About Us

Shandong Victory Equipment Co.,Ltd,(Weihai Lionshare Hydraulics Co., Lid.) researches, develops, and produces hydraulic rotary actuators, hydraulic rack & pinion rotary actuators, tiltrotators, multi-purpose bucket, and vacuum glass lifters. It is now a major domestic manufacturer of hydraulic rotary actuators. We also produce various helical gears, rack and pinion, worm gears according to the requirement of customers.

The area of company is over 26,666 m^2, the workshop is 21,000 m^2 and the R&D center is 2,000 m^2. It is equipped with two standardized workshops, a clean assembly workshop, a testing laboratory, and over 200 sets of processing equipment. The total investment of equipment amount over $16 million, with an overall investment of $33 million.

We have eight series of hydraulic rotary actuators, four series of rack and pinion rotary actuators, two series of excavator attachments, and three series of vacuum glass lifters. In 2025, the annual production value reached $23 million. There are 180 employees.

We have 40 patents and are ISO 9001 quality-management certification.

The products are used in a diverse range of fields including engineering machinery, mining equipment, metallurgy, machine tools, injection molding, military defense, aerospace, agricultural machinery, food processing machinery, deep-sea exploration and so on.

Our products are sold worldwide, including to the United States, the United Kingdom, France, Germany, the Netherlands, South Korea, Japan, Brazil, Chile, and many other countries. We have many Well-known customers,such as XCMG,Zoomlion,Sany, Doosan,Sunward, Pladdet and so on.

We expand and upgrade our rotary actuator models while producing related accessories and equipment to meet more customer needs and fit a wider range of applications.With high-quality product and perfect service, We command a significant share of the market. In the future we will continue to focus on the quality of the products and the improvement of the management of the company, Meantime we keep making new products to meet the requirement of the customers.





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Shandong Victory Equipment Co., LTD
No. 385 Shuangdao East Road, Weihai, Shandong, China.

Shandong Victory Equipment Co., LTD

Vacuum Glass Lifters

Six Degrees of Freedom (6DoF)



- Electric
- Safe Lifting
- Wireless Operation
- Mains Power

Double vacuum anti fall | Compact for the elevator
3-hour battery life | Outdoor operation



For
handling/moving/installing-glass/ marble/wood panels



Product Advantages

1、Six Degrees of Freedom, Easy to operate



Main Boom：up and down, lengthen and shorten
Suction Cup：up and down 180°

up & down and right & left movement;
360° rotation in clockwise and counterclockwise directions.



2、Electiicity, high-capacity battery, 3-hour runtime, compatible with 110V and 220V mains power.

3、Multiple suction cup sizes available, anti-drop protection mechanism, intelligent pressure compensation, optional single or dual vacuum systems.

4、Wireless Remote Control



5、Electronic + Mechanical Braking System

6、Compact design, suitable for elevator access, highly maneuverable, durable, and easy to operate.

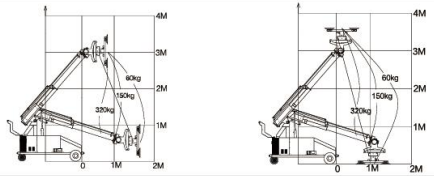
7、Simple operation, linear motion

8、Suitable for outdoor use

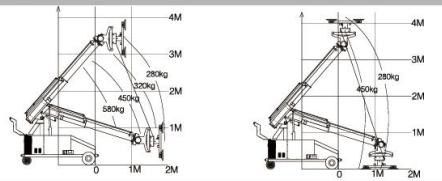
Product

Specifications	LB-400	LB-580	LB-785
Max Lifting Capacity	400kg	580kg	785kg
End Load Capacity	200kg	280kg	100kg
Max Lifting Height (Vertical)	3000mm	3400mm	4000mm
Max Lifting Height (Horizontal)	3500mm	4000mm	4600mm
Extended Reach (Bumper to Suction Cup)	1450mm	1800mm	2000mm
Battery Endurance	2~3H	2~3H	2~3H
Mains Power Mode (Optional)	220V	220V	220V
Remote Control(Effective Range 15 meters)	Wireless	Wireless	Wireless
No-Load Max Travel Speed	≤6km/h	≤6km/h	≤6km/h

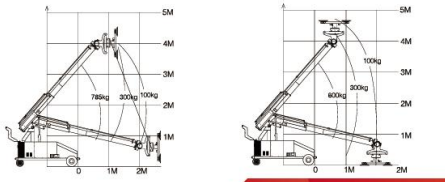
LB-400



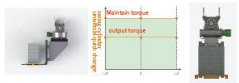
LB-580



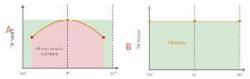
LB-785



Tiltrotators



Pilot check valve ensures a high holding torque.



Comparison of output torque between cyliner and Tiltrotator.

Product Advantages

The Tilt rotator can be mounted directly to the excavator arm (directmount) or it can be "Sandwich" mounted to the excavator by a quick coupler. Preferably, the excavator coupler is the same as the lower quick coupler on the Tilt rotator, but it is not necessarily required. The Tilt rotator can thus be uncoupled and coupled again in no time. The lower quick coupler allows for a safe and fast exchange between attachments. Switching fully hydraulically between hydraulic attachments is no problem with the SmartFlow coupler system.

The compact design with its fully integrated tilt and rotation unit provides highest safety against damage. There are no protruding cylinders or piston rods that can be damaged, increasing the reliability of the Tilt rotator. In addition, the low design maintains higher breakout forces of the machine.

Flexible operation, quick response to needs, more competitive.



The cylinderless, extremly low and narrow built drive unit allows for very narrow bucket width, that are usually not wider than the excavator boom. Therefore, digging down in deep trenches becomes possible and very easy.

The increased working radius reduces the need for repositioning your excavator to a minimum. Manual works such as manual digging in the danger zone by a co-worker are not necessary, as these works can be managed from the excavator cabin with the Tilt rotator. The double-Lock quick coupler with front-lock prevents the attachments from falling down unintendedly.

Working more efficiently saves consumables and labor costs and reduces the required working times. The tasks. can thus be finished faster and the wear is kept to a minimum.

Main components

WORM DRIVE

The oversized worm gear absorbs shock loads with ease. The compact diameter and yet high torque.
ensures a very slim design, hence keeps the overall width of the Tilt rotator extremely small.





HOUSING

The robust cast housing features a high stability due to a special material alloy, guaranteeing a long life evenunder the toughest conditions.
The integrated motor cover protects the hydraulic motor of the worm drive from damage from below.

HIGH-FLOW SWIVEL

The optional high-flow swivel provides industry leading flows for attachments that require more flow tooperate properly.



Specifications						
Excavator tonnage	3-6 ton	4-7 ton	6-11 ton	10-14 ton	14-19 ton	19-25 ton
Quick coupler weight	180kg	200kg	320kg	485kg	580kg	860kg
width	205mm	205mm	215mm	240mm	230mm	260mm
length	460mm	460mm	580mm	610mm	645mm	845mm
height	365mm	420mm	475mm	565mm	580mm	650mm
Recommended maximum width for digging bucket	1100mm	1100mm	1300mm	1600mm	1700mm	2000mm
Maximum digging power	35KN	50KN	75KN	110KN	150KN	170KN
Rotate angle	100°	100°	100°	100°	100°	100°
output torque	4500NM	4700NM	7500NM	11000NM	12000NM	15000NM
Maintain torque	8500NM	11000NM	16000NM	31000NM	40500NM	51700NM
rotation speed	9rpm	8.5rpm	8.5rpm	8.5rpm	8.5rpm	8.5rpm
rated pressure	21MPa	21MPa	21MPa	21MPa	21MPa	21MPa

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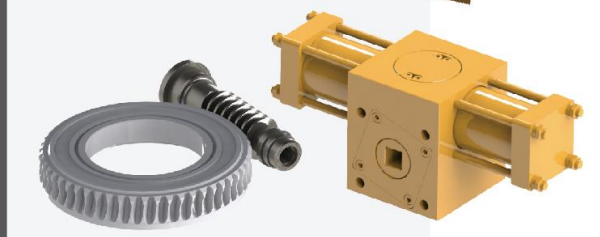
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Hydraulic Helical Rotary Actuators
Hydraulic Rack & Pinion Rotary Actuator
Tilt rotate quick coupler
Multi-purpose bucket



Multi-purpose bucket



The Multi-purpose bucket is a versatile and durable tool.
Equipped with a Helical Hydraulic Rotary Actuator, it offers excellent flexibility and high construction efficiency, making it an indispensable piece of equipment in urban construction projects.
Suitable for municipal engineering, green landscaping and sewage, trenching, road maintenance, construction within factory areas, landscaping, rural beautification, indoor renovation, and other operational requirements.

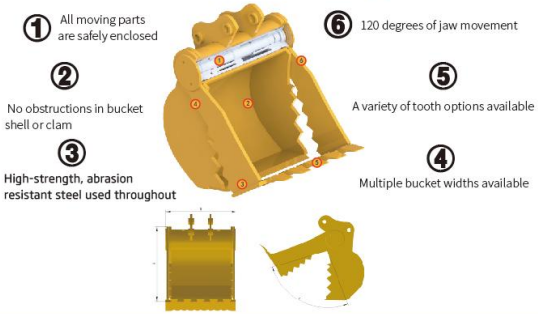
Multi-purpose bucket is a proven and most cost-effective choice



The product is as versatile as a thumb.And it' s a ready-to-use, pin-on attachment that' s easier to install and operate. There' s no welding, fabrication or in-field measurement needed to install or remove the attachment, saving you valuable time and money.

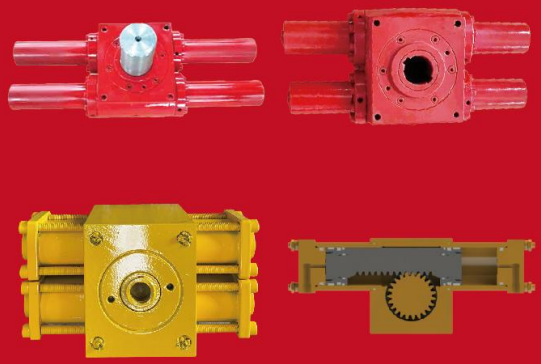
1. Easier to install, remove and operate for increased efficiency and productivity
2. Lighter weight for added lifting capacity
3. Durable, enclosed rotary actuator hinge for increased reliablity and longer life
4. Compatible with quick couplers makes machine or tool changes faster and easier
5. More responsive and taster operation while grabbing, gripping and dumping, allows for more work to get done in less time

Multi-purpose bucket is a proven innovative technology



Specifications							
Model	Width (mm)	Height (mm)	Torque (NM)	Angle (°)	Weight (kg)	Weight (kg)	Capacity (m^3)
LSK-073-135-D15	610	680	7300	135°	7200	300	0.15
LSK-073-135-D28	765	700	7300	135°	7200	380	0.28
LSK-073-120-D37	915	750	20500	120°	9500	520	0.37
LSK-073-120-D80	1220	800	20500	120°	13600	900	0.8

Hydraulic Rack & Pinion Rotary Actuators

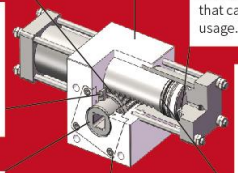


RACK & PINION
made from through hardened, high strength alloy steels for long and durable service life in most applications

HOUSING
High strength housing serves as a firm base to drive large torque requirements.

OPTIONAL CUSHIONS
If properly adjusted, cushions can serve as a braking device for most industrial applications. The proven Parker "floating cushion bushing" serves as a high performance check valve for "quick get away" and the needle valve can be adjusted to regulate the exhaust flow from the piston. Our design uses no springs or check valve seats that can break under normal usage.

BALL BEARINGS
are generously sized to support large (relative to actuator's weight) external axial and radial loads.



PISTON SEALS
Heavy duty, deep section Polypak seals made from Molythane for dependable service in most applications. Options: Flourocarbon seals for certain synthetic fluids; and carboxilated nitrile seals for water based fluids. Piston seals can be inspected and replaced without disconnecting the load from the shaft. (Employ proper safety practices to prevent damage to people or equipment.)

STANDARD MALE KEYED SHAFT
is made integral with the pinion gear and is suitable for most applications. Options:double male key, hollow bore keyed and splined shafts are available.

THREADED MOUNTING HOLES
Our standard mounting has four bolt holes drilled and tapped on the front and back of the housing. Options: pilot ring or base mount.

Hydraulic Rack and Pinion Rotary Actuator is our own proprietary design. We offer both single and double-rack versions, with various angles, mounting styles, and output options available.Built with precision and high-quality seals, it delivers excellent performance: low starting pressure, high efficiency, minimal play, and long life. Custom designs are welcome.

Worm gear & Rack and Pinion

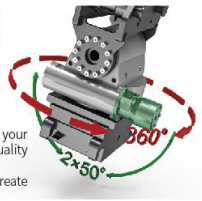
We provide machining services for helical gears, worm gears, rack and pinion.





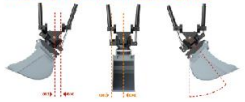
Tilt rotator

With our Tilt rotator, your attachments can be rotated by 360° continuously and tilted by up to 50° to both sides.
Therefore, the efficiency of your machine will be increased dramatically as time and resources will be saved.



2 YEARS WARRANTY
It is our goal that you can always rely on your attachment and make you feel confident of its quality and longevity.
Enjoy working with them and experience and create quality.

TILT ROTATOR WITH CYLINDERS:



- Minimum pivot point distance
- Maximum pivot point distance
- Narrow tilt angle

TILT ROTATOR WITH ACTUATOR.



- No pivot point, therefore high and constant tilt torque
- Maximum tilt angle (up to 2 x 50°)