



Chasing the light, creating eternity, lighting up the future!

烟台亮远液压技术有限公司

YANTAI SHINING HYDRAULIC TECHNOLOGY CO., LTD

成为液压工程技术领域值得依赖的合作伙伴

- ◆ HYDRAULIC CYLINDER
- ◆ HYDRAULIC-ELECTRIC INTEGRATED SYSTEM
- ◆ HYDRAULIC EQUIPMENT
- ◆ HYDRAULIC INTELLIGENT EQUIPMENT
- ◆ HYDRAULIC TECHNOLOGY SOLUTION

YANTAI SHINING HYDRAULIC TECHNOLOGY CO., LTD.

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求实 / 创新 / 尊重 / 融合 / 责任

COMPANY PROFILE 亮远简介

Shining Hydraulic is located in Yantai Economic and Technological Development Zone--the Yantai Area of Shandong Free Trade Zone, China. The company is positioned as a striver in the field of hydraulic engineering technology. The company will uphold the struggle spirit of entrepreneurs, committed to "do our best to meet customer needs, wholeheartedly create a platform for employees, and create higher value with steady and serious character", to build a modern information-based enterprise in the field of hydraulic technology, integrating product development, production and sales services, and to provide customers with quality, value-for-money products, services and technical solutions.

Main products: The application of products and technologies related to the field of hydraulic technology, including: hydraulic cylinders, hydraulic-electric integrated systems, hydraulic equipment, hydraulic intelligent equipment and hydraulic technology solutions.

Product application fields: Based on traditional industries such as construction machinery, agricultural machinery, special vehicles& equipment, metallurgy, etc., we promote to the emerging technology fields such as hydraulic, electrical, information technology combined with industrial digital technology.

Science and technology innovation: science and technology is the first productive force, innovation is the first driving force to lead the development, Shining's R & D team and management team are lead by young and senior experts in the field of hydraulic technology, they have participated in the development and revision of national standards, increased product development efforts and investment under the premise of taking into account product technology and management innovation, obtained five invention patents, two utility model patents, and a software copyright. At the same time, we dedicate to be approved as: Small and Medium Enterprises of Science and Technology in Yantai, Shandong High and New Technology Enterprises, Yantai Specialized and New Enterprises, Yantai Enterprise Technology Center, Yantai One Enterprise One Technology Center, etc. and take the road of science and technology innovation.

Management and information technology: The company adheres to the enterprise spirit of "truth-seeking, innovation, respect, integration and responsibility", and shapes the corporate image of high efficiency, high quality and high operation capability. In the year of establishment, Shining completed the construction of talent teams including modules of marketing, technology, production, quality and technology, which provides the guarantee of talents for the efficient operation of the enterprise. Completed the implementation and certification of ISO9001 international quality management system, which provides system guarantee for high quality work and delivery of high quality products. Completed the declaration of import and export rights, laying the foundation for the products to go global. Completed the introduction and application of PLM, ERP and financial management software to realize the basic information management needed for the operation of the enterprise, and provided effective support for the healthy operation of the enterprise through the application of information technology and big data management.

Shining Hydraulic will be based on the present and forge ahead, take customer needs as the direction of development, provide customized system solutions in the field of hydraulic engineering technology from the depth of the industry and the breadth of the industry, use the business model of "personalized customization + soft manufacturing" to solve all the problems of customers and meet individual needs. The flat one-stop service improves the efficiency of the supply chain, reduces the manufacturing cost of customers, and continuously improve customers' achievements and helps the development of the industry. With its excellent brand image and corporate strength, Shining Hydraulics will participate in the all-round competition of the future digital market economy and devote itself to developing into a listed company with core technological competitiveness.

Chasing the light, creating eternity, lighting up the future!

SHINING 液压工程
技术领域的奋斗者!
Strugglers in the field of hydraulic
engineering technology



1 两头忙油缸 HYDRAULIC CYLINDER FOR BACKHOE LOADER

The backhoe loader is integrated with the loading function and digging function, the operator can turn the seat to alternate the functions. The backhoe loader structure is relatively compact, hydraulic cylinders on backhoe including stick cylinder, bucket cylinder, digging arm cylinder, rotary cylinder, arm cylinder, supporting cylinder, tipping cylinder.



油缸特点 CYLINDER CHARACTERISTICS

1. Application of compact structure design, high-strength material, special heat treatment and delicate welding process ensure that the hydraulic cylinder has extremely high fatigue durability life under high pressure and heavy load;
2. Provide a variety of electroplating methods: Ni/Cr electroplating, QPQ, etc., salt spray test grade 9 and 96 hours.
3. The temperature design range is -25°C~ +120°C, customized service for higher or lower temperature is available.
4. The professional cushion design enables the bucket to reduce the impact of the cylinder during operation without affecting the work efficiency.
5. Forged cylinder rod can reduce the possibility of breakage and improve the service life of rod connection.
6. Integrated forging connection parts enhances the strength of connectors and extend the service life.
7. Adopt standard self-lubricating bushing or upon customers' requirements, dust-proof design applied at both ends of the bushing.
8. Adopt imported sealing brands such as NOK to improve sealing reliability.

2 挖掘机油缸 MINI EXCAVATOR HYDRAULIC CYLINDER

Excavator hydraulic cylinders include stick cylinder, arm cylinder, bucket cylinder, extension cylinder and swing cylinder.



油缸特点 CYLINDER CHARACTERISTICS

1. Application of compact structure design, high-strength material, special heat treatment and delicate welding process ensure that the hydraulic cylinder has extremely high fatigue durability life under high pressure and heavy load;
2. Provide a variety of electroplating methods: Ni/Cr electroplating, QPQ, etc., salt spray test grade 9 and 96 hours.
3. The temperature design range is -25°C~ +120°C, customized service for higher or lower temperature is available.
4. The professional cushion design enables the bucket to reduce the impact of the cylinder during operation without affecting the work efficiency;
5. Integrated forging connection parts enhances the strength of connectors and extend the service life;
6. Adopt imported sealing brands such as NOK to improve sealing reliability.

3 装载机油缸 HYDRAULIC CYLINDER FOR WHEEL LOADER



▲ Arm cylinder ▲ Bucket-turning cylinder ▲ Steering cylinder

油缸特点 CYLINDER CHARACTERISTICS

1. Application of compact structure design, high-strength material, special heat treatment and delicate welding process ensure that the hydraulic cylinder has extremely high fatigue durability life under high pressure and heavy load;
2. Provide a variety of electroplating methods: Ni/Cr electroplating, QPQ, etc., salt spray test grade 9 and 96 hours.
3. The temperature design range is -25°C~ +120°C, customized service for higher or lower temperature is available.
4. Forged cylinder rod can reduce the possibility of breakage and improve the service life of rod connection.
5. Integrated forging connection parts enhances the strength of connectors and extend the service life.
6. Adopt imported sealing brands such as NOK to improve sealing reliability.

4 铲运车油缸 SCRAPER CYLINDER

A scraper is a shovel transportation machine that uses a bucket to shovel the soil and load soil into the bucket for transportation. It can complete the comprehensive operations of shoveling, loading, transportation, unloading, layered filling, and partial compaction, it is applicable to site formation of railway, road, water conservancy and electric power etc. The scraper has the advantages of simple operation, no terrain restrictions, independent work, fast driving speed and high production efficiency. The scraper consists of three hydraulic cylinders: tipping cylinder, left lifting cylinder, right lifting cylinder and steering cylinder.



▲ Tipping cylinder ▲ Lifting cylinder ▲ Steering cylinder

油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life. The sealing is a unique double dustproof structure, which can effectively prevent external impurities from entering the cylinder, and the buffer sealing can effectively avoid high-pressure impact.
2. Adopt forged connections to improve the strength and precision of cylinder installation.
3. The cylinder barrel is made of high-strength cold-drawn material, and the welding structure is reliable, which improves the overall strength of the cylinder.
4. The piston rod adopts an advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.

5 曲臂式高空作业车油缸 HYDRAULIC CYLINDER FOR ARTICULATED BOOM LIFT

The articulated boom lift is a lifting device used for aerial work. It can cross obstacles for aerial work. The lift can be operated while moving after lifting to any position. It has a compact structure and flexible steering. It is applicable for installation, maintenance and aerial operation in different applications including municipal, electric power, street lamps, advertising, transportation, docks, airports, ports, large industrial and mining enterprises and other industries.



◀ Supporting cylinder

◀ Lower levelling cylinder

◀ Upper levelling cylinder

◀ Steering cylinder

◀ Crawler extension cylinder

◀ Main arm adjustment cylinder

油缸特点 CYLINDER CHARACTERISTICS

1. Apply with compact structure design and high-strength material to improve the lightweight performance of the cylinder.
2. Provide a variety of electroplating methods: Ni/Cr electroplating, QPQ, etc., salt spray test grade 9 and 96 hours.
3. The temperature design range is -45°C~ +120°C, customized service for higher or lower temperature is available.
4. The professional seal design ensures smooth operation of cylinder without shaking in a low speed.
5. Integrated forging connection parts enhances the strength of connectors and extends the service life.
6. Adopt imported carbon fiber composite sleeve for better wear resistance and corrosion resistance.

6 剪叉升降平台油缸 HYDRAULIC CYLINDER FOR SELF PROPELLED SCISSOR PLATFORM

The scissor platform is a kind of vertical aerial working platform, which is widely used indoors and outdoors. It applies to equipment maintenance, indoor and outdoor mechanical installation, equipment maintenance and building maintenance. The platform includes upper lifting cylinder, lower lifting cylinder, steering cylinder, etc.



油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn material, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts an advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. Adopt forged connection parts to extend the service life.
5. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.
6. Both single acting and double acting are available upon customers' requirements.

7 剪式举升机油缸 HYDRAULIC CYLINDER FOR SCISSOR LIFT

Scissor lifts are auto repair machines used in the auto repair industry. They're also called the hydraulic lift because the lifting is conducted by hydraulic cylinder, it plays a vital role in the maintenance of automobiles.



▲ Lift cylinder

油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn tube, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. Burst pressure test up to 72.5MPa.
5. The material of front and rear bearings is POLYGON fibre composite.
6. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.

8 云梯车油缸 HYDRAULIC CYLINDER FOR TRUCK MOUNTED CRANE PLATFORMS

The truck mounted crane platform is a special operation vehicle for carrying materials upstairs with the onboard ladder equipment. The car is mainly used for project leasing, curtain wall construction, roof waterproofing, solar device installation, power maintenance, air conditioning installation, cement sand and gravel handling, ship maintenance, road and bridge maintenance, etc. The truck is mainly composed of three kinds of hydraulic cylinders: front supporting cylinder, rear supporting oil cylinder, and lifting cylinder.



▲ Front/back supporting cylinder

▲ Lifting cylinder

油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn material, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts an advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.

9 定向钻油缸 HYDRAULIC CYLINDER FOR DIRECTIONAL DRILL



▲ Angle cylinder



▲ Vise Clamping Cylinder



▲ Outrigger Cylinder



▲ Vise Rotary Cylinder



油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn material, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts an advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. Adopt forged connection parts to extend the service life.
5. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.
6. Both single acting and double acting are available upon customers' requirements.

10 掘进机油缸 HYDRAULIC CYLINDER FOR ROADHEADER



▲ Cutting head lifting cylinder



油缸特点 CYLINDER CHARACTERISTICS

1. Application of compact structure design, high-strength material, special heat treatment and delicate welding process ensure that the hydraulic cylinder has extremely high fatigue durability life under high pressure and heavy load;
2. Provide a variety of electroplating methods: Ni/Cr electroplating, QPQ, etc., salt spray test grade 9 and 96 hours.
3. The temperature design range is -25°C ~ +120°C, customized service for higher or lower temperature is available.
4. The professional cushion design enables the bucket to reduce the impact of the cylinder during operation without affecting the work efficiency;
5. Integrated forging connection parts enhance the strength of connectors and extend the service life;
6. Adopt imported sealing brands such as NOK to improve sealing reliability.

11 多臂凿岩台车油缸 HYDRAULIC CYLINDER FOR DOBBY ROCK DRILL TRUCK



▲ Steering Cylinder Assembly ▲ Roof lifting cylinder ▲ Bridge spreading cylinder assembly ▲ Push compensation cylinder ▲ Telescopic Cylinder



▲ Left boom cylinder ▲ Left translation cylinder ▲ Right boom cylinder ▲ Right translation cylinder ▲ Outrigger Cylinder ▲ Swing angle cylinder

油缸特点 CYLINDER CHARACTERISTICS

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2. Provide a variety of electroplating methods: Ni/Cr electroplating, QPQ, etc., salt spray test grade 9 and 96 hours.
3. The temperature design range is -25°C ~ +120°C, customized service for higher or lower temperature is available.
4. The professional cushion design enables the bucket to reduce the impact of the cylinder during operation without affecting the work efficiency;
5. Integrated forging connection parts enhance the strength of connectors and extend the service life;
6. Adopt imported sealing brands such as NOK to improve sealing reliability.

12 伸缩臂叉装车油缸 HYDRAULIC CYLINDER FOR TELESCOPIC FORKLIFT TRUCK



油缸特点 CYLINDER CHARACTERISTICS

1. Application of compact structure design, high-strength material, special heat treatment and delicate welding process ensure that the hydraulic cylinder has extremely high fatigue durability life under high pressure and heavy load;
2. Provide a variety of electroplating methods: Ni/Cr electroplating, QPQ, etc., salt spray test grade 9 and 96 hours.
3. The temperature design range is -25°C ~ +120°C, customized service for higher or lower temperature is available.
4. The professional cushion design enables the bucket to reduce the impact of the cylinder during operation without affecting the work efficiency;
5. Integrated forging connection parts enhance the strength of connectors and extend the service life;
6. Adopt imported sealing brands such as NOK to improve sealing reliability.

13 港机叉车油缸 HYDRAULIC CYLINDER FOR PORT FORKLIFT TRUCK

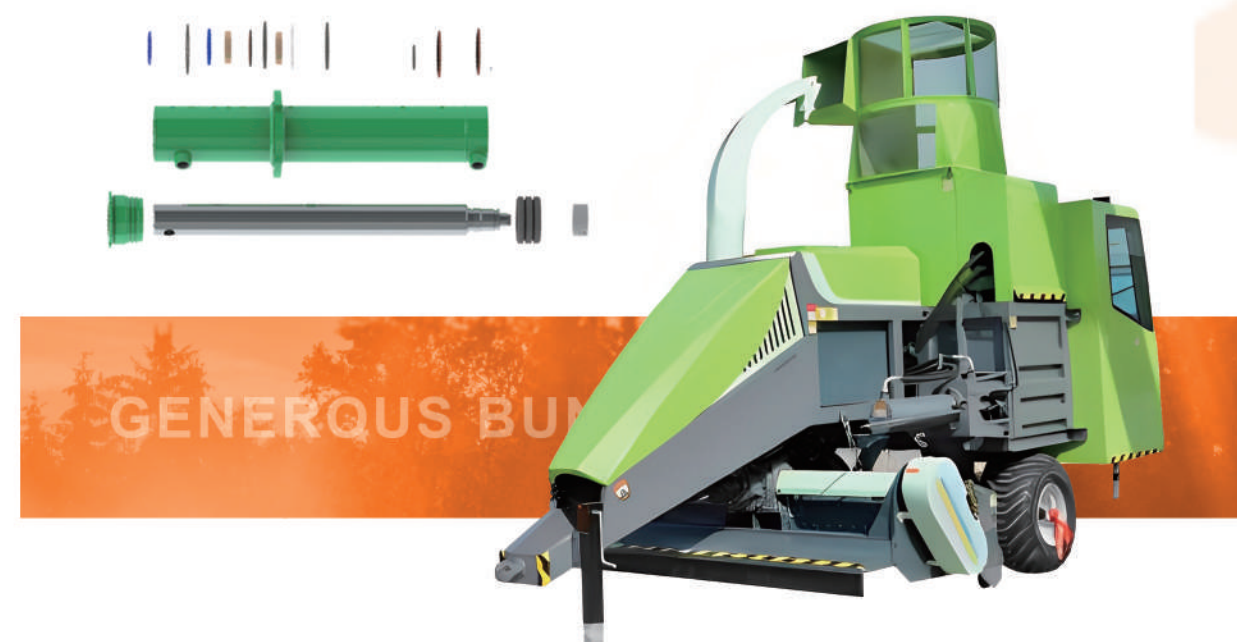


油缸特点 CYLINDER CHARACTERISTICS

1. Application of compact structure design, high-strength material, special heat treatment and delicate welding process ensure that the hydraulic cylinder has extremely high fatigue durability life under high pressure and heavy load;
2. Provide a variety of electroplating methods: Ni/Cr electroplating, QPQ, etc., salt spray test grade 9 and 96 hours.
3. The temperature design range is -25°C ~ +120°C, customized service for higher or lower temperature is available.
4. The professional cushion design enables the bucket to reduce the impact of the cylinder during operation without affecting the work efficiency;
5. Integrated forging connection parts enhance the strength of connectors and extend the service life;
6. Adopt imported sealing brands such as NOK to improve sealing reliability.

1 缠绕膜打捆机油缸 FILM WRAPPING BALER

Film wrapping baler is a kind of environmental protection equipment that uses the hydraulic principle to compress straws into blocks, which is convenient for straw saving, transportation as well as utilization. Now it is widely used in the agricultural and livestock industry and plays a great role in the protection of the environment as well as resources. The equipment consists of three hydraulic cylinders: main cylinder, pushing cylinder, pressing cylinder.



油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life. The sealing is a unique double dustproof structure, which can effectively prevent external impurities from entering the cylinder, and the buffer sealing can effectively avoid high-pressure impact.
2. Excellent cushioning performance. The design of the buffer structure has been simulated and tested in practice, which can effectively avoid the impact caused by high-speed motion, reduce the damage to the structural parts, and improve the service life of the equipment.
3. The cylinder barrel is made of high-strength cold-drawn material, and the welding structure is reliable, which improves the overall strength of the cylinder.
4. The piston rod adopts an advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
5. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.

2 籽粒收获机油缸 HYDRAULIC CYLINDER FOR GRAIN HARVESTER

Grain harvester hydraulic cylinders include: over-bridge cylinder, over-bridge lifting cylinder, harvest wheel cylinder, steering cylinder, belt pulley cylinder, tensioning cylinder, unloading cylinder.

HARVESTER

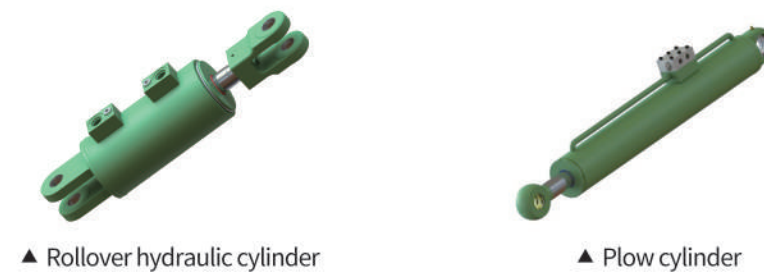


油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn material, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts an advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. Oil port has the air-exhaust and pressure-relieve function at the end of cylinder stroke.
5. Tandem cylinders ensure synchronized cylinder action.
6. The unique cushion design can reduce the impact of the cylinder during operation without affecting the work efficiency.
7. Connection parts are forged.
8. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.

3 耕整地机械油缸 MOUNCLER HYDRAULIC CYLINDER

The mouncler only one time into the ground can complete a comprehensive vibration of the soil, deep loosening, soil crushing, leveling and weeding, so that the soil can be well prepared for pre-planting.



油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn tube, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. Oil port has the air-exhaust and pressure-relieve function at the end of cylinder stroke.
5. Connection parts are forged.
6. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.

4 播种机油缸 SEEDER HYDRAULIC CYLINDER

A seeder is a planting machine for sowing crop seeds. The seeder is usually named after the crops, such as grain seeder, corn seeder, cotton seeder, forage seeder etc.



油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn tube, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. Adopt forged shafts and lugs to extend service life of connecting parts.
5. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.

5 翻转犁油缸 PLOW HYDRAULIC CYLINDER

The plow is used in conjunction with the tractor, and the control of plow lifting and turning is conducted by the duplex distributor. The tipping cylinder can realize automatic hydraulic oil reflow through the tipping valve block, to ensure the reverse movement of the hydraulic cylinder to achieve tipping. The adjustment cylinder is connected with the hydraulic system of the tractor. The plowing width needs to be adjusted during operation, and this function is completed by the tractor hydraulic system controlling movements of the adjustment hydraulic cylinder.

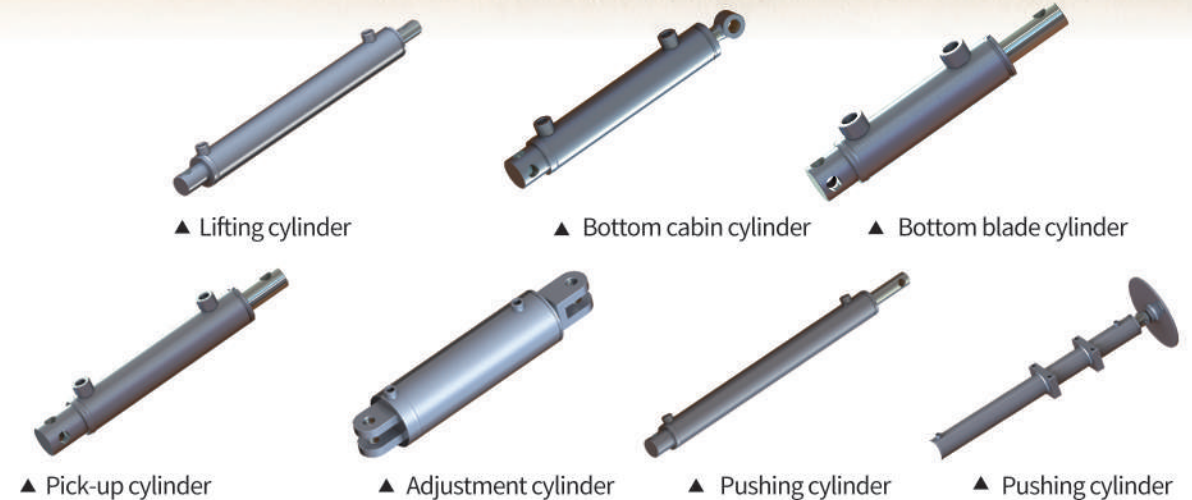


油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn tube, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. Long service life of piston rod by using forged one-piece piston rod.
5. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.

6 大方捆油缸 SQUARE BALER HYDRAULIC CYLINDER

Square baler hydraulic cylinders include: bottom blade cylinder, bottom cabin cylinder, adjustment cylinder, pick-up cylinder, lifting cylinder, support cylinder, pushing cylinder.



油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn tube, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. The connection parts are forged parts.
5. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.

7 圆捆机油缸 ROUND BALER HYDRAULIC CYLINDER

Round bale baler is a kind of forage harvesting machine, its main use is to pick up and press bales in the field, the machine can collect the grass strips laid in the field automatically, compress them into shape and bind them into cylindrical bales with nylon net automatically. The baler can work with tractors over 100HP and be operated by one person. It can be used in all kinds of natural pasture and planted pasture as well as flat farmland, and is also suitable for fixed operation by workers or other ways of feeding in the field.



油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The cylinder barrel is made of high-strength cold-drawn tube, and the welding structure is reliable, which improves the overall strength of the cylinder.
3. The piston rod adopts advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.
4. The connection parts are forged parts.
5. The cylinder adopts multiple anti-loosening structures to ensure the reliable operation of each component without falling off.

1 压缩式垃圾车油缸 HYDRAULIC CYLINDER FOR WASTE COMPACTOR

Waster compactor hydraulic cylinders include auto-lock cylinder, dumping device cylinder, lifting cylinder of feeding device, skate cylinder, scraper cylinder and pushing cylinder.

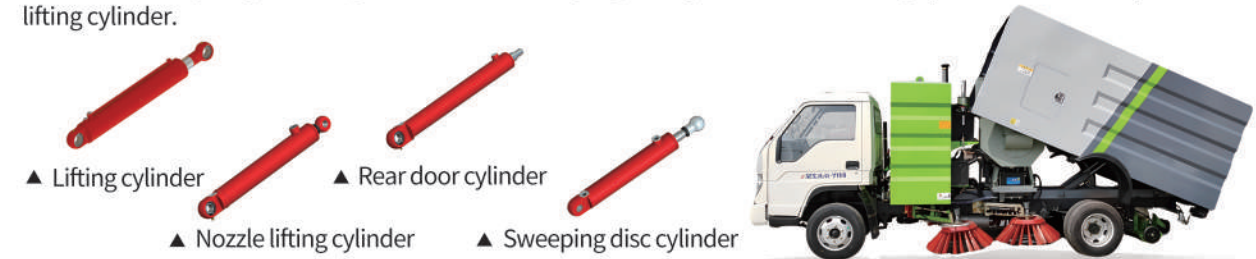


油缸特点 CYLINDER CHARACTERISTICS

1. Advanced and reliable sealing system. Adopts imported sealing brand, which has the characteristics of high-speed wear resistance and long service life.
2. The sealing is a unique double dustproof structure, which can effectively prevent external impurities from entering the cylinder, and the buffer sealing can effectively avoid high-pressure impact.
3. Application of compact structure design, high-strength material, special heat treatment and delicate welding process ensure that the hydraulic cylinder has extremely high fatigue durability life under high pressure and heavy load
4. The professional cushion design can reduce the impact of the cylinder during operation without affecting the work efficiency.
5. Adopt forged connections to improve the strength and precision of cylinder installation.
6. The cylinder barrel is made of high-strength cold-drawn material, and the welding structure is reliable, which improves the overall strength of the cylinder
7. The piston rod adopts advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance.

2 扫路车油缸 HYDRAULIC CYLINDER FOR ROAD SWEEPER

Road sweeper hydraulic cylinder include sweeping disc cylinder, nozzle lifting cylinder, rear door cylinder and lifting cylinder.



油缸特点 CYLINDER CHARACTERISTICS

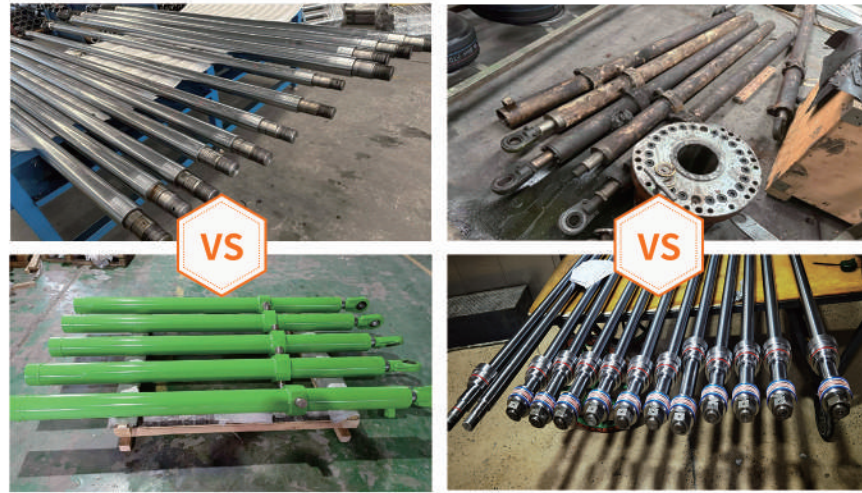
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4. Adopt forged connections to improve the strength and precision of cylinder installation.
5. The cylinder barrel is made of high-strength cold-drawn material, and the welding structure is reliable, which improves the overall strength of the cylinder.
6. The piston rod adopts advanced electroplating process and with salt spray test grade 9/96 hours, to enhance the anti-corrosion and wear-resisting performance

1 橡胶机械 RUBBER MACHINERY

Tyre Vulcanizing Machine Cylinder and Hydraulic System Refurbishment Service
Refurbishment instructions:

1. Hydraulic cylinders are returned to the factory for dismantling, detecting the degree of survival of all parts and components, including, front cover, piston, piston rod, cylinder barrel.
2. Repair the injured parts, piston rod de-plating and re-plating, replacement of seals, cylinder barrel honing, piston and front cover processing of new products.
3. For the more serious parts of the damage, lathing, grinding, chipping, depth of the pits for laser cladding, re-plating, refurbished parts compared to the original exceeds the difference of 1MM or more, the need to configure Customized seals, LIANGYUAN is responsible for numbering cylinders, to facilitate the later replacement of seals.
4. The refurbished cylinders are equivalent to new products, the seals are guaranteed for 1 year, and the structural parts are guaranteed for 5 years.

Before renovation ▶



After renovation ▶



Tyre vulcanizer



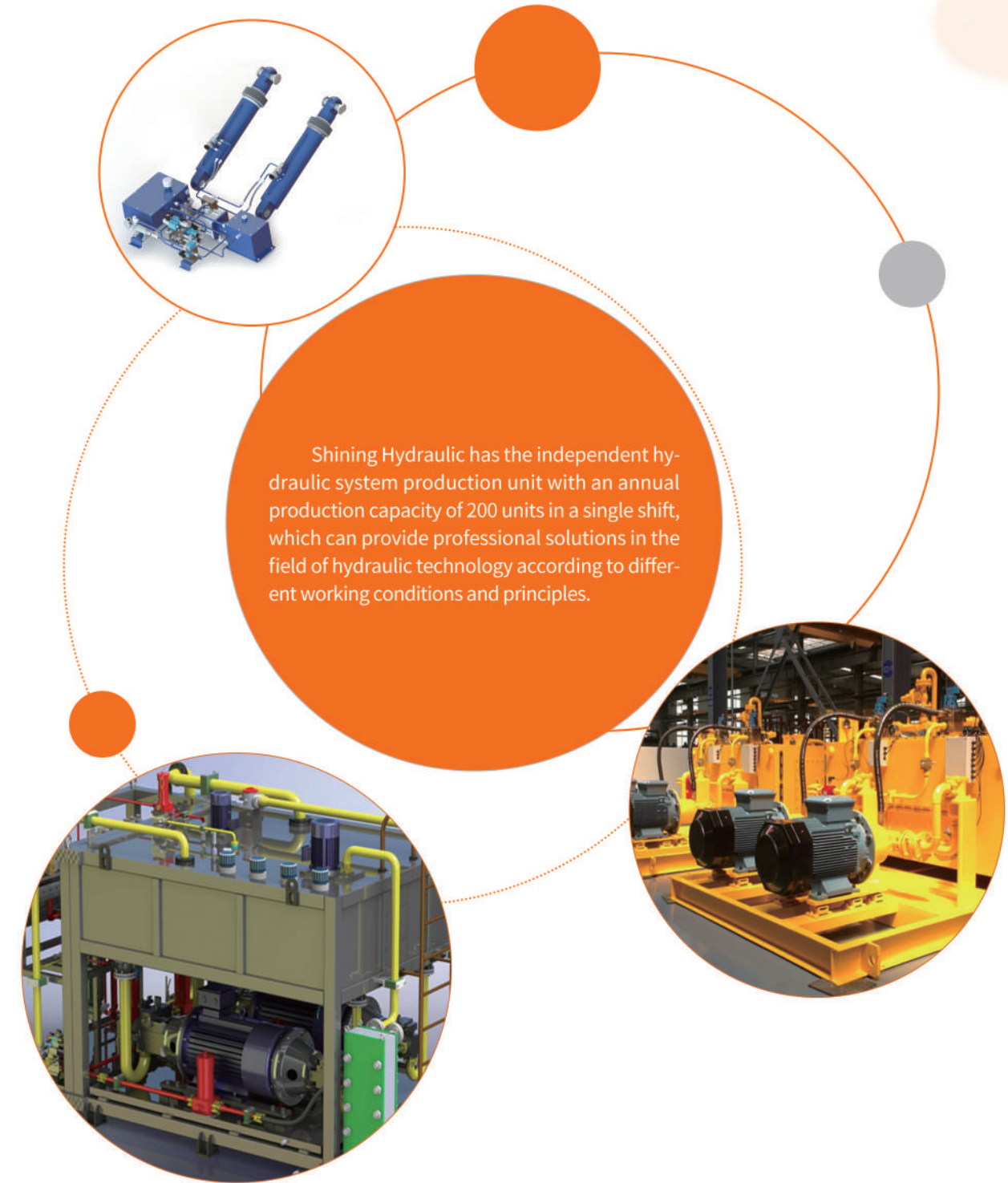
Vulcanizer hydraulic station



Vulcanizing machine

1 液压系统 HYDRAULIC SYSTEM

The hydraulic system works by increasing the force by changing the pressure. A complete hydraulic system consists of five parts, namely, power components, actuating components, control components, auxiliary components and hydraulic oil. Hydraulic systems can be divided into two categories: hydraulic transmission system and hydraulic control system. The main function of hydraulic transmission system is transmit power. The hydraulic control system is aiming at making the hydraulic system output meet the specific performance requirements, usually the hydraulic system mainly refers to the hydraulic transmission system.





The company has obtained eleven invention patents, three utility model patents, and two software copyrights, and multiple invention patents are currently under review.

The company adheres to the culture of "quality improvement is never-ending", and strictly follows the requirements of the ISO9001 quality management system for management implementation, from product design, manufacturing, cleaning, assembly, testing, painting, and packing to delivery, truly realize the whole process of product control.

The raw materials such as cylinder barrels and rod materials are purchased from domestic first-class suppliers, and the seals and components are purchased from famous brands both at home and abroad to ensure the quality of products from the source.

Start from the basic measures such as first piece inspection, self-inspection, inspection patrol, completion inspection and operation instruction manuals, to special processes such as welding magnetic particle inspection, UT inspection, and cleanliness process quality control to ensure that the products meet the requirements.

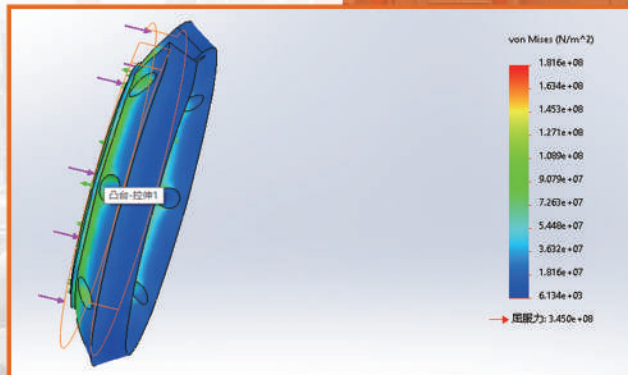
≥15

Invention patents within 5 year



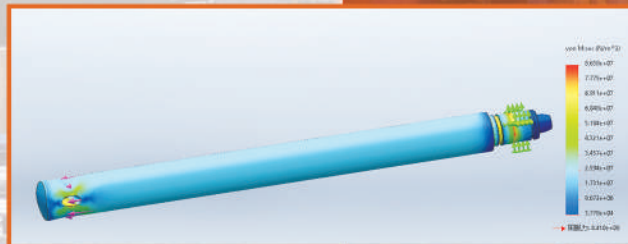
≥10

Utility model patents within 5 years



≥5

Software copyrights within 5 years



Shining's R & D team is lead by young and senior experts in the field of hydraulic technology, they have participated in the development and revision of national standards. The company has obtained five invention patents, two utility model patents, and a software copyright, two invention patents are under review. The company is listed in the Technology-based SME Database of Yantai.

The company increased product development efforts and investment under the premise of taking into account product technology and management innovation, we dedicate to be approved as: Small and Medium Enterprises of Science and Technology in Yantai, Shandong High and New Technology Enterprises, Yantai Specialized and New Enterprises, Yantai Enterprise Technology Center, Yantai One Enterprise One Technology Center, etc. and take the road of science and technology innovation.



Our products can meet the standards below

1

The welding lines of the cylinder scan meet the comprehensive requirements of GB/T 9472

2

The cleanliness of ordinary cylinders can reach NAS9 or above, and those with special requirements can reach 8 or above

3

PPM of cylinders is less than 3000



Shining has more than 50 sets of various production equipment, 3 hydraulic cylinder production lines, 1 part production unit, and 1 hydraulic system assembly unit.

1# production line
70 cylinder per day in a single shift
Annual production capacity is 19000 cylinder

2# production line
180 cylinder per day in a single shift
Annual production capacity is 60000 cylinders

3# production line
70 cylinder per day in a single shift
Annual production capacity is 19000 cylinders

Production unit of hydraulic system
Annual production capacity of a single shift is 200 units

Shining has completed the introduction and application of PLM, ERP and financial management software, formed the core competencies of precise R&D, lean manufacturing and supreme quality, and provided effective support for the healthy operation of the enterprise through the application of information technology and big data management.

Assurance of product quality stability



By using solidworks 3D design software for product design, the product can be calibrated by mechanical simulation analysis at the early stage of design to ensure the continuous optimization of product performance.



Adopt PLM software to manage the whole production cycle of products, standardize design behavior, improve design efficiency, and ensure the effectiveness of technical activities.



The application of ERP management software realizes the smooth management of production, sales, and research. And the application of auxiliary financial management software realizes comprehensive process and cost control to enhance the profitability of the enterprise.



Through the application of various information technology software to complete the basic information management work required for the operation of enterprises, to improve the management and operation of enterprises, to provide customers with high quality and inexpensive products.

CORPORATE CULTURE 企业文化

- ▶ **Company Vision**
Become a trusted partner in hydraulic engineering field
- ▶ **Quality & Cost Policy**
Quality improvement and cost reduction never ends
- ▶ **Operation Process**
Safety Quality Delivery Cost
- ▶ **Company Spirit**
Truth-seeking, innovation, respect, integration and responsibility
- ▶ **Core Value**
Chasing the light, creating eternity, lighting up the future
- ▶ **Company Mission**
Do our best to meet customer needs, wholeheartedly create a platform for employees, and create higher value with steady and serious character



- ▶ **Management Principle**
Clear objectives, democratic process, rigorous data and objective decision-making
- ▶ **Company Orientation**
Strivers in the field of hydraulic engineering
- ▶ **Work Principle**
All work must have a goal
All goals must have a plan
All plans must have an inspection
All inspections must have reward or punishment
All rewards and punishments must be shared

