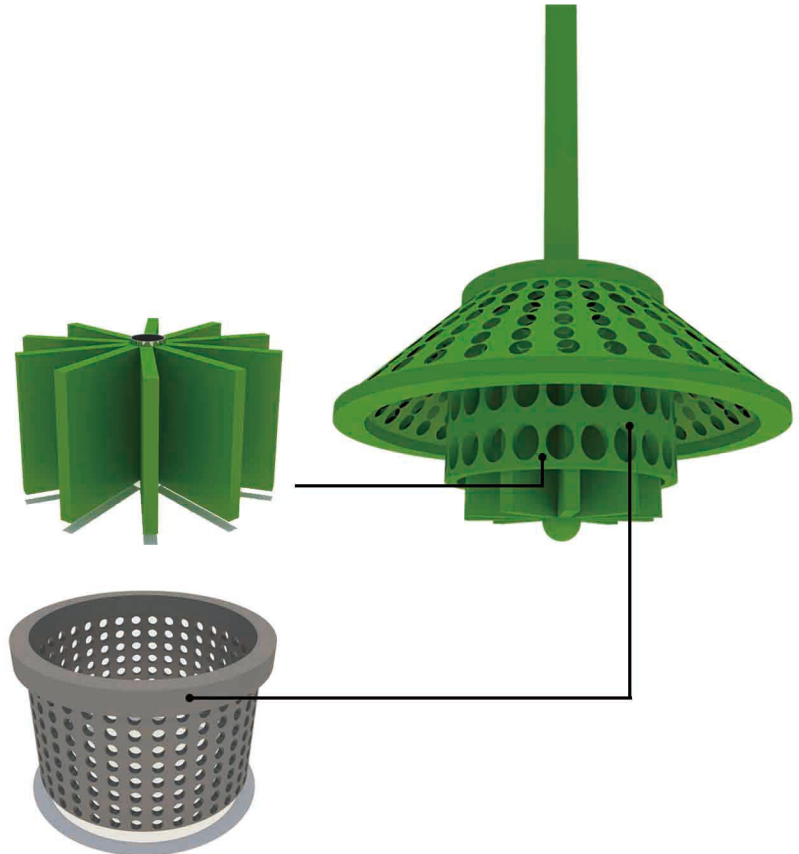
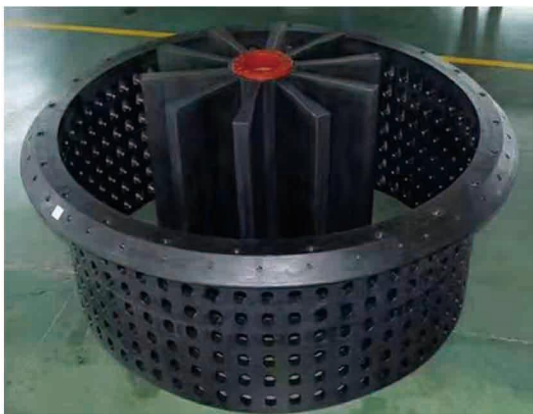
Flotation Wear Components

Rotors

- High abrasion resistance
- High wear resistance
- Steel is omitted in specific areas of rotors to enhance polyurethane shock absorption which limits vibration fatigue.

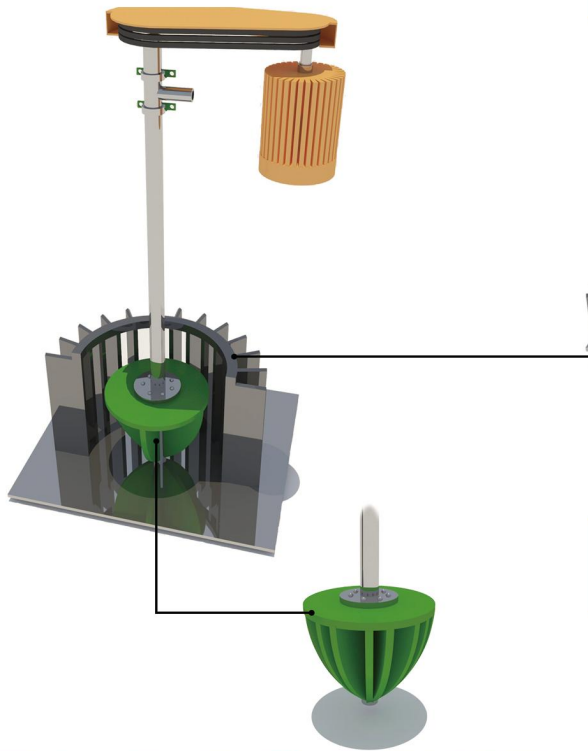
Dispersers

- No steel in working area
- High abrasion resistance
- High impact resistance



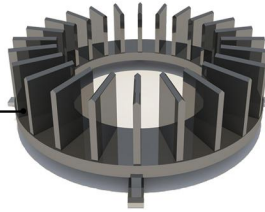
Wear solution

- Detecting the wear patterns and rate in the critical area and reinforce the characterize through the working process.
- By using more rubber or polyurethane material to the place where need most in the whole part. And this will elongate life for working.
- Giving professional inspection and maintenance when using it by our customers. And getting the regular update report in the operation process, which will supply and increase the plant availability.



Stators

- High wear resistance
- High impact resistance



Rotors

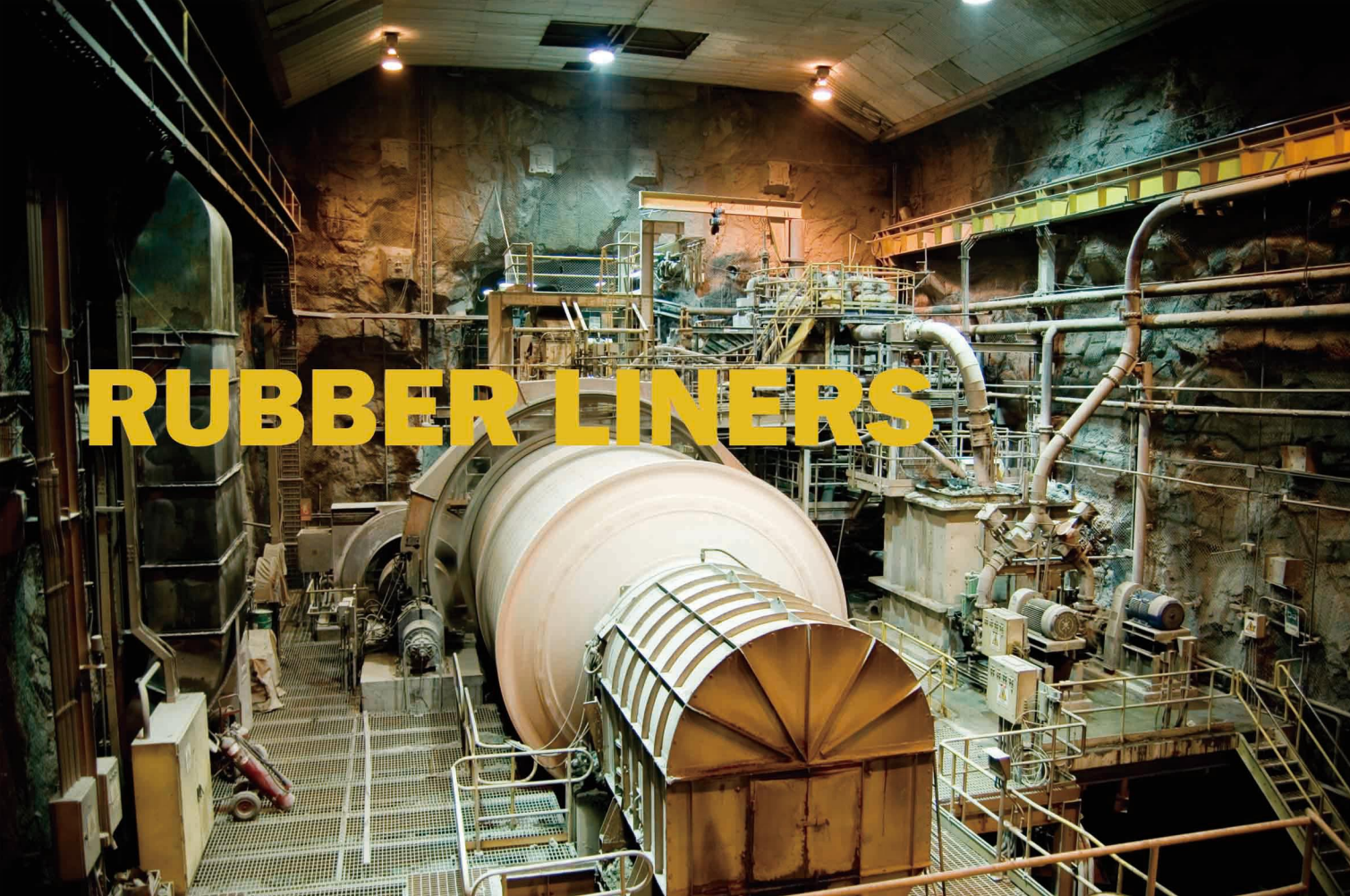
- High abrasion resistance
- High wear resistance
- Steel is omitted in specific areas of rotors to enhance polyurethane shock absorption which limits vibration fatigue.



Steel Skeleton

- The raw material is using 3CR12 stainless steel bosses, in case of rust and bolt in locking.
- Welding process reply on ISO standards by experienced workers and keep the balance and accurate when grooving.
- Customizing work depends on client's requirement or find the solution from our technology team.





RUBBER LINERS

The rubber liner is gradually replacing the manganese steel liner. It can bear strong impact of resistance. The yield of your grinding circuits is highly dependent on your mill's rubber liner. Select right of your rubber liner supplier carefully will make sure your milling process runs at maximum capacity and availability.

Rubber liners is usually suitable for wet grinding, the temperature is not higher than 80 degrees of normal work, but for high-temperature dry grinding, strong acid and Alkali resistance, oil resistance and other special environment, need to be explained in advance by separate design formula and custom made, in addition, the storage process must be placed in indoor proper custody, it intends the rubber liners to prevent outdoor exposure under the high temperature and rain.

According to the purpose, the rubber liners is divided used in: AG, SAG, ball, pebble, rod & batch mills, FGD, SMD and continuous mills.

According to the shape, it is divided into overflow type, grid type and multi-bin type, which can meet the requirements of one-stage rough grinding and two-stage fine grinding.

We can customize all kinds of high-quality and high wear-resistant rubber liners according to the needs of each customer.

Physical Properties index

<i>Performance</i>	<i>Unit</i>	<i>Index</i>
<i>Breaking strength</i>	<i>MPa=</i>	<i>18</i>
<i>Elongation at break</i>	<i>%=</i>	<i>420</i>
<i>300%of constant stress</i>	<i>MPa=</i>	<i>12</i>
<i>Hardness</i>	<i>Shore A(degree)</i>	<i>64-68</i>
<i>Akron abrasion</i>	<i>cm³/1.61km</i>	<i>0.1</i>
<i>Impact elasticity</i>	<i>%=</i>	<i>45</i>
<i>Tearing permanent deformation</i>	<i>%=</i>	<i>10</i>
<i>The adhesion of rubber and metal</i>	<i>KN/m</i>	<i>6</i>

FEATURES:

1. Low energy consumption
2. High wear resistance
3. Low maintenance
4. Impact resistance
5. Low noise
6. Easy to install
7. Corrosion resistant
8. Saving of steel balls

Mill Rubber Liners Engineered for Performance

①&② Lifter Bars

Lifter Bars are available in a range of widths, heights and rubber or composite profiles. Lifter Bars incorporating a steel insert are designed to provide maximum impact and abrasion resistance.

③ Filling & Corner Segments

Filling and Corner Segments are designed to lock the Head Plates and Grate Plates into position and stop material racing in the corners.

④ Head Plates

Rubber Head Plates are available in various designs to combat sliding abrasion. Head Plates are designed to facilitate ease of installation and handling

⑤ Grate Plates

Heavy-duty Grate Plates designs are available for large mills. The elastic property of rubber allows for smaller slots than steel grates whilst eliminating blinding problems. Available in a range of aperture sizes.

⑥ Centre Cones & Trunnion & Bell Mouth Liners

Centre Cones can be designed in segments for ease of installation.

Trunnion & Bell Mouth Liners

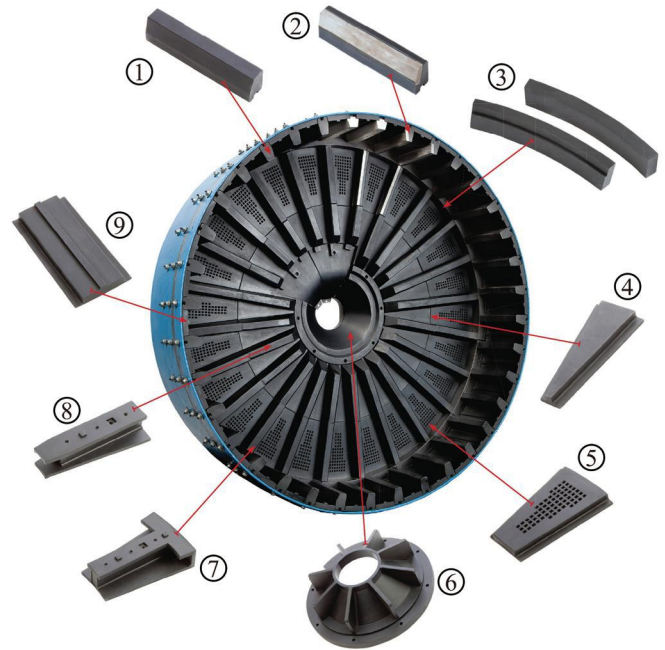
Trunnion Liners are manufactured from a fabricated steel base, which are then rubber lined. Loose steel-backed rubber liners are also used in larger Trunnion and Bell Mouth linings.

⑦ Outer Pulp Lifters/⑧ Inner Pulp Lifters

Rubber lined Pulp Lifters are designed to provide the correct discharge of the pulp through the mill in order to minimize bottle-necks.

⑨ Shell Plates

The thickness of the shell plates can vary in order to increase mill capacity and/ or liner life. The width is designed for optimum protection from the lifter bars.





A conveyor belt is the carrying medium of a belt conveyor system (often shortened to belt conveyor). A belt conveyor system is one of many types of conveyor systems. A belt conveyor system consists of two or more pulleys (sometimes referred to as drums), with an endless loop of carrying medium—the conveyor belt—that rotates about them. One or both of the pulleys are powered, moving the belt and the material on the belt forward. The powered pulley is called the drive pulley while the unpowered pulley is called the idler pulley. There are two main industrial classes of belt conveyors; Those in general material handling such as those moving boxes along inside a factory and bulk material handling such as those used to transport large volumes of resources and agricultural materials, such as grain, salt, coal, ore, sand, overburden and more.

A heavy rubber conveyor belt is primarily meant for use as an abrasion resistant material. The hard black rubber material is a blend of neoprene, nitrile, and styrene butadiene rubber (SBR) and comes inserted with a cloth fabric. This cloth-inserted rubber is therefore ideal for use as industrial level pads, strips, and flaps. It is especially well suited for use a rubber belt conveyor for various industrial machines. Use this reinforced rubber when durability is a necessary aspect for the application.

Highly Durable: The heavy conveyor belt material is the perfect choice for any industrial applications that involve physically harsh conditions. The rubber material is compounded to offer superb abrasion resistance and impact absorption. Given its superior strength, this hard black rubber material can act as an effective barrier between two sensitive objects.

Cloth-Inserted Rubber: The unique and distinguishing feature about the rubber conveyor belt is that the rubber material is impregnated with a cloth fabric. It is a synthetic fabric material that greatly reduces the amount that the rubber can stretch. This gives the rubber belt conveyor a more solid and stable form. The presence of this fabric inside the rubber makes this reinforced rubber ideal for mechanical fastening applications where the rubber part needs to keep its form and not drag or deform over time. We offer this material in a 2ply (two fabric sheets) and a 3ply (three fabric sheets) option.

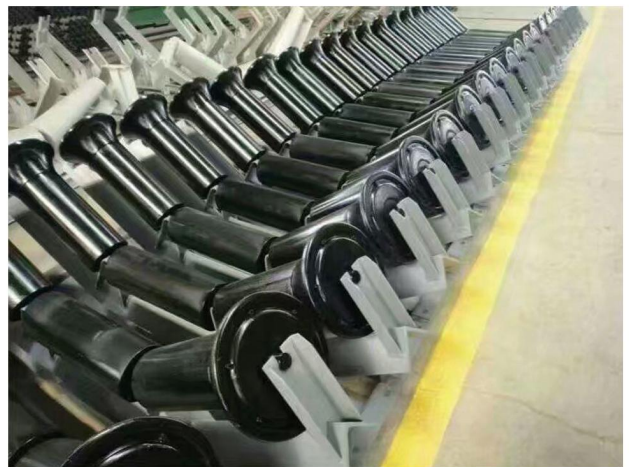
Chemical Resistance: Thanks to the unique blend of different synthetic rubbers in this product, it will exhibit a stronger resistance to oils and chemicals than most other elastomers. While the SBR gives this cloth-inserted rubber a better degree of physical durability, the neoprene and nitrile rubbers enhance other characteristics. The nitrile rubber allows the heavy rubber conveyor belt to resist natural and synthetic oils and other petroleum based solvents. Neoprene brings its excellent all-around chemical resistance traits to make this rubber resist the degrading effects of several chemicals.

More Benefits:

- Working temperature range of -20° F to 200° F
- Available in custom specifications to suit your applications
- Rubber belt conveyor roll available in up to 250 feet continuous
- Ideal for use in take away conveyors transferring abrasive physical materials

Conveyor rollers

Conveyor rollers are used in unpowered (gravity-flow) roller conveyors, powered roller conveyors, roller-bed belt conveyors, and material transport stands to support and move bulky items such as boxes and totes. These replacement rollers can be used to replace or upgrade the existing rollers on compatible conveyors or stands. Each roller has a spring-retained axle that can be pushed in to install or remove the roller from the conveyor frame or stand. The rollers let loads roll from one place to another, reducing the effort it takes to move the loads in warehousing, package handling, manufacturing, and distribution tasks. Loads roll forward and back on the rollers, and they can be pushed from side to side along the width of the conveyor.



Conveyor accessories

- conveyor rollers
- roller garlands
- carrying frames
- drive, bend take-up and snub pulley applications
- manual and automatic take-ups
- pulleys with frictional lagging
- rubber cushion impact discs and backup discs
- conveyor pulley
- conveyor idler
- conveyor drums

Materials: steel, stainless-steel, plastic and rubber, and also consult factory to do customized one.



CUSTOMIZED MACHINERY PARTS

Customization processing for rubber and plastic products:

Normal process for forming the rubber production as below:

Raw material-mixing-roll extrusion-molding and vulcanization-shape up

Different crafts processing for plastic objects as below:

Injection molding; (plastic bulk parts)

Blow molding; (plastic bottles)

Plastic uptake; (shaped plastic film)

Extrusion. (plastic pipe)



Working Experience

We promote your ideas to come true within the experience of over 10 years in the field of molding. On the basis of working widely with different market to produce a bunch of components, we are familiar to do a variety of insert and injection molding. Our molding facilities are flexible enough to handle with metalloid and metal material and satisfy with numerous molded parts size and shape.

Design Guide

Our engineers work closely with you to get all of your exact product requirements by design and calculation, bringing your drawings to a real stuff. Also, we support to modify the drawing rely on customers' request and optimize the function character through this process.

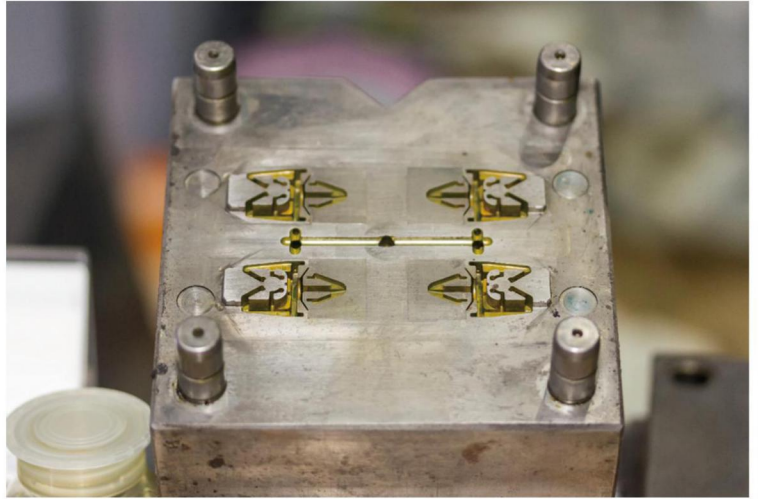
For some of big companies, we shall promote your business to next step of success and our engineers would be strive for your requirement and assure the exact design specification can be submitted on time.

For some of individual investors, we shall be your good partner in your growing way of your business. We start the work from your idea and help you to design of what you may need until turn your business off ground. We hope to accompany with you and make your design comes to real



Molding Solution

Mold drives production costs. According to the process, One-cavity mold can make one part a time. The fewer cavities you have on the mold, the fewer parts you can get per time, but also the fewer cost for the mold at the same time. That is a trade-off between your mold budget and your production budget. Our team shall regard on your real business development and potential possibility of request to calculate the cavities amount, which will keep an economical and effective balance for the producing business. Always, the mold life related to the total parts quantity of which it could put out. We shall maintain the molding at no charge to you for the life of the project as long as the mold remains in our facility and protect the mold away from being damaged in some circumstance. No strings, hidden costs or extra fees in.



Team work

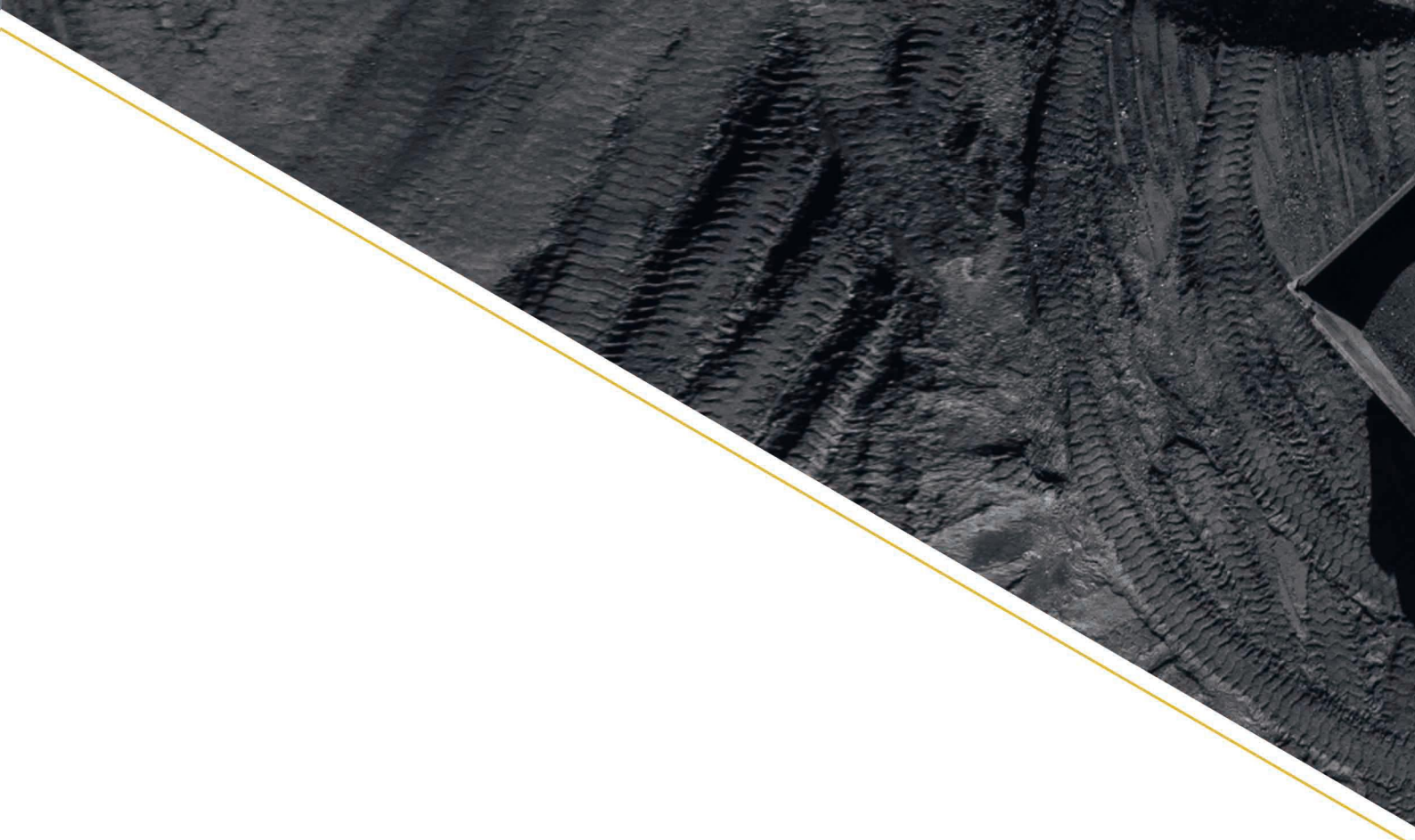
We have the team with sophisticated engineers to operate CAD, Pro/E, UG, 3Dmax and other related files about the drawing. Also, by using state-of-the-art computer aided design technology to provide design assistance and EDM machining, heat-treating, polishing and finishing to treat the metal, those work help the project off the ground and keep it running on the right track. The whole design suggestion and precise craft are focus on eliminating any potential problems which may happen through the process of making mold and optimize the manufacturing method that provides maximum quality stability and economy.

Rubber mat for haul truck

Hauls Trucks are essential to the mining industry and as one of vehicle with great useful function by the operators and other staff. The drivers always suffer with shock and vibration during the process of loading and transportation. Baytain tested the impact of rock on a steel plate and found a peak of 108 decibels and then we use manganese steel wire mesh as skeleton within 6" rubber liner which can extremely enhanced its toughness and the peak result only show 60 decibels finally. It is significantly better than steel liners when the impact and damage happen during the loading stone into the bed.

We can even do very big size rubber or plastic products as clients' requirement, which is widely being used in mining, industrial, construction and so on. Please consult factory for special requirement.





*Improving the working efficiency, increasing the service
life and reducing the potential risks in BAYTAIN.*

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