设计理念

DESIGN CONCEPT



Hydraulic integration, adhering to science, fashion, Innovative design concept,adhere to the people-oriented., committed to creating fashion and convenience for users. Smart product experience. Without tradition.

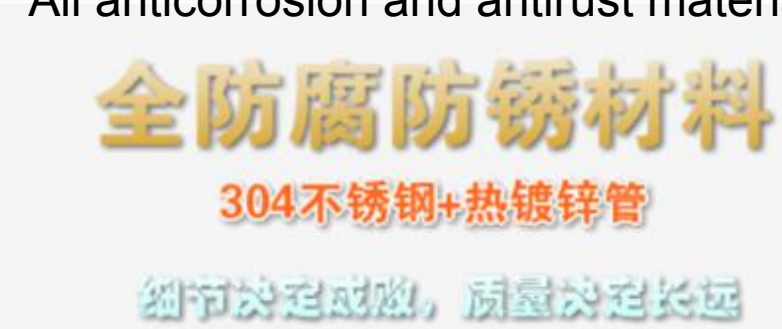
Oil leakage and easy grinding of hydraulic/electromechanical lifting road piles.Losses and other drawbacks at the same time, also has the modern time.The appearance of Shang, brings a for urban traffic. Beautiful scenery.

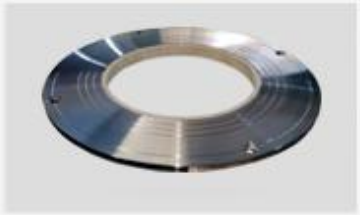
All anticorrosion and antirust materials.



升降柱

bollard





High-end antiskid flange.
高端防滑法兰盘



Top cover of high-end cylinder
高端柱体顶盖



High end 304 stainless steel cylinder.
高端304不锈钢柱体



Hot dip galvanized embedded column.
高端材质热镀锌预埋柱

■ City art design

The foundation of urban beauty is based on the scientificity of urban construction layout and the market demand under the condition of social development. Landscape bollards are based on the comprehensive consideration of science, humanity, senses and safety. Apart from their inherent control and definition characteristics, they can also be designed and developed in a personalized and targeted manner according to the supporting needs of the city, making them a beautiful landscape in the city.

■ Channel control

Passage control is an important part of social security construction, and the birth of full-automatic bollards has replaced most products of passage control equipment in the market at present, which is a major revolution of the core products of passage control. Compared with traditional physical defense and civil air defense, it can not only effectively divert people and vehicles, control the direction and route of vehicles, and maintain the harmony between people and vehicles, but also greatly reduce the input cost of human resources. Compared with technical defense, the bollard can be linked with today's IOT system in a unified way, realizing the unified management of control authority and the synchronous operation of the original effective control system.

■ Anti-terrorism interception

The application of high-security anti-terrorism bollards lies in the anti-terrorism attack of emergencies and the daily high-security control function. For government, nuclear power plant, army, airport, prison and other state-level high-security places, it can effectively ensure the control and interception of mandatory destructive power in key places and key areas, so as to minimize personal safety and property losses.

Role of lifting column.



如何选择合适的升降柱?

How to choose the appropriate bollard?

security level/phase

What safety level of bollard products do you need?

- If only need to play a warning or prompt role, smaller delay diameter and thinner wall thickness will reduce the cost of the column;
- If it is necessary to protect the controlled area, medium cylinder size and wall thickness are the best choice.
- If the application involves the need of resisting high-strength impact, the high-security anti-terrorism lifting column can be effectively guaranteed.

Regulatory frequency

Channel control frequency is an important factor to determine the type of bollard.

- If the required control is permanent, the fixed column is the most correct choice.
- If the required control is occasionally open, mobile and semi-mobile lifting columns are the best choice;
- If the required control is frequently used, electromechanical and hydraulic automatic lifting columns are ideal choices.
- If it is necessary to realize real high-frequency use and meet the requirements of rapid lifting in emergency, the non-pneumatic full-automatic lifting column is the only one.

Application environment

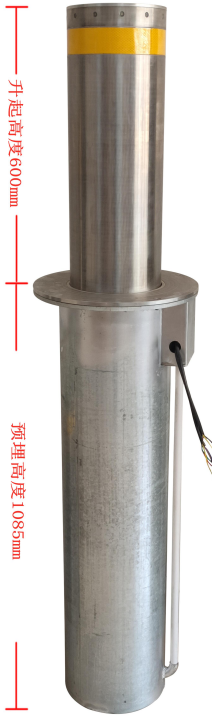
Give full consideration to differences in demand and limitations of environment.

- How to use the lifting column, key? Remote control? Or is a certified card reader more in line with the needs of the project?
- The automatic lifting column may be installed underground at a depth of 1.2 meters or more, so it is necessary to consider the soil conditions to ensure that the excavation can be carried out normally.
- The hydraulic automatic lifting column needs to ensure the strong current supply at each installation point, while the electromechanical and pneumatic automatic lifting columns only need 24V weak current supply.
- The pneumatic full-automatic lifting column needs to be laid with pipelines, and the placement position of vacant houses should be fully considered.

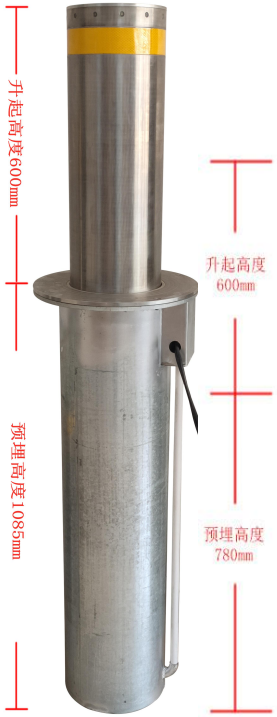
Various styles, specifications and sizes can be customized.

4lifting column styles.

bollards



36V**bollards**



220V**bollards**



Shallow embedded lifting column.



Semi-automatic pillar guard



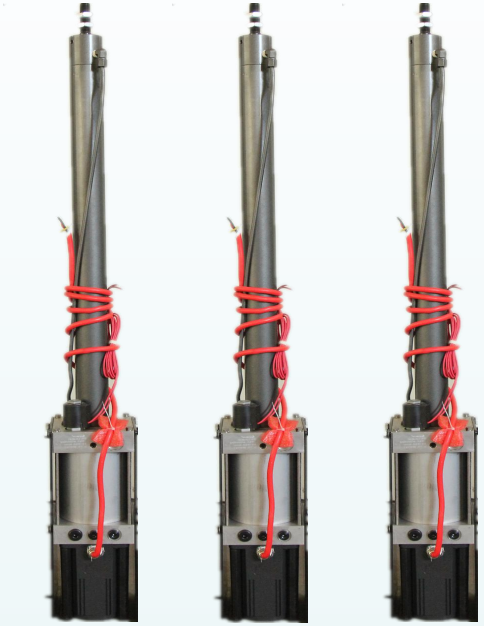
Moving column



the fixed column

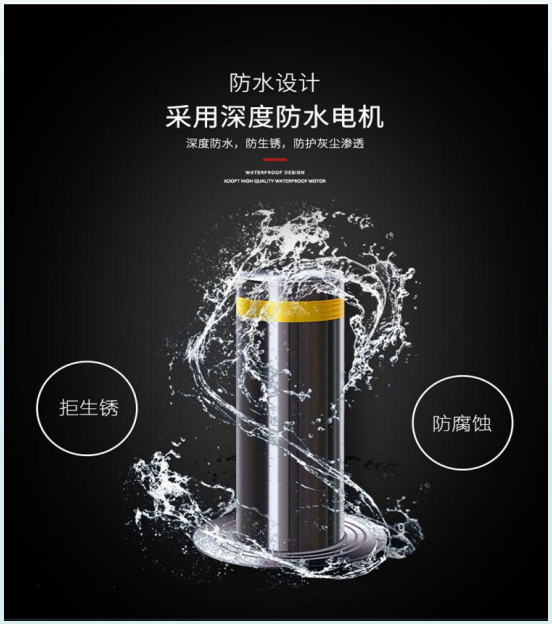
Hydraulic lifting column

When it is necessary to restrict public and private areas, the lifting road pile is the solution to the problem, such as traffic restriction area, loading and unloading area, management of bus professional road, division of historical buildings and sidewalk areas, etc. It can take effect on special holidays, whether it is open market, public meeting or holiday; Or restrict traffic and isolate people; People entering and leaving public buildings such as buildings, parking lots, city halls, gymnasiums, museums and schools can be managed through remote control, control buttons, magnetic cards and sense of the earth. The brand-new design makes V series products not only modern but also elegant.



Waterproof motor

Waterproof design



Wireless remote



Anti-collision compression



Hydraulic lifting column



①All stainless steel wire drawing, full of modernity;

②Special side light design, shiny and unobtrusive;

③The unique ceiling lamp design makes it well integrated with the landscape when it is lowered.

④Unique pattern panel makes it not only beautiful but also very wear-resistant and anti-sliding;

⑤The installation of high-level host makes it work normally even if it is immersed in water for a long time;

⑥Because of its bright, neutral design and smooth surface, road piles are perfectly suitable for any position in any building or city background.

⑦The wireless remote controller can manually operate and control the cylinder to rise and fall in any emergency, thus improving the safety of people and buildings.

bollards

Hydraulic full-automatic lifting road piles are used to meet the requirements of high-safety passage control, and are applied in government, schools, parking lot intersections, road intersections, power stations, airports and other places. According to the different requirements of independent application and high-frequency and high-security application, the hydraulic power system adopts two structures, namely, internal hydraulic unit and external hydraulic unit. The power unit has abundant power, stable operation and fast fluid speed. It is equipped with high-security anti-terrorism bollard for use, and the vertical speed can be as high as 3~5 seconds. By adding hydraulic energy storage equipment, it can even realize 1.5 seconds of rapid lifting and blocking emergency response in emergency situations.

The hydraulic full-automatic lifting road pile is driven by its own hydraulic unit to realize automatic lifting under the control of different signal sources, and at the same time complete the effective control of the area. Because of its stable power output and ultra-high interception efficiency, hydraulic full-automatic lifting road pile is widely used in high-safety control areas, such as government buildings, prisons and other places. Xinyongshun lifting road pile products have passed all kinds of safety tests, which can effectively and safely block all kinds of vehicle intrusion and terrorist attacks, and improve the security level.

· Product parameter

model	XYS-168	XYS-219	XYS-273
diameter	168mm	219mm	273mm
Column wall thickness	6mm	6-30mm(Customizable.)	
texture of wood	304 stainless steel, carbon steel.		
surface treatment	Polishing and drawing.		
Elevated height	600mm		
Power supply	AC 36V / 42V / DC 220V / 380V		
Waterproof grade		IP68	
Working temperature	-25℃---60℃		
Collision avoidance level		＞15000 joules.	
Lifting time	3-5 seconds.		
Lifting control	Wire control and remote control.		
system	Electric machine hydraulic integrated type		

· Product details



3M reflective film

High applicability

Smooth lifting.



Patterned panel

304 stainless steel.

Wear resistant and durable



Special side lamp

Uniqueness

Top lamp design



Base flange

304 stainless steel.

Wear and slide resistance.

· Optional styles

1.safe voltage

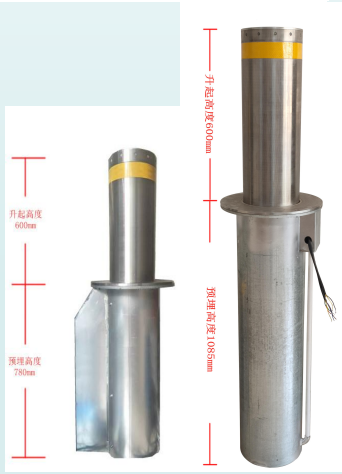
36V-42V Can choose

2.voltage

220V-380V

3.Embedded depth

740mm-1085mm Can choose



Semi-automatic lifting column

The lifting mode of semi-automatic lifting column is between full-automatic lifting column and manual lifting column: manual lowering and automatic lifting. Using the pneumatic buffer booster system, when the positioning lock is opened, the lifting column automatically rises slowly, which is more safety consideration for the operator. When you need to descend, manually open the positioning lock and press the lifting column to lower it to the bottom position.

Semi-automatic lifting road piles are usually suitable for passage control systems with high safety but low frequency of use. For economic reasons, it is often used in conjunction with fully automatic lifting road piles with the same shape, which has higher safety protection and avoids duplicated strong and weak current construction.

model	XYS-168-Z	XYS-219-Z
diameter	168mm	219mm
Column wall thickness	6mm	6-30mm（Customizable.）
texture of wood	304 stainless steel, carbon steel.	
surface treatment	Polishing and drawing.	
Elevated height	600mm	
Lifting time	3--5s	
Waterproof grade	IP68	
Working temperature	-25℃--60℃	
Collision avoidance level	＞15000 joules.	



The lowering process of the semi-automatic lifting road pile is mainly realized by the operator's own weight. When the top of the column reaches the level with the ground, the mechanical lock is self-locked. While the ascending process of the main body is 100% realized by the internal air pressure device of the semi-automatic lifting road pile. After the mechanical lock is released by using the triangular key specially used by Xin Yongshun, the cylinder automatically rises to the initial position and locks itself.

Movable isolation column

intelligent equipment can provide mobile road piles of almost all kinds of design, which meets the needs of existing traditional street facilities and municipal public buildings, and adopts triangular anti-theft locks, which is firm and collision-proof, and is easy and convenient to install. So as to realize the forced interception function of the fully automatic lifting road pile with the same shape.

- **Two mobile columns are optional.**



Embedded mobile column.



Non-embedded mobile column.

Product parameter

model	XYS-219-Y
diameter	219mm
Column wall thickness	3-5mm（Customizable.）
texture of wood	304 stainless steel, carbon steel.
surface treatment	Polishing and drawing.
Elevated height	600mm
Working temperature	35℃--75℃
Collision avoidance level	＞15000 joules.
fixed mode	triangulation net chain

The fixed column

Intelligent equipment can provide fixed road piles of intensity, almost all design types, meet the needs of existing traditional street facilities and municipal public buildings, and provide protection and landscape matching for pedestrians, buildings, glass curtain walls and specific facilities in some permanent closed areas. In addition to the warning and deterrent effect on vehicles, the fixed column is also designed based on unique materials and structures, so as to meet the need of anti-terrorism attack so as to realize the mandatory interception function of fully automatic lifting road piles with the same shape.



With flange



Without flange.

The part on the road surface has the same appearance and material as the fully automatic/semi-automatic lifting column, but it cannot move, which is mainly used with the fully automatic/semi-automatic lifting column. The fixed column is fixed on the ground. Because the fixed column is not driven by hydraulic pressure, the relative cost is relatively low. It is mainly suitable for some vehicle management places that do not need to be lifted, such as residential areas, farmer's markets, and unit doorways.

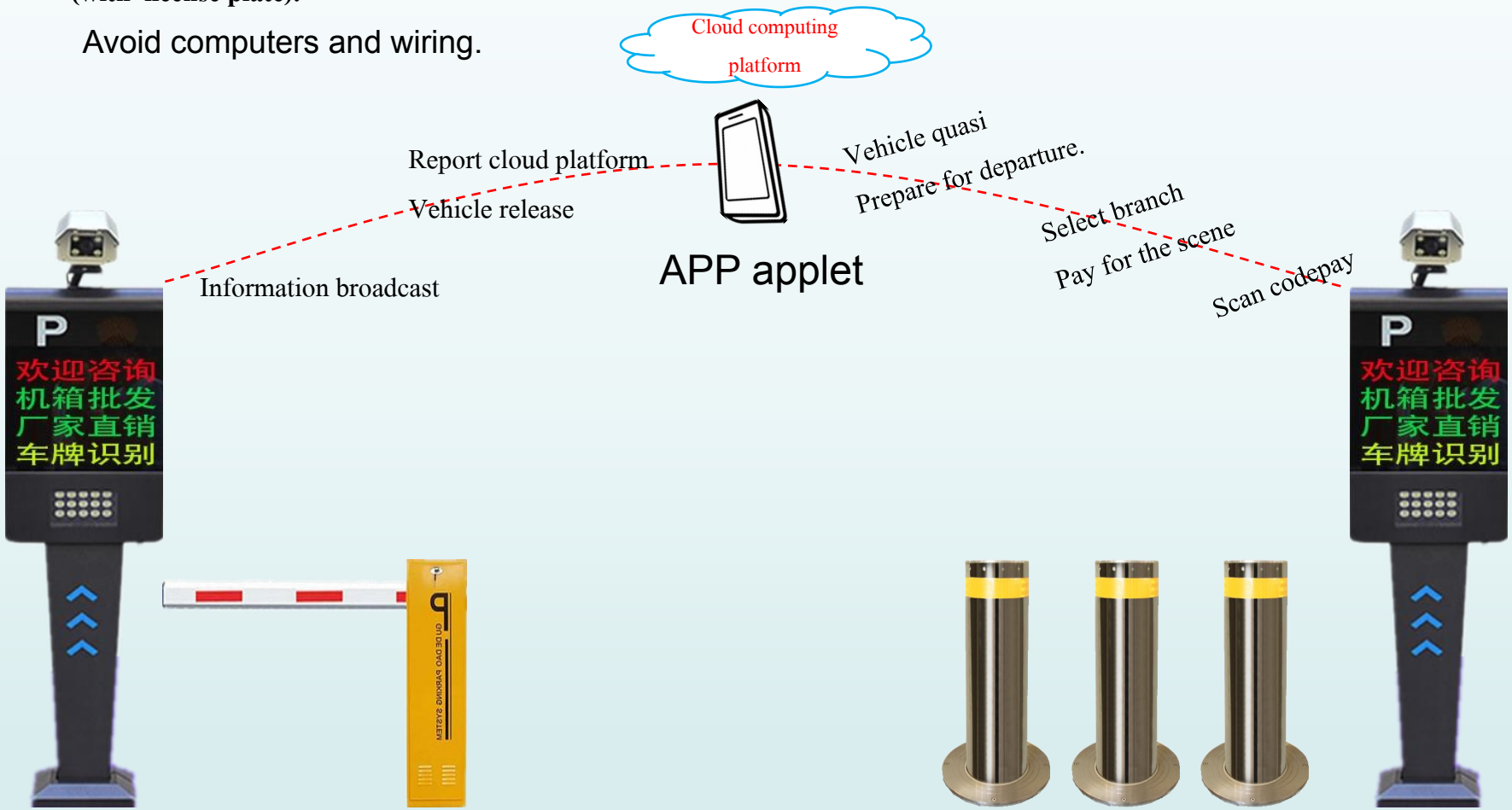
· Product parameter

model	XYS-133-G	XYS-168-G	XYS-219-G
diameter	133mm	168mm	219mm
Column wall thickness	6mm		
texture of wood	304 stainless steel, carbon steel.		
surface treatment	Polishing and drawing.		
Elevated height	600（Customizable.）		
Waterproof grade	IP68		
Working temperature	35℃--75℃		
Collision avoidance level	＞15000 joules.		

License plate recognition system

- **Schematic diagram of license plate recognition system (with license plate).**

Avoid computers and wiring.









- **Installation case.**

（License plate recognition）







Government department



school



square



park



street



housing estate