ASIA FUJI PARKING

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ASIA FUJI PARKING

TAILORING YOUR PARKING

◎ 国家高新技术企业 National High-Tech Enterprise

◎ 专业的研发队伍 Professional R & D Team

◎ 完善的技术支持和售后服务 Perfect Technical Support and Satisfying After-sales Service

ASIA FUJI PARKING

品质决定未来

Quality decides the future

人性化设计部分
THE HUMANIZED DESIGNING IN OUR SYSTEM

1 设备前方采用大跨梁结构
Adopt large-span beam

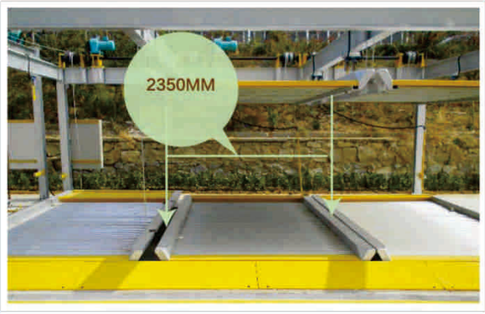
设备前方立柱采用大跨梁结构，机械车库的每个进出口处无其它立柱，驾驶员倒车入库无立柱遮挡，给使用者进出库带来很大的方便。

The front post of the equipment adopt large-span beam, and there's no other posts at the entrance, which providing convenience for the driver.

2 车板宽度
The width of pallet

根据现场实际柱网尺寸，车板宽度增加到2350mm，增加了车辆停放的宽度，车辆进出车库更加方便、快捷。不影响出车时的视角。

According to the size of posts, we increase the width of car pallet to 2350mm, which providing convenience for the driver to drive car in/out and not affect the view when driver drives car out.



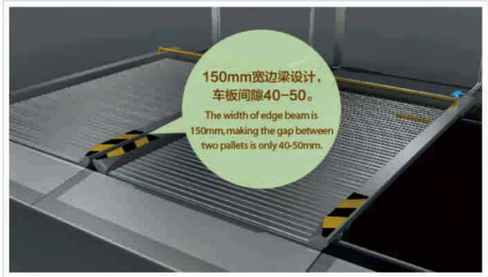
我司设计的产品可以容纳轮胎外宽为1850mm的车辆。照后镜宽度为2050mm。由于现场柱网的限制，该尺寸为最优化的方案。

The parking equipment we designed can park car with tire's outer width to be 1850 mm. And the width of the door mirror can be 2050 mm. This is the best solution due to the limitation of the posts.

3 车板边梁加宽
The edge beam of car pallet was widen.

车板边梁宽度由标准100mm增加到150mm，使相邻车板间间隙仅有40-50mm，更利于驾驶人员进出机械车库时的行走。消除了驾驶人员上下车时无处落脚的尴尬局面，同时也确保了使用者的人身安全。

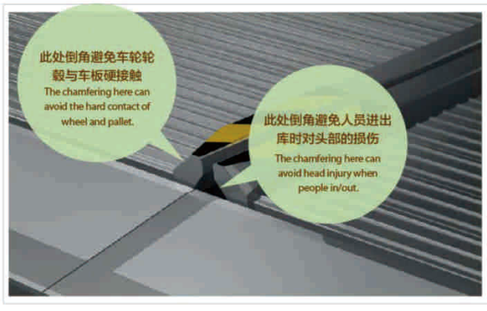
The edge beam of car pallet was widen from 100mm to 150mm, making the gap between two edge beams of car pallet is only 40-50mm, it's more steady and safe when the user step out.



4 机械车库设计时边梁倒角处理
Chamfering processing for the edge beam.

车板边梁上端的倒角处理，避免了车辆进出库时车轮与车板硬接触，使轮胎与轮毂不易被车板边梁损坏，有效的保护了车辆进出机械车库时的安全。
车板边梁下端的倒角处理，避免了人员进出机械车库时上车板对人员头部的损伤。

Chamfering processing for the upper end of the pallet edge beam, which avoiding the hard contact of wheel and pallet when car goes in/out.Effectively protect the safety of the vehicle when in/out.
Chamfering processing for the lower end of the pallet edge beam, which avoiding the head injury when people in/out.



5 先进的提升方式
The advanced lifting mode

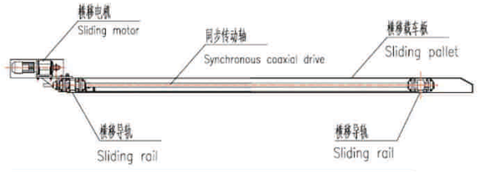
采用链条四点同时提升的方式，使设备的运行更加安全平稳，保障了设备的运行及车辆的安全。链条传动采用闭环设计，升降车板前后四点同时起吊，升降平稳，噪音低等优点。

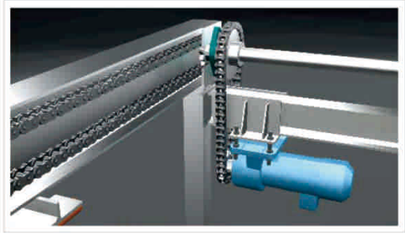
With the method of four points of the chain lift at the same time,the equipment run more safety and smooth, ensuring the running of equipment and the safety of vehicle. Adopt closed loop design for chain transmission , four corners of the pallet lift at the same time,lifting smoothly and with low noise.

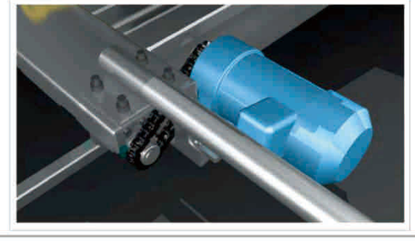
6 先进的传动方式
The advanced drive mode

采用横移车板电机链条驱动。我公司的横移车板，前后两点采用同步同轴传动（波纹板式），实现车板前后部同步横移，避免了由于单点传动带来的在启动和刹车时前后部不同步的影响，运转平稳，噪音低。

Adopt motor and chain to drive the sliding pallet, adopt coaxial drive of both front wheels and back wheels, making the front and back of the pallet sliding at same time,which avoiding the out-sync when start and brake by a single point of transmission.And it have the advantages of operation steady and with low noise.



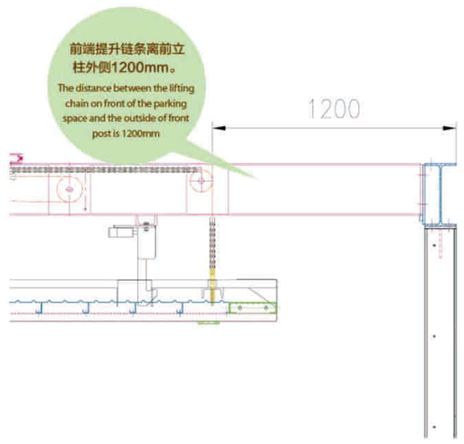




7 车位前端提升链条后置
Postposition dealt of the lifting chain on front of the parking space

车位前端提升链条离前柱外侧1200mm，增加了车辆转弯入库空间，使得车辆进出更方便、更自如。

We make the distance between the lifting chain on front of the parking space and the outside of front post to be 1200mm, increasing the space for cars entering and making cars in/our more conveniently and freely.



8 链条护套
Sheath for the chain

链条上安装了高强度反光工程塑料链条护套，使进出车辆方位感更强，也避免了车主进出库时碰触油污。

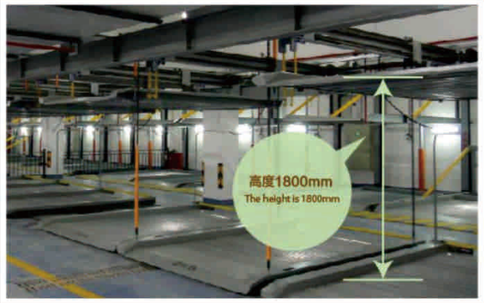
High intensity reflective engineering plastics chain sheath was installed on the chain,strengthen drivers sense of direction and avoiding the driver touch oil engine-grease when in/out.

人性化设计部分
THE HUMANIZED DESIGNING IN OUR SYSTEM

9 首层高度确保1.8m，消除人员进出的顾虑。

首层高度1800mm，方便人员进出，如现场土建允许，首层层高可适当增加。

The height of ground level is 1800mm, which convenient for person in/out. If conditions permit, ground level height can be appropriately increased.



10 倒车、正进，随心选择
Parking by Forward or Reverse as requirement.

前进入库的缺点：前进入库，车头朝里，出库时因驾驶员在整个车库里，会影响驾驶员视线，有安全隐患，建议使用倒车入库。

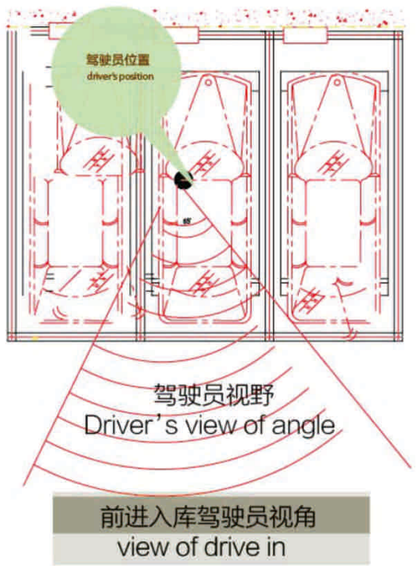
若采用前进入库，根据规范，出车通道至少为9000mm，倒车入库通道要求为6000mm。为满足停车位需求，最大限度的多停车，也考虑避免安全隐患，采用倒车入库，前进出库形式。

The disadvantage of driving in way: When drives the car in by forward, the front of the car is inside. When driver drives car out, as he's in the deep of the parking equipment, so it will affect the driver's sight and takes potential safety hazard.
We suggest you park the car by reverse.

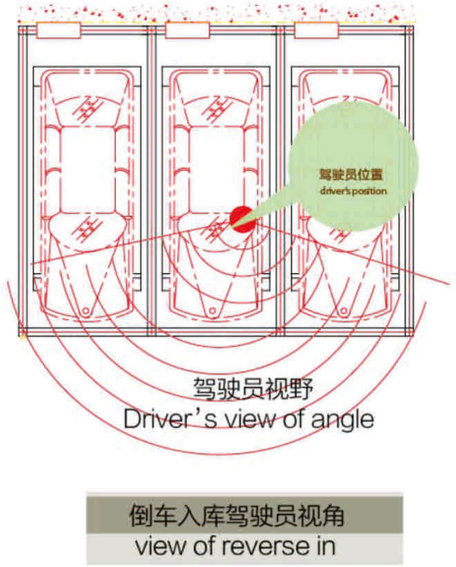
11 机械车库设计时与土建的连接
The parking equipment is connected with the construction ground

我司设计的产品采用小基坑形式，设备立柱与土建地面采用膨胀螺栓固定，施工简便，减少预埋件施工中的误差。同时在地面后浇层施工中，由于车板位置基坑下沉140mm，可以减少土建混凝土成本。

The equipment we designed adopt small pit,and use the expansion bolt to fix the posts and construction ground, so that can reduce the error in the construction of the embedded parts.



前进入库驾驶员视角
view of drive in

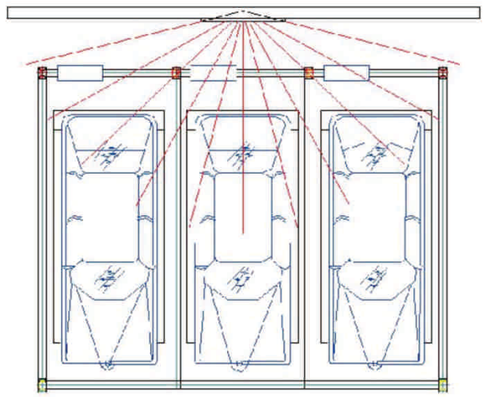


倒车入库驾驶员视角
view of reverse in

12 建议甲方在首层车位后方加装日光灯
Advice you install lamp on the back of ground level

首层车位后方1.5米处加装日光灯，可以解决地下室停车库光线问题，车辆进出时增加视线的亮度，提高出入库的视野。

We advice you install lamp on the back of ground level,it can solve the light problem of the basement parking garage and can increase the brightness and and broaden driver's view when cars in/out.



13 载车板防坠落装置（安全挂钩）
Safety Hook Device

当链条意外损坏断裂时，设置于四角的安全挂钩，钩住车台板上的吊环，防止车台板坠落。并发出声、光报警，该库位不能操作运行。保证人、车安全。

When there's accidental damage or break of the chain, the safety hook which installed on the four corners of equipment will hook on the rings on the car pallet, preventing the car pallet from falling. And send out sound and light alarm to alarm people that the equipment can't operation. So that can guarantee the safety of people and vehicle.

升降横移停车设备——两层
TWO LEVEL LIFT/SLIDING PARKING SYSTEM

工作原理 Operating Principle

设备为两层多列布置，每个设备分区的一层设一个横移空位。设备通过二层载车板的升降和一层载车板的横移动作实现存取车。一层车位可以直接存取车；二层某一车位需要存取车时，一层相应载车板移动一个车位的位置，将横移空位让到将要存取车的二层载车板正下方，二层载车板降至地面实现存取车。

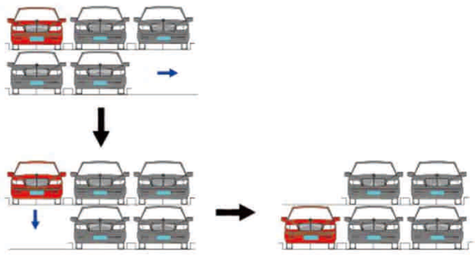
This equipment is two level and multi-column design,there's an empty parking space that can slide right or left on ground level. Cars parked/unparked by lifting of car pallet on second level and sliding of car pallet on ground level. Parking space on ground level can park/unpark car directly. When parking/unparking car on second level, the car pallet on ground level will slide right or left, leave an empty space for shift, so the car on second level can reach the ground level, the car can be parked or unparked.

示意图一

图中二层红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：
1、一层两个载车板同时向右横移一个列宽；
2、二层红色车辆所在的载车板下降至地面；
3、红色车辆开出完成取车。

Diagram 1

The car in red color on second level is to be unparked.The equipment need to finish follow actions to unpark the car.
1.Two pallets on ground level both slide to right one space.
2.The second level car pallet descend down to the ground.
3.The red car finish unparking.

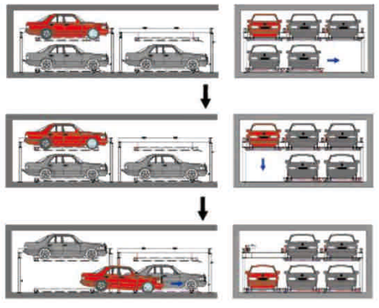


示意图二

该图为穿越结构存取车示意图。图中后排二层左侧红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：
1、后排及前排一层所有载车板同时向右横移一个列宽；
2、后排左侧二层红色车辆所在的载车板下降至地面；
3、红色车辆穿过前后两个设备开出完成取车。

Diagram 2

This is a shuttle type park/unpark diagram.
The red car on left side of back row on second level is to be unparked.The equipment need to finish follow actions to unpark the car.
1.The pallets of back and front row on ground level both slide to right one space.
2.The left side pallet of back row on upper level which loading the red car descends down to ground.
3.The red car finish unparking by crossing two equipment.



产品特点

1、设备占地面积小，空间利用率高，可根据用户要求合理布置列数。
2、可根据用户要求设计全包装式、半包装式、简易包装式及无包装式等包装形式。
3、设备造价低、维保费用低。
4、运行平稳，噪音低，存取车方便。
5、防坠落、人车误入、车辆超长报警、欠压缺相、过流、断电自锁、紧急停车等全方位安全防护。
6、全自动PLC控制，采用按钮、IC卡、遥控等多种控制方式，操作简单。

适用场合

1、居民区地下、地上停车场；
2、商业中心、办公楼；
3、车站、医院等

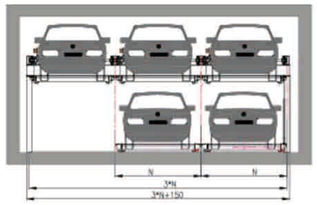
Features

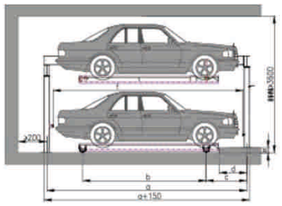
1. Save land area and take full use of space,and columns can be arranged according to your requirements.
2. About awning design, can be designed according to your requiremets, such as full awning type, part awning type and simple awning type and no awning type.
3. Low equipment cost and maintenance cost.
4. Lift smoothly and low noise,convenient for car go in or out.
5. Comprehensive security protection system,such as safety anti-falling hook,mechanism detect people or car entering,car parking limit mechanism,interlock mechanism,emergency brake mechanism.
6. Adopt PLC automatic control system,use button,IC card and remote control system,make operation very easy.

Applicable occasion

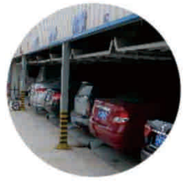
1.ground and underground parking lots in residential area.
2.commercial centre and office building.
3.station and hospital

产品基本参数 Specifications





	型式 model	小型车X small car	中型车Z mid-size car	大型车D large car	特大型车T over size car
适停车辆 Suitable parking cars	车辆尺寸 car size (mm)	长×宽×高 length × width × height ≤4400×1750×1450	长×宽×高 length × width × height ≤4700×1800×1450	长×宽×高 length × width × height ≤5000×1850×1550	长×宽×高 length × width × height ≤5300×1900×1550
		以捷达为例 e.g.:JETTA	以帕萨特为例 e.g.: Passat	以奥迪A6为例 e.g.:Audi A6	以奔驰560为例 e.g.:Benz560
	车重 car weight	≤1300Kg	≤1500Kg	≤1700Kg	≤2350Kg
	a(mm)	4870	5170	5470	5770
	b(mm)	3070	3150	3380	3780
	c(mm)	955	1090	1110	1040
需求空间 Requirement space	d(mm)	600	735	755	705
	e(mm)	140	140	140	140
	f(mm)	4600	4900	5200	5500
	N(mm)	2250	2300	2350	2400
	净高net height(mm)	≥3600	≥3600	≥3600	≥3600
电机功率 Motor power	提升电机 lift motor	2.2Kw	2.2Kw	2.2Kw	2.2Kw
	横移电机 sliding motor	0.2Kw	0.2Kw	0.2Kw	0.2Kw
额定速度 Rated speed	提升速度 lift speed	4.5m/min	4.5m/min	4.5m/min	4.5m/min
	横移速度 sliding speed	8.9m/min	8.9m/min	8.9m/min	8.9m/min
驱动方式 Drive mode		电机、链条 motor,chain	电机、链条 motor,chain	电机、链条 motor,chain	电机、链条 motor,chain
动力电源 Power		3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ
控制方式 Control mode		按钮、IC卡、遥控器 button,IC card and remote control system	按钮、IC卡、遥控器	按钮、IC卡、遥控器	按钮、IC卡、遥控器
表面处理 Surface treatment		喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized
列宽(mm) Column width		2250	2300	2350	2400
载车板内宽(mm) Inner width of pallet		1900	1950	2000	2050



升降横移停车设备——三层
THREE LEVEL LIFT/SLIDING PARKING SYSTEM

工作原理 Operating Principle

设备为三层多列布置，每个设备分区除去顶层外其余层数均设一个横移空位。设备通过三、二层载车板的升降和一、二层载车板的横移动作实现存取车。一层车位可以直接存取车；除去一层的某一层某一车位需要存取车时，其下方其余层相应载车板横移一个车位的位置，将横移空位让到将要存取车的载车板正下方，该载车板降至地面实现存取车。存取车过程见示意图。

This equipment is three level and multi-column design, there's an empty parking space on ground and second level that can slide right or left. Cars parked/unparked by the lifting of car pallet on third and second level and the sliding of car pallet on second and ground level. Parking space on ground level can park/unpark car directly. When parking/unparking car on second or third level, the car pallet that underneath this car will slide right or left to leave an empty space for shift, so the car pallet load this car will reach the ground level, the car can be parked or unparked. The park/unpark process can be seen in below diagrams.

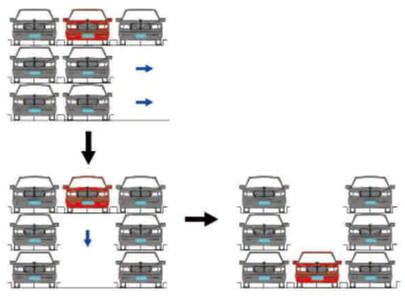
示意图一

该图为穿越结构存取车示意图。图中后排二层左侧红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：

1、后排及前排一层所有载车板同时向右横移一个列宽；
2、后排左侧二层红色车辆所在的载车板下降至地面；
3、红色车辆穿过前后两个设备开出完成取车。

Diagram 1

This is a shuttle type park/unpark diagram.
The red car on left side of back row on second level is to be unparked. The equipment need to finish follow actions to unpark the car.
1. The pallets of back and front row on ground level both slide to right one space.
2. The left side pallet of back row on upper level which loading the red car descends down to ground.
3. The red car finish unparking by crossing two equipment.



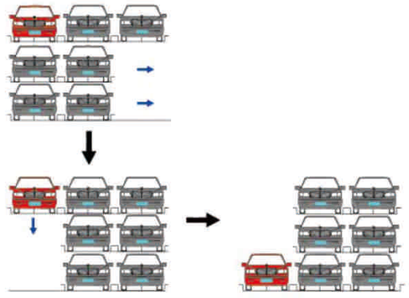
示意图二

该图为穿越结构存取车示意图。图中后排三层左侧红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：

1、后排及前排一层和二层所有载车板同时向右横移一个列宽；
2、后排左侧三层红色车辆所在的载车板下降至地面；
3、红色车辆穿过前后两个设备开出完成取车。

Diagram 2

This is a shuttle tyre park/unpark diagram.
The red car on left side of back row on third level is to be unparked. The equipment need to finish follow actions to unpark the car.
1. All pallets of back row and the ground and second level pallets of front row slide one space to right.
2. The left side pallet of back row on third level which loading the red car shift down to ground.
3. The red car finish unparking by crossing two spaces on ground.



产品特点

1、设备占地面积小，空间利用率高，可根据用户要求合理布置列数。
2、可根据用户要求设计全包装式、半包装式、简易包装式及无包装式等包装形式。
3、设备造价低、维保费用低。
4、运行平稳，噪音低，存取车方便。
5、防坠落、人车误入、车辆超长报警、欠压缺相、过流、断电自锁、紧急停车等全方位安全防护
6、全自动PLC控制，采用按钮、IC卡、遥控等多种控制方式，操作简单。

Features

1. Save land area and take full use of space,and columns can be arranged according to your requirements.
2. About awning design, can be designed according to your requiremets, such as full awning type, part awning type and simple awning type and no awning type.
3. Low equipment cost and maintenance cost.
4. Lift smoothly and low noise, convenient for car go in or out.
5. Comprehensive security protection system, such as safety anti-falling hook, mechanism detect people or car entering, car parking limit mechanism, interlock mechanism, emergency brake mechanism.
6. Adopt PLC automatic control system, use button, IC card and remote control system, make operation very easy.

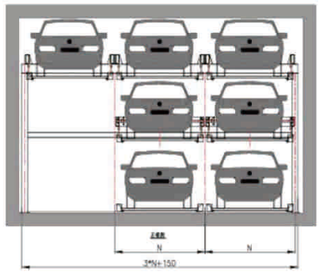
适用场合

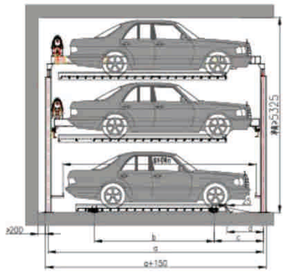
1、居民区地下、地上停车场；
2、商业中心、办公楼；
3、车站、医院等

Applicable occasion

1.Ground and underground parking lots in residential area.
2.Commercial centre and office building.
3.Station and hospital

产品基本参数 Specifications





	型式 model	小型车X small car	中型车Z mid-size car	大型车D large car	特大型车T over size car
适停车辆 Suitable parking cars	车辆尺寸 car size (mm)	长×宽×高 length × width × height	长×宽×高 length × width × height	长×宽×高 length × width × height	长×宽×高 length × width × height
		≤4400 × 1750 × 1450	≤4700 × 1800 × 1450	≤5000 × 1850 × 1550	≤5300 × 1900 × 1550
		以捷达为例 e.g.:JETTA	以帕萨特为例 e.g.: Passat	以奥迪A6为例 e.g.:Audi A6	以奔驰560为例 e.g.:Benz560
	车重 car weight	≤1300Kg	≤1500Kg	≤1700Kg	≤2000Kg
需求空间 Requirement space	a(mm)	5250	5550	5850	6150
	b(mm)	3380	3460	3540	3780
	c(mm)	955	1090	1135	1250
	d(mm)	600	735	805	705
	e(mm)	4650	4950	5250	5550
	N(mm)	2300	2350	2400	2450
	净高net height(mm)	≥3600	≥3600	≥3600	≥3600
电机功率 Motor power	提升电机 lift motor	2.2Kw	2.2Kw	2.2Kw	2.2Kw
	横移电机 sliding motor	0.2Kw	0.2Kw	0.2Kw	0.2Kw
额定速度 Rated speed	提升速度 lift speed	4.5m/min	4.5m/min	4.5m/min	4.5m/min
	横移速度 sliding speed	8.9m/min	8.9m/min	8.9m/min	8.9m/min
驱动方式 Drive mode		电机、链条 motor,chain	电机、链条 motor,chain	电机、链条 motor,chain	电机、链条 motor,chain
动力电源 Power		3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ
控制方式 Control mode		按钮、IC卡、遥控器 button,IC card and remote control system	按钮、IC卡、遥控器	按钮、IC卡、遥控器	按钮、IC卡、遥控器
表面处理 Surface treatment		喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized
列宽(mm) Column width		2250	2350	2400	2450
载车板内宽(mm) Inner width of pallet		1900	1950	2000	2050

ASIA FUJI PARKING

4—6层升降横移停车设备
FOUR-SIX LEVEL LIFT/SLIDING PARKING SYSTEM

工作原理 Operating Principle

设备为多列布置，其中第一层只能横移，最顶层只能升降，中间层既能升降又能横移，除最顶层外，每一层各设一个横移空位。设备通过顶层载车板的升降动作、一层载车板的横移动作、中间各层载车板的升降、横移动作实现存取车。一层车位可以直接存取车；中间层的某一车位需要存取车时，该载车板正下方对应的各层载车板横移一个车位的位置，将空位让到需要存取车的载车板正下方，使得该载车板可以降至地面，从而实现存取车。存取车过程见示意图。

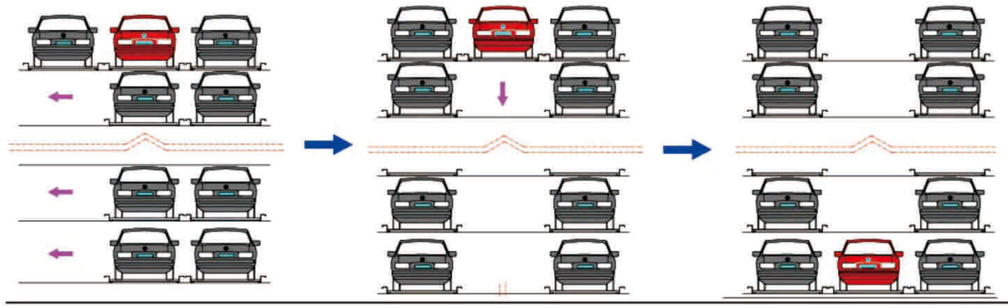
This is multi-column design equipment. The ground level can only slide right or left, the top level can only lift and the middle levels can both slide and lift. Except the top level, there's an empty space on each level that can slide right or left. Cars parked/unparked by the lifting of car pallets on top level, the sliding of car pallets on ground level and the lift and sliding of car pallets on middle levels. Parking space on ground level can park/unpark car directly. When parking/unparking car on middle level, the car pallets that underneath the parked/unparked car all slide right or left to leave an empty space and make the empty space just underneath the parked/unparked car. So the car pallet can reach to ground level, then the car can be parked or unparked. The park/unpark process can be seen in below diagrams.

示意图说明

图中红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：
1.顶层红色车辆正下方对应的中间层载车板向左横移一个列宽；
2.顶层红色车辆所在的载车板下降至地面；
3.红色车辆开出完成取车。
注：存车过程与取车过程相同。即顶层空载车板正下方对应的中间层载车板向左横移一个列宽后，顶层空载车板下降至地面，车辆驶入停稳后，载车板上升至顶层，完成车辆的存放。

Parking Diagram

The car in red color is to be unparked. The equipment need to finish follow actions to unpark the car.
1. The middle car pallets that underneath the red car all slide one space to left.
2. The car pallet that load the red car shift down to the ground.
3. The red car finish unparking.
Note: The parking process is the same as the unparking process. The middle car pallets that underneath the vacant pallet on top level all slide one space to left, then the vacant pallet shift down to the ground. The pallet lift to top level when the car drive on steady and then finish car parking.



产品特点

1、结构灵活，可根据用户要求及现场条件进行最优布局；
2、可根据用户要求设计全包装式、半包装式、简易包装式及无包装式等包装形式；
3、设备占地面积小，空间利用率高，停放车辆数量为平面停车场停放数量的5倍左右；
4、设备造价低、维保费用低；
5、运行平稳，噪音低，存取车方便；
6、人车误入报警、限位保护、松绳保护、防坠落保护、车辆超长报警、延时保护、过（欠）压保护过流、断电自锁、紧急停车等全方位安全防护；
7、全自动PLC控制，采用按钮、IC卡、遥控等多种控制方式，操作简单。

Features

1. The system structure is very flexible and can be arranged according to your site condition and requirements.
2. About awning design, can be designed according to your requirements, such as full awning type , part awning type and simple awning type and no awning type.
3. Save land area and take full use of space, the parking quantity is about 5 times compared with normal plane parking lot.
4. Low equipment cost and maintenance cost.
5. Lift smoothly and with low noise, convenient for car goes in or out.
6. Comprehensive security protection system, such as safety anti-falling hook, mechanism detect people or car entering, car parking limit mechanism, interlock mechanism, emergency brake mechanism.
7. Adopt PLC automatic control system, use button, IC card and remote control system, make operation very easy.

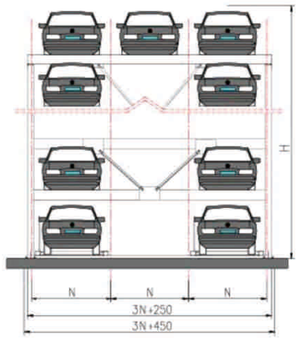
适用场合

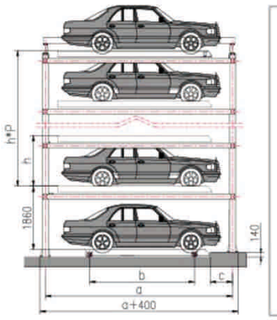
该设备为地上停车设备，适用于居民区、商业中心、办公楼、车站、医院等场所。

Applicable occasion

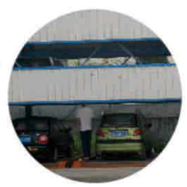
This is an above ground type parking system, it's suitable for residential area, commercial center, office buildings, stations, hospitals etc.

产品基本参数 Specifications





	型式 model	小型车X small car	中型车Z mid-size car	大型车D large car	特大型车T over size car
适停车辆 Suitable parking cars	车辆尺寸	长×宽×高	长×宽×高	长×宽×高	长×宽×高
	car size	length × width × height	length × width × height	length × width × height	length × width × height
	(mm)	≤4400×1750×1450	≤4700×1800×1450	≤5000×1850×1550	≤5300×1900×1550
		以捷达为例	以帕萨特为例	以奥迪A6为例	以奔驰560为例
		e.g.:JETTA	e.g.: Passat	e.g.:Audi A6	e.g.:Benz560
	车重 car weight	≤1300Kg	≤1500Kg	≤1700Kg	≤2350Kg
需求空间 Requirement space	h(mm)	1700	1700	1700	1700
	p(层数Level)	4-6	4-6	4-6	4-6
	a(mm)	5300	5600	5900	6200
	b(mm)	2700	3000	3300	3500
	c(mm)	700	700	700	700
	N(mm)	2400	2400	2400	2450
	H(mm)	h*p+3600	h*p+3600	h*p+3600	h*p+3600
电机功率 Motor power	提升电机 lift motor	2.2Kw、3.7Kw	2.2Kw、3.7Kw	2.2Kw、3.7Kw	2.2Kw、3.7Kw
	横移电机 sliding motor	0.2Kw	0.2Kw	0.2Kw	0.2Kw
额定速度 Rated speed	提升速度 lift speed	4.8、7.0m/min	4.8、7.0m/min	4.8、7.0m/min	4.8、7.0m/min
	横移速度 sliding speed	6.4、9.5m/min	6.4、9.5m/min	6.4、9.5m/min	6.4、9.5m/min
驱动方式 Drive mode		链条/钢丝绳 Motor and Steel Rope	链条/钢丝绳 Motor and Steel Rope	链条/钢丝绳 Motor and Steel Rope	链条/钢丝绳 Motor and Steel Rope
动力电源 Power		3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ
控制方式 Control mode		按钮、IC卡、遥控器 button,IC card and remote control system			
表面处理 Surface treatment		喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized



升降横移停车设备——负一正二

LIFT-SLIDING PARKING SYSTEM-THREE LEVELS WITH PIT

工作原理 Operating Principle

本设备分为上、中、下三层，其中地上两层，地下一层，为负一正二布局（可多列）。中层设一空位，作为交换车位。上、下两层车位可自行升降，中层车位可自行横移。中层车位与地面等平，可直接存取车辆；存取上、下层车辆时，该车位对应的中层车位横移至交换车位，该车位上、下形成一个升降通道，使该车位实现上下存取车辆的升降动作，当该车位运行到地面时，即可实现车辆的存取。存取车过程见示意图。

This equipment have the top, middle and buttom levels,two levels are on and above ground and the bottom level is underground. There's an empty space for exchange. The spaces on top and bottom level can shift up and down automatically, and spaces on middle level can slide left and right. Spaces on middle level are in the same level with ground, so cars can go out and in freely. When park/unpark cars on top or bottom level, the pallet on middle level will slide right or left to the leave an emapty space for the pallets shift up and down. When the pallets run to the ground, then cars can be parked/unparked. The park/unpark process can be seen in below. diagrams.

示意图一

图中二层红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：

1、一层两个载车板同时向左横移一个列宽；

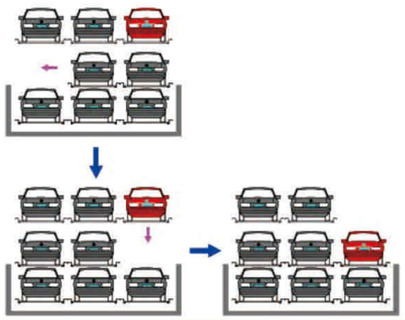
2、二层红色车辆所在的载车板下降至地面；

3、红色车辆开出完成取车。

Diagram 1

The car in red color that on second level is to be unparked. The equipment need to finish follow actions to unpark the car.

1. The two car pallets on ground level both slide one space to the left.
2. The second level car pallet which stands the red car shift down to the ground.
3. The red car finish unparking.



示意图二

图中负一层红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：

1、负一层正上方的一层载车板向左横移一个列宽；

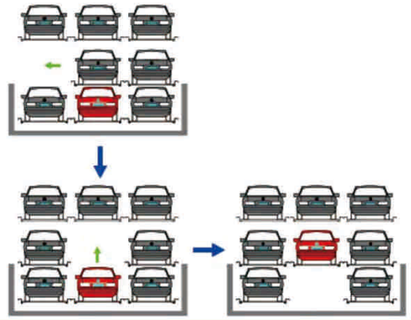
2、负一层红色车辆所在的载车板上升至地面；

3、红色车辆开出完成取车。

Diagram 2

The car in red color that underground is to be unparked.
The equipment need to finish follow actions to unpark the car.

1. The pallet on ground level that above the red car slide one space to left.
2. The pallet that load the red car underground shift up to the ground.
3. The red car finish unparking.



产品特点

1、设备占地面积小，充分利用地下空间，空间利用率更高，可根据用户要求合理布置列数。

2、可根据用户要求设计全包装式、半包装式、简易包装式及无包装式等包装形式。

3、设备造价低、维保费用低。

4、运行平稳，噪音低，存取车方便。

5、防坠落、人车误入、车辆超长报警、欠压缺相、过流、断电自锁、紧急停车等全方位安全防护

6、全自动PLC控制，采用按钮、IC卡、遥控等多种控制方式，操作简单。

Features

1. Save land area and take full use of space,and columns can be arranged according to your requirements.
2. About awning design, can be designed according to your requiremets, such as full awning type, part awning type, simple awning type and no awning type.
3. Low equipment cost and maintenance cost.
4. Lift smoothly and low noise,convenient for car go in or out.
5. Comprehensive security protection system,such as safety anti-falling hook,mechanism detect people or car entering,car parking limit mechanism,interlock mechanism,emergency brake mechanism.
6. Adopt PLC automatic control system,use button,IC card and remote control system, making operation very easy.

适用场合

1、居民区地下、地上停车场；

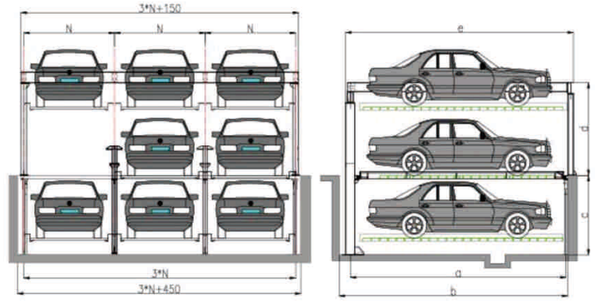
2、商业中心、办公楼；

3、车站、医院等

Applicable occasion

1. ground and underground parking lots in residential area.
2. commercial centre and office building.
3. station and hospital

产品基本参数 Specifications



	型式 model	小型车X small car	中型车Z mid-size car	大型车D large car	特大型车T over size car
适停车辆 Suitable parking cars	车辆尺寸 car size	长×宽×高 length × width × height	长×宽×高 length × width × height	长×宽×高 length × width × height	长×宽×高 length × width × height
	(mm)	≤4400 × 1750 × 1450	≤4700 × 1800 × 1450	≤5000 × 1850 × 1550	≤5300 × 1900 × 1550
		以捷达为例 e.g.:JETTA	以帕萨特为例 e.g.: Passat	以奥迪A6为例 e.g.:Audi A6	以奔驰560为例 e.g.:Benz560
	车重 car weight	≤1300Kg	≤1500Kg	≤1700Kg	≤2350Kg
需求空间 Requirement space	a(mm)	4934	5234	5534	5834
	b(mm)	5400	5700	6000	6300
	c(mm)	2050	2050	2150	2150
	d(mm)	2516	2516	2516	2516
	e(mm)	5258	5558	5858	6158
	N(mm)	2250	2300	2350	2400
	净高net height(mm)	≥5650	≥5650	≥5750	≥5750
电机功率 Motor power	提升电机 lift motor	2.2Kw	2.2Kw	2.2Kw	2.2Kw
	横移电机 sliding motor	0.2Kw	0.2Kw	0.2Kw	0.2Kw
额定速度 Rated speed	提升速度 lift speed	4.56m/min	4.56m/min	4.56m/min	4.56m/min
	横移速度 sliding speed	7.35m/min	7.35m/min	7.35m/min	7.35m/min
驱动方式 Drive mode		电机、链条 motor,chain	电机、链条 motor,chain	电机、链条 motor,chain	电机、链条 motor,chain
动力电源 Power		3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ	3相5线制 380V，50HZ 3 phase 5 wire 380V 50HZ
控制方式 Control mode		按钮、IC卡、遥控器 button,IC card and remote control system	按钮、IC卡、遥控器	按钮、IC卡、遥控器	按钮、IC卡、遥控器
表面处理 Surface treatment		喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized	喷漆、镀锌 painting,galvanized
列宽(mm) Column width		2250	2300	2350	2400
载车板内宽(mm) Inner width of pallet		1900	1950	2000	2050

升降横升降横移停车设备——后悬臂
BACK CANTILEVER LIFT/SLIDING PARKING SYSTEM

工作原理 Operating Principle

设备为两层多列布置，每个设备分区的一层设一个横移空位。设备通过二层载车板的升降和一层载车板的横移动作实现存取车。一层车位可以直接存取车；二层某一车位需要存取车时，该车位正下方的一层载车板横移一个车位的位置，将横移空位让到将要存取车的二层载车板正下方，二层载车板降至地面实现存取车。存取车过程见示意图。

This is a two level and multi-column design equipment, there's an empty parking space that can slide right or left on ground level. Cars parked/unparked by the lifting of car pallet on second level and the sliding of car pallet on ground level. Parking space on ground level can park/unpark car directly. When parking/unparking car on second level, the car pallet on ground level will slide right or left to leave an empty space for shift, so the car on second level can reach the ground level, the car can be parked or unparked.
The park/unpark process can be seen in below diagrams.

示意图一

图中红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：
1、二层红色车辆正下方对应的一层载车板向右横移一个列宽；
2、红色车辆所在的载车板下降至地面；
3、红色车辆开出完成取车。

Diagram 1

The car in red color on second level is to be unparked. The equipment need to finish follow actions to unpark the car.
1. The car pallet on ground level that underneath the red car slide one space to right.
2. The second level car pallet shift down to the ground.
3. The red car finish unparking.

示意图二

图中红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：
1、一层两个载车板同时向右横移一个列宽；
2、红色车辆所在的载车板下降至地面；
3、红色车辆开出完成取车。
存车过程与取车过程相同。即二层空载车板正下方对应的一层载车板横移一个列宽后，二层空载车板下降至地面，车辆驶入停稳后，载车板上升至二层，完成车辆的存放。

Diagram 2

The car in red color on second level is to be unparked. The equipment need to finish follow actions to unpark the car.
1. Two pallets on ground level both slide one space to right.
2. The second level car pallet shift down to the ground.
3. The red car finish unparking.
Note: The parking process is the same as the unparking process. The pallet on ground level slide to leave an empty space to make sure this empty space underneath the empty pallet on second level. Then the empty pallet on second level shift down to ground. The pallet lift to second level when the car drive on steady and finish car parking.

产品特点

1、结构灵活，可根据用户要求及现场条件进行最优布局。
2、可根据用户要求设计全包装式、半包装式、简易包装式及无包装式等包装形式。
3、设备占地面积小，空间利用率高，停放车辆数量为平面停车场停放数量的2倍左右。
4、设备造价低、维保费用低。
5、运行平稳，噪音低，存取车方便。
6、人车误入报警、限位保护、松绳保护、防坠落保护、车辆超长报警、延时保护、过（欠）压保护、过流、断电自锁、紧急停车等全方位安全防护。
7、全自动PLC控制，采用按钮、IC卡、遥控等多种控制方式，操作简单。

Features

1. The system structure is very flexible and can be arranged according to your site condition and requirements.
2. About awning design, can be designed according to your requirements, such as full awning type , part awning type and simple awning type and no awning type.
3. Save land area and take full use of space, the parking quantity is about 5 times compared with normal plane parking lot.
4. Low equipment cost and maintenance cost.
5. Lift smoothly and with low noise, convenient for car goes in or out.
6. Comprehensive security protection system, such as safety anti-falling hook, mechanism detect people or car entering, car parking limit mechanism, interlock mechanism, emergency brake mechanism.
7. Adopt PLC automatic control system, use button, IC card and remote control system, make operation very easy.

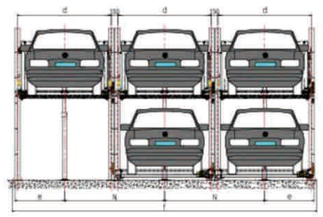
适用场合

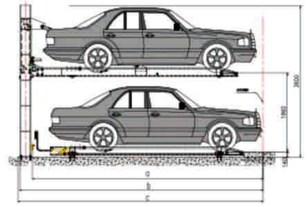
该设备为地上停车设备，适用于居民区、商业中心、办公楼、车站、医院等场所。

Applicable occasion

This is an above ground type parking system, it's suitable for residential area, commercial center, office buildings, stations, hospitals etc.

产品基本参数 Specifications





	型式 model	小型车X small car	中型车Z mid-size car	大型车D large car	特大型车T over size car
适停车辆 Suitable parking cars	车辆尺寸	长×宽×高	长×宽×高	长×宽×高	长×宽×高
	car size	length × width × height	length × width × height	length × width × height	length × width × height
	(mm)	≤4400×1750×1450	≤4700×1800×1450	≤5000×1850×1550	≤5300×1900×1550
		以捷达为例	以帕萨特为例	以奥迪A6为例	以奔驰560为例
		e.g.:JETTA	e.g.: Passat	e.g.:Audi A6	e.g.:Benz560
	车重 car weight	≤1300Kg	≤1500Kg	≤1700Kg	≤2350Kg
需求空间 Requirement space	a(mm)	4800	5100	5400	5700
	b(mm)	5100	5400	5700	6000
	c(mm)	5150	5450	5750	6050
	d(mm)	2100	2150	2200	2250
	e(mm)	1110	1135	1160	1185
	f(mm)	6850	7000	7150	7300
	N(mm)	2250	2300	2350	2400
额定速度 Rated speed	提升速度 lift speed	4.1m/min	4.1m/min	4.1m/min	3.7 m/min
	横移速度 sliding speed	8.9m/min	8.9m/min	8.9m/min	8.9m/min
驱动方式 Drive mode		液压（提升）；电机＋链条（横移）			
		Hydraulic(lift);motor and chain(Sliding)			
动力电源 Power		3相5线制 380V，50HZ	3相5线制 380V，50HZ	3相5线制 380V，50HZ	3相5线制 380V，50HZ
		3 Phase 5 Wire 380V 50HZ	3 Phase 5 Wire 380V 50HZ	3 Phase 5 Wire 380V 50HZ	3 Phase 5 Wire 380V 50HZ
控制方式 Control mode		按钮、IC卡、遥控器	按钮、IC卡、遥控器	按钮、IC卡、遥控器	按钮、IC卡、遥控器
		Button,IC Card and Remote Control System			
表面处理 Surface treatment		喷漆、镀锌	喷漆、镀锌	喷漆、镀锌	喷漆、镀锌
		Galvanized or Painting	Galvanized or Painting	Galvanized or Painting	Galvanized or Painting
载车板内宽(mm) Inner width of pallet		1930	1980	2030	2080

地上两层简易升降停车设备
TWO LEVEL SIMPLE PARKING EQUIPMENT

工作原理 Operating Principle

设备为两层布置，一层车位可以直接存取车；二层车位存取车时，需要将一层的车取出，存取车过程见示意图。

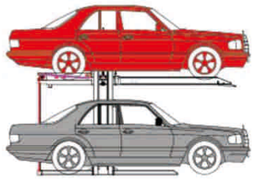
This is a two level design parking system, parking space on ground level can park/unpark car directly. When parking/unparking car on second level, the car on ground level need to be driven out.
The park/unpark process can be seen in below diagrams.

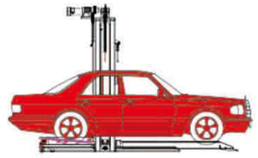
示意图说明

图中二层红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：
1、二层红色车辆的正下方对应的车辆开出设备；
2、二层红色车辆所在的载车板下降至地面；
3、红色车辆开出完成取车。

Parking Diagram

The car in red color on second level is to be unparked. The equipment need to finish follow actions to unpark the car.
1. The car on ground level that underneath the red car drive out.
2. The second level car pallet shift down to the ground.
3. The red car finish unparking.





产品特点

1、设备占地面积小，空间利用率高，可根据用户要求合理布置列数。
2、可根据用户要求设计全包装式、半包装式、简易包装式及无包装式等包装形式。
3、设备造价低、维保费用低。
4、垂直升降，操作简单，存取车方便，故障率低。
5、防坠落、紧急停车等全方位安全防护
6、采用按钮、遥控等多种控制方式，操作简单。

Features

1. Save land area and take full use of space, columns can be arranged according to your requirements.
2. According to custmer's requirement, whole pack, half pack, or simple pack awning for the equipment can be adopted
3. Low equipment cost and maintenance cost.
4. Vertical lift and easy cooperation, lift smoothly with low noise, convenient for car goes in or out.
5. Comprehensive security protection system, such as safety anti-falling hook and emergency brake mechanism.
6. Adopt the control system with button and remote control, make operation very easy.

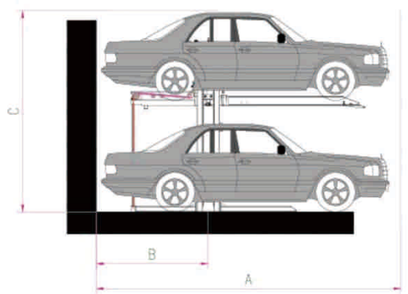
适用场合

多适用于企事业单位及住宅小区。

Applicable occasion

Enterprise and public institutions, residential area.

产品基本参数 Specifications



	型式 model	小型车X small car	中型车Z mid-size car	大型车D large car
适停车辆 Suitable parking cars	车辆尺寸 car size (mm)	长×宽×高 length × width × height ≤4400 × 1750 × 1450	长×宽×高 length × width × height ≤4700 × 1800 × 1450	长×宽×高 length × width × height ≤5000 × 1850 × 1550
		以捷达为例 e.g.:JETTA	以帕萨特为例 e.g.: Passat	以奥迪A6为例 e.g.:Audi A6
	车重 car weight	≤1300Kg	≤1500Kg	≤1700Kg
需求空间 Requirement space	A(mm)	4700	5000	5300
	B(mm)	1800	1880	1950
	C(mm)	3500	3500	3500
	D(mm)	2203	2253	2303
	E(mm)	2550	2600	2650
	F(mm)	3022	3022	3022
	G(mm)	1900	1950	2000
电机功率 Motor power	提升电机 lift motor	1.5Kw	1.5Kw	1.5Kw
额定速度 Rated speed	提升速度 lift speed	2.5m/min	2.5m/min	2.5m/min
驱动方式 Drive mode		电机、链条 Motor,Chain	电机、链条 Motor,Chain	电机、链条 Motor,Chain
动力电源 Power		3相5线制 380V，50HZ 3 Phase 5 Wire 380V 50HZ	3相5线制 380V，50HZ 3 Phase 5 Wire 380V 50HZ	3相5线制 380V，50HZ 3 Phase 5 Wire 380V 50HZ
控制方式 Control mode		按钮、遥控器 Button and Remote Control System	按钮、遥控器 Button and Remote Control System	按钮、遥控器 Button and Remote Control System
表面处理 Surface treatment		喷漆、镀锌 Galvanized or painting	喷漆、镀锌 Galvanized or painting	喷漆、镀锌 Galvanized or painting
载车板内宽(mm) Inner width of pallet		1900	1950	2000

半地下三层简易升降停车设备
THREE LEVEL SIMPLE PARKING EQUIPMENT WITH PIT

工作原理 Operating Principle

设备为三层布置，上下车位固定成一个升降体，平时沉于地坑，顶层可以直接取车，升起后可取下层车。

This is a three level design parking system, the bottom and middle level installed as a lifting body and those two levels usually stay in pit.
The top level can unpark car directly.When unpark car from the bottom and middle level, those levels need to lift to unpark cars.
The park/unpark process can be seen in below diagrams.

产品特点

1、设备占地面积小，空间利用率高，可根据用户要求合理布置列数。
2、可根据用户要求设计全包装式、半包装式、简易包装式及无包装式等包装形式。
3、设备造价低、维保费用低。
4、垂直升降，操作简单，存取车方便，故障率低。

Features

1. Save land area and take full use of space, columns can be arranged according to your requirements.
2.According to custmer's requirement,whole pack,half pack,or simple pack awning for the equipment can be adopted
3. Low equipment cost and maintenance cost.
4. Vertical lift and easy cooperation,lift smoothly with low noise,convenient for car goes in or out.

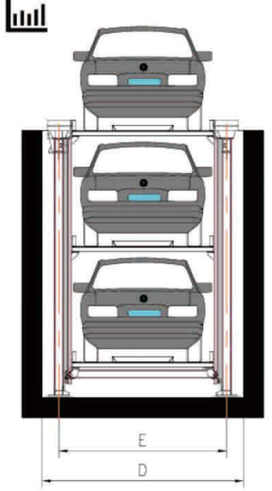
适用场合

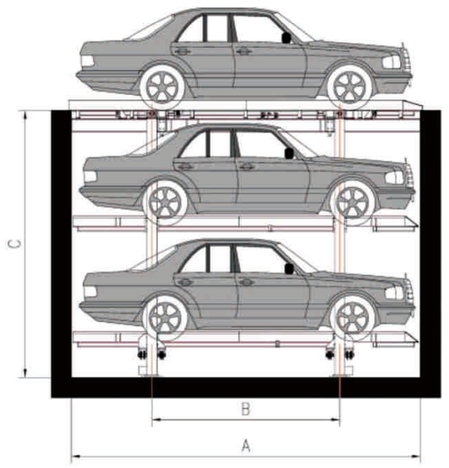
多适用于酒店、企事业单位及住宅小区。

Applicable occasion

Hotels, enterprises and institutions and residential area.

产品基本参数 Specifications





	型式 model	小型车X small car	中型车Z mid-size car	大型车D large car
适停车辆 Suitable parking cars	车辆尺寸	长×宽×高	长×宽×高	长×宽×高
	car size	length × width × height	length × width × height	length × width × height
	(mm)	≤4400×1750×1450	≤4700×1800×1450	≤5000×1850×1550
		以捷达为例	以帕萨特为例	以奥迪A6为例
		e.g.:JETTA	e.g.: Passat	e.g.:Audi A6
	车重 car weight	≤1300Kg	≤1500Kg	≤1700Kg
需求空间 Requirement space	a(mm)	4900	5200	5500
	b(mm)	2400	2600	2800
	c(mm)	4000	4000	4000
	d(mm)	3000	3000	3000
	e(mm)	2550	2600	2500
电机功率 Motor power	提升电机 lift motor	4Kw	4Kw	4Kw
额定速度 Rated speed	提升速度 lift speed	2.5m/mn	2.5m/mn	2.5m/mn
驱动方式 Drive mode		电机、链条	电机、链条	电机、链条
		Motor,Chain	Motor,Chain	Motor,Chain
动力电源 Power		3相5线制 380V，50HZ	3相5线制 380V，50HZ	3相5线制 380V，50HZ
		3 Phase 5 Wire 380V 50HZ	3 Phase 5 Wire 380V 50HZ	3 Phase 5 Wire 380V 50HZ
控制方式 Control mode		按钮、遥控器	按钮、遥控器	按钮、遥控器
		Button and Remote Control System	Button and Remote Control System	Button and Remote Control System
表面处理 Surface treatment		喷漆、镀锌	喷漆、镀锌	喷漆、镀锌
		Galvanized or painting	GGalvanized or painting	Galvanized or painting
载车板内宽(mm) Inner width of pallet		1900	1950	2000

液压俯仰式简易升降停车设备
HYDRAULIC TILTING PARKING LIFT

工作原理 Operating Principle

设备为两层布置，一层车位可以直接存取车；二层车位存取车时，需要将一层的车取出，存取车过程见示意图。

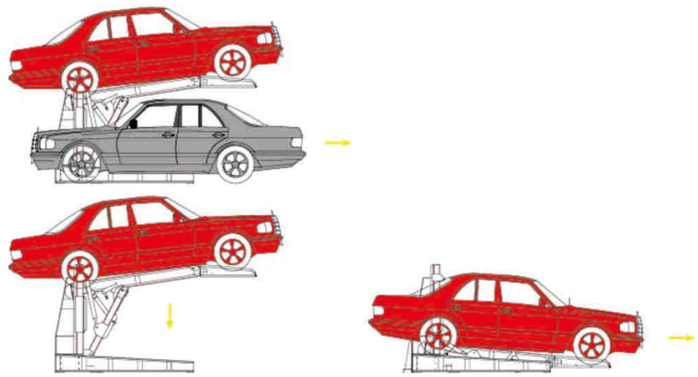
This is a two level design parking system, parking space on ground level can park/unpark car directly. When parking/unparking car on second level, the car on ground level need to be driven out.
The park/unpark process can be seen in below diagrams.

示意图说明

图中二层红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：
1、二层红色车辆的正下方对应的车辆开出设备；
2、二层红色车辆所在的载车板下降至地面；
3、红色车辆开出完成取车。

Parking Diagram

The car in red color on second level is to be unparked. The equipment need to finish follow actions to unpark the car.
1. The car on ground level that underneath the red car drive out.
2. The second level car pallet shift down to the ground.
3 The red car finish unparking.



产品特点

1、设备占地面积小，空间利用率高，土建高度要求在3000mm左右，可根据用户要求合理布置列数。
2、可根据用户要求设计全包装式、半包装式、简易包装式及无包装式等包装形式。
3、设备造价低、维保费用低。
4、垂直升降，操作简单，存取车方便，故障率低，超低噪音。

Features

1. Save land area and take full use of space, the construction height requirement is about 3000mm and columns can be arranged according to your requirements.
2. According to custmer's requirement, whole pack, half pack, or simple pack awning for the equipment can be adopted
3. Low equipment cost and maintenance cost.
4. Vertical lift and easy cooperation, lift smoothly with low noise, convenient for car goes in or out.

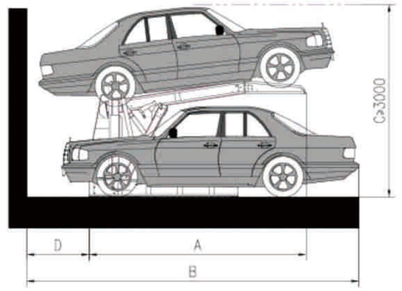
适用场合

多适用于酒店、企事业单位及住宅小区。

Applicable occasion

Hotels, enterprises and institutions and residential area.

产品基本参数 Specifications



	型式 model	大型车D large car
适停车辆 Suitable parking cars	车辆尺寸 car size	长×宽×高 length × width × height
	(mm)	≤5000×1850×1550
		以奥迪A6为例
		e.g.:Audi A6
	车重 car weight	≤1700Kg
需求空间 Requirement space	A(mm)	3700
	B(mm)	5500
	C(mm)	3000
	D(mm)	1050
	F(mm)	2500
电机功率 Motor power	提升电机 lift motor	2.2Kw
额定速度 Rated speed	提升速度 lift speed	2.5-4m/min
驱动方式 Drive mode		液压
		Hydraulic
动力电源 Power		3相5线制 380V，50HZ
		3 Phase 5 Wire 380V 50HZ
控制方式 Control mode		按钮
		Button
表面处理 Surface treatment		喷漆，镀锌
		Galvanized or painting
载车板内宽(mm) Inner width of pallet		2000

平面移动类停车设备——五层平面移动

FIVE LEVEL AUTOMATED PARKING SYSTEM

工作原理 Operating Principle

本设备通过升降机的垂直升降和同一层上搬运车台的平面往复运动将车辆自动移动到多层平面布置的停车区域，并通过驻车室的转盘将车辆进行掉头，保证车辆出入库都是前进方向，方便进出。存取车过程见示意图。

This equipment park car automatically to the multi-level parking space by elevator's vertical lift and the reciprocating movement of conveyor on same level. And cars turned around by the rotation pallet in parking room, ensuring the forward of car is outside,convenient driveing car in and out. The park/unpark process can be seen in below diagrams.

示意图说明

图中红色车辆要取车，设备需要完成以下动作来实现该车辆取车：

1.与红色车辆位于同一层的搬运台车通过横移移动到红色车辆正后方，然后通过搬运器将该车搬运到台车上；

2.搬运台车载此车辆横移到升降机相邻位置后，搬运器将车辆搬运到升降机上；

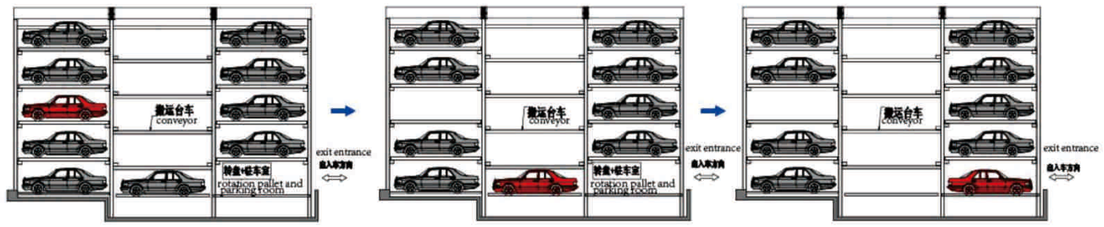
3.升降机下降，降到车辆出入口处；

4.搬运器将车搬运到驻车室，转盘旋转，将车辆掉头，保证车头朝外，完成取车。

Parking Diagram

The car in red color is to be unparked. The equipment need to finish follow actions to unpark the car.

1. The convey pallet which in the same level with the red car slide to the fully back of the red car, then the conveyor convey the red car to the pallet.
2. The convey pallet with the red car slide to the adjacent position with the elevator, then put the car on elevator.
3. The elevator descend down to the exit of the car.
4. Convey pallet convey the car to parking room and the rotation pallet rotte to turn the car, to ensure the front of car is outward, then the red car finish unparking.



产品特点

1、无需坡道，节省占地，容车密度大，可以最大化提高土地利用率；

2、自动存取，存取车快捷，一次按键即可完成存取车。

3、最适宜建于巷道长度长、层数不多的地下大容量存车库；

4、设有安全保护装置，使用安全可靠，避免各种意外发生；

5、光电安全检测，控制车辆规格及停车数量；

6、一般不需要强制通风，无大面积照明，节约能源；

Features

1. There's no need of ramp, so that can save land area and the parking capacity density is big to take full use of space.
2. Park/unpark automatically and easily,can park/unpark by a button press.
3. The most suitable building place is underground parking garage with long laneway and not too many levels.
4. Equipped with safety protection device, ensure safety and reliable to avoid various accidents.
5. Adopt photoelectric safety inspection to control the dimension and quantity of parking cars.
6. Generally do not need forced ventilation and there's no large area lighting, energy saving.

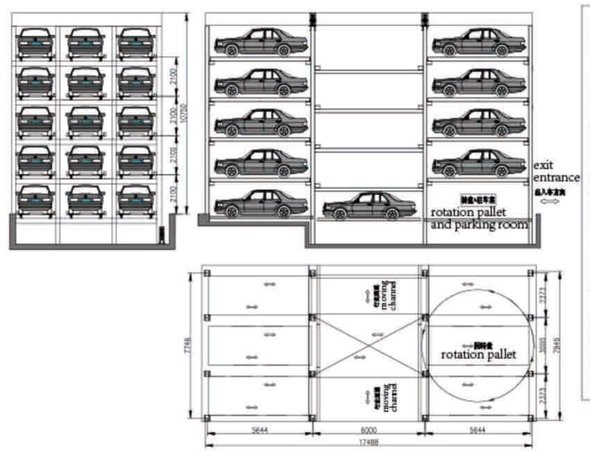
适用场合

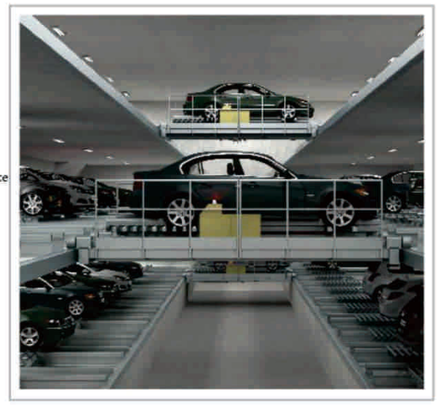
最适宜大中型建筑物或公共设施中安装，可以按照纵列和横列方式进行布置。

Applicable occasion

The most suitable place for this system is the large and medium-sized buildings or public facilities, it can be designed according the vertical and horizontal comulmn.

产品基本参数 Specifications





容车规格 Suitable Parking Cars	车辆尺寸 car size	长×宽×高 length×width×height
	(mm)	≤5200×1950×1550
	车重 car weight (kg)	≤2000
主要参数 Main Parameter	层高 Level Height(mm)	2100
	总高 Overall Hesight(mm)	10750
电机功率 Motor power	夹臂电机 Clamp Arm Motor	1.5Kw
	小车横移电机 Sliding Motor of Conveyor	0.75Kw
	夹臂横移电机 Sliding Motor of Clamp Arm	0.2Kw
额定速度 Rated speed	夹臂 Clamp Arm	30m/min (变频可调)
	小车横移 Sliding Speed of Conveyor	45m/min (变频可调)
	夹臂横移 Sliding Speed of Clamp Arm	15m/min
驱动方式 Drive mode		油压驱动+钢丝绳提升
		Hydraulic drive and steel rope hoisting
动力电源 Power		3相5线制 380V，50HZ
		3 Phase 5 Wire 380V 50HZ
控制方式 Control mode		按钮、IC卡、触摸屏
		Button,IC Card and Touch Panel
车库门 Garage Door		快速对开门或2U门
		Quick flexdoor or 2U door

巷道堆垛类停车设备
STACKER CAR PARKING SYSTEM

工作原理 Operating Principle

本设备通过巷道堆垛机或桥式起重机的水平和垂直移动来寻找存取车位，并用巷道堆垛机或桥式起重机上自带的横移机构来存取停放车辆。存取车过程见示意图。

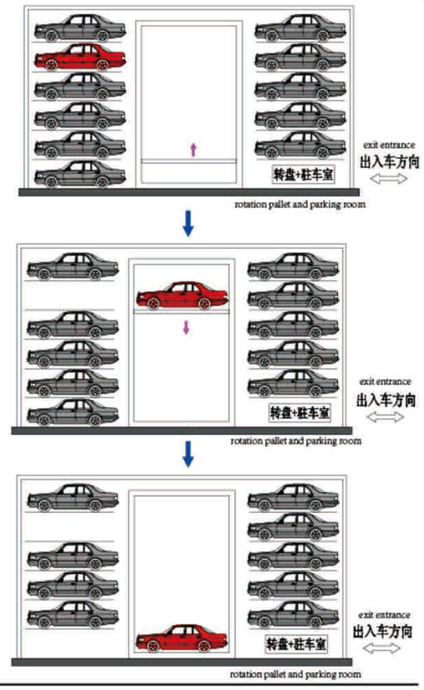
This equipment seek parking spaces by the vertically and horizontally moving of the stacker or bridge crane and park/unpark cars by the sliding equipment on the stacker or bridge crane.The park/unpark process can be seen in below diagrams.

示意图说明

图中红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：
1.巷道堆垛机升至红色车辆所在层；
2.用巷道堆垛机上自带的横移机构将红色车辆搬运到堆垛机上；
3.巷道堆垛机载着红色车辆下降，降到地面；
4.巷道堆垛机上自带的横移机构将车辆搬运至驻车室，通过转盘旋转，调转车头，保证车头朝外，完成取车。

Parking Diagram

The car in red color is to be unparked.The equipment need to finish follow actions to unpark the car.
1.The stacker move up to the level which loaded the red car.
2.The sliding equipment on the stacker conveys the red car to stacker.
3.The stacker which loaded the red car shift down to ground.
4.The sliding equipment on the stacker conveys the red car to parking room and the rotation pallet rotate to turn the car, to ensure the front of car is outward, then the red car finish unparking.



产品特点

1、无需坡道，节省占地，容车密度大，可以最大化提高土地利用率；
2、全自动化停车设备，全封闭建造，存(取)车速度快；
3、最适宜建于巷道长度不太长，但层数较多的大型车库；
4、设有安全保护装置，使用安全可靠，避免各种意外发生；
5、光电安全检测，控制车辆规格及停车数量；
6、一般不需要强制通风，无大面积照明，节约能量；

Features

1.There's no need of ramp, so that can save land area and the parking capacity density is big to take full use of space.
2.Park/unpark automatically and easily,can park/unpark by a button press.
3.The most suitable building place is the large garage with short laneway but multi stories.
4.Equipped with safety protection device, ensure safety and reliable to avoid the happen of various accidents.
5.Adopt photoelectric safety inspection to control the specification and quantity of parking cars.
6.Generally do not need forced ventilation and there's no large area lighting,all saving the energy.

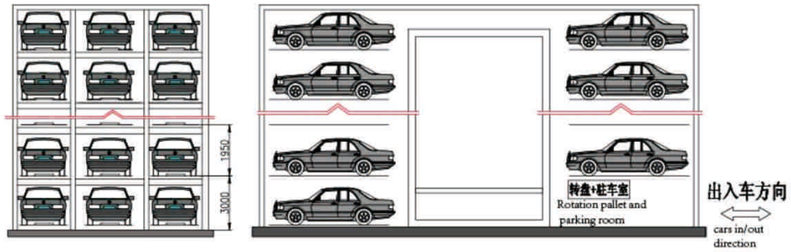
适用场合

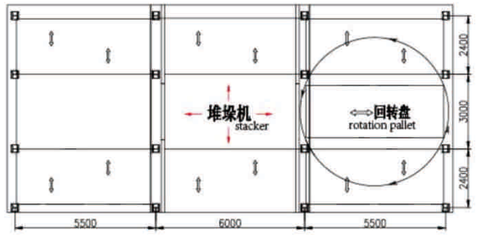
既适用于地上，亦适用于地下，规模可大可小，尤其适宜巷道长度短，层数多的大型车库。

Applicable occasion

This equipment can be applied for both abrove ground or under ground, especially suitable for the large garage with short laneway but multi stories.

产品基本参数 Specifications





容车规格 Suitable Parking Cars	车辆尺寸 car size	长×宽×高 length×width×height
	(mm)	≤5000×1850×1550
	车重 car weight (kg)	≤2000
高 度 Height	层高 Level Hegnt(mm)	1950mm
电机功率 Motor power	升降 Lift Motor	15~30Kw
	行走 Traveling Motor	7.5Kw
	横移 Sliding Motor	4Kw
额定速度 Rated speed	升降速度 Lift Speed	15~40m/min
	行走速度 traveling speed	15~90m/min
	横移速度 Sliding Speed	20~30m/min
驱动方式 Drive mode		钢丝绳提升 Motor and Steel Rope
动力电源 Power		3相5线制 380V，50HZ 3 Phase 5 Wire 380V 50HZ
控制方式 Control mode		按钮、IC卡、触摸屏 Button,IC Card and Remote Control System

垂直升降类停车设备——塔库

VERTICAL LIFTING PARKING SYSTEM --TOWER PARKING

工作原理 Operating Principle

本设备用升降主机（轿箱）将车辆或载车板升降到指定层，然后用安装在升降主机（轿箱）上的横移机构将车辆或载车板送入存车位；或是相反，通过横移机构将指定存车位上的车辆或载车板送入提升机构，升降主机（轿箱）降到车辆出入口处，旋转台通过旋转将车辆掉头，以保证车头朝外，然后自动打开车库门，驾驶员进入车库将车辆开走。存取车过程见示意图。

This equipment adopt lift engine(car platform sill)to lift the car or car pallet to the specified level, then use the sliding mechanism that installed on the lift engine (car platform sill) convey the car or car pallet to parking space; Or, on the other hand, the sliding mechanism convey the specified car or car pallet to the elevating channel, the lift engine(car platform sill) descend to the entry level, the rotation platform rotate to make sure the forward of the car is outside, then the driver come into the garage to drive the car away. The park/unpark process can be seen in below diagram.

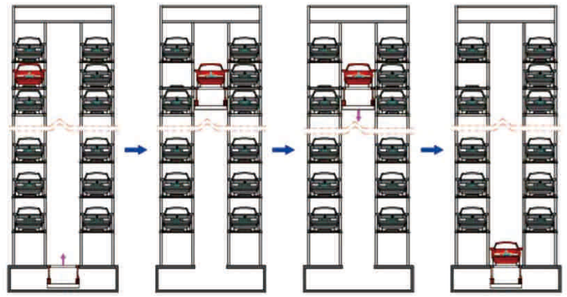
示意图说明

图中红色车辆要取车，设备需要完成以下动作来实现该车辆的取车：

1.升降机先升到该车所在层，然后通过安装在升降机上的横移机构将该车移入升降机；

2.升降机下降，降到车辆出入口处；

3.旋转台旋转，将车辆掉头，保证车头朝外，完成取车。



Parking Diagram

The car in red color is to be unparked. The equipment need to finish follow actions to unpark the car.

1. The lift engine lift to the level of the unparked car, move the car into the lift platform sill by the sliding mechanism that installed on lift engine.
2. The lift engine descend to the entry level.
3. The rotation platform rotate to make sure the forward of the car is outside, then the car finish unparking.

产品特点

1、一般以二辆车为一个层面，在所有立体车库类型中其平面和空间利用率最高。

2、速度快、噪音小、低振动，符合城市环保要求；

3、智能化控制，安全保障完善，设有出入库声光引导，车辆超长监测；灵敏可靠的限速保护和多重机械互锁，确保车辆及人员安全；

4、车库可单独设置，也可设在建筑物内部，可数套并排设置；

5、框架结构可采用混凝土或钢结构，使用多样化，给用户极大方便。

6、车库具备自动旋转掉头的功能，可以保证车辆前进入库，前进出库，方便驾驶员进出车库;等独特优点。

7、安全装置齐全可靠，相对于升降横移类车库而言，既增加了全方位检测车辆长、宽、高的功能，还可以检测车库内是否有人，从工艺角度杜绝了设备可能存在的安全隐患；

8、操作简单，目前使用的都是友好的人机界面如触摸屏。而且，所以的车库故障都会在人机界面上以中文显示，便于维护；

9、PLC电脑控制，变频调速，方便快捷。

Features

1. This equipment usually make two cars as a level, the plane and space utilization is highest in all type parking systems.
2. This equipment has the advantages of high park/unpark efficient, low noise and low vibration, meet the requirement of urban environment protection.
3. Intelligent control and perfect security, there's light guide when cars in/out the garage, car overlength monitor , speed limit protection and multiple mechanical interlock all guarantee the safety of car and personnel.
4. Garage can be designed separately, even in interior of building. And can be arranged abreast with several sets.
5. Frame structure can be adopted concrete or steel structure, with different choise and great convenience.
6. Garage have the function of automatic rotary to turn around, can ensure the car goes in/out by front, which is convenient driving in and out of the garage.
7. Complete and reliable safety device, added the function of inspect the car length, width and height, and can check-out if there's person in car, eradicate the potential risk of the equipment from the technology aspect.
8. The operation is simple and we adopt friendly man-machine interface, such as touch screen. And all the stoppages of the equipment will appear on the screen which is convenient for maintainence.
9. PLC computer control and frequency control of motor speed, very convenient and efficient.

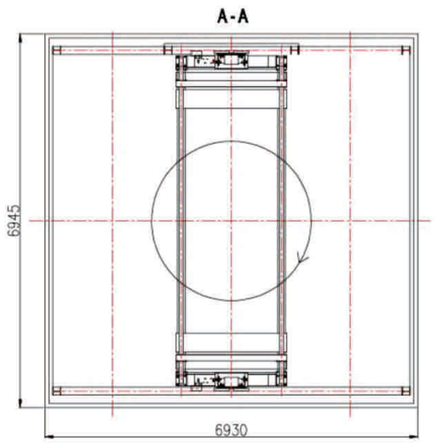
适用场合

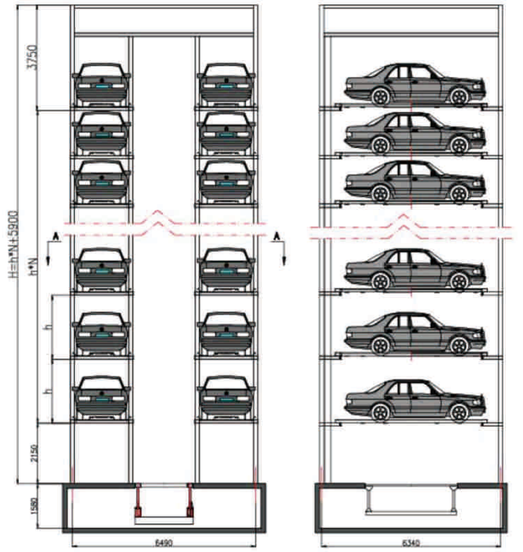
最适宜建筑在高度繁华的城市中心区域以及车辆集中停放的集聚点，如：商业中心、办公楼、车站、医院等。

Applicable occasion

Parking tower is special suitable for the central zone of metropolis and gathering point of car parking, such as business center, office building, station and hospital.

产品基本参数 Specifications





	型式 model	大型车D large car	特大型车T over size car
适停车辆 Suitable parking cars	车辆尺寸 car size (mm)	长×宽×高 length × width × height ≤5000 × 1850 × 1550	长×宽×高 length × width × height ≤5300 × 1900 × 1550
		以奥迪A6为例 e.g.:Audi A6	以奔驰560为例 e.g.:Benz560
	车重 car weight	≤1700Kg	≤2350Kg
需求空间 Requirement space	a(mm)	2270	2270
	b(mm)	≤25	≤25
	c(mm)	h*N+5900	h*N+5900
	d(mm)	4420	4420
	e(mm)	6490	6590
电机功率 Motor power	N(mm)	37Kw	37Kw
	净高net height(mm)	0.75Kw	0.75Kw
	提升电机 lift motor	2.2Kw	2.2Kw
额定速度 Rated speed	横移电机 sliding motor	60~90m/min	60~90m/min
	提升速度 lift speed	25m/min	25m/min
	横移速度 sliding speed	3r/min	3r/min
驱动方式 Drive mode		强制驱动、曳引驱动 Mandatory Drive, Traction Drive	强制驱动、曳引驱动 Mandatory Drive, Traction Drive
动力电源 Power		3相5线制 380V，50HZ 3 Phase 5 Wire 380V 50HZ	3相5线制 380V，50HZ 3 Phase 5 Wire 380V 50HZ
控制方式 Control mode		按钮、IC卡、触摸屏 Button,IC Card and Touch Panel	按钮、IC卡、触摸屏 Button,IC Card and Touch Panel
表面处理 Surface treatment		喷漆、镀锌 Galvanized or Painting	喷漆、镀锌 Galvanized or Painting

底盖板举升机JSJ-MY101（4吨）

BASE PLATE DESIGN CAR LIFT JSJ-MY101(4 TONS)

简介 About

JSJ-MY101型双缸底盖板式液压举升机是茂源公司多年生产开发举升设备的基础上开发研制的产品。它具有性能稳定、升降平稳、噪音低等优点。选用液压动力单元和尼龙合金滚轮结构，并设有托臂防跌落装置，托臂回转角度锁定，托臂钢索强制同步装置。托盘较低适应性强，保养简单，操作方便，是汽车维修行业理想的举升设备。

The JSJ-MY101 dual-cylinder base plate design hydraulic car lift is the new developed product based on Maoyuan's several years experience in producing and developing lifting equipment.It has the advantages of performance stably, rise and drop smoothly and with low noise. Using hydraulic power unit, nylon alloy roller structure and the arm fall prevention device,the turning angle of the bracket arm is locked and there's arm wire general locking device.The tray is low making the equipment well-adapted, easy for maintenance and operation.It's the ideal lifting equipment in automobile maintenance industry.

产品特点

1. 先进的工艺组装线，产品质量有保障。
2. 采用二节支臂，高强度设计，能承受4吨的安全举升能力。
3. 采用聚氨酯橡胶托掌更有利保护车体。
4. 增高器设置被放置立柱两侧，可以快速应用提高工作效率。
5. 采用高耐磨尼龙板，延长滑块的寿命。
6. 立柱底部多重加强筋使得设备能够抵抗更多的不平衡负载。
7. 全新的立柱柱体设计，提高了强度。
8. 支臂锁止装置应用，有效的保证了支臂在使用过程中不会随意转动。螺栓销式支臂锁止装置，有效锁定支臂延伸臂。

Features

1.The advanced technology of assembly line guaranteed the products quality.
2.Adopt two austerity arm and high strength design, making the safe lifting capacity to be 4 tons.
3.Adopt polyurethane rubber hand to protect the car body.
4.The heighten device installed on both sides of the post, can use car lift quickly to improve the work efficiency.
5.Adopt high wear-resistant nylon plate, prolong the life of the slider.
6.The multiple stiffener at the bottom of the post making the equipment can resist more unbalanced load.
7.The new design of the post cylinder enhance the strength of lifting.
8.The arm locking device effectively guarantees the arms will not turn when using. Bolt pin type arm locking device, effectively locking arm extension arm.

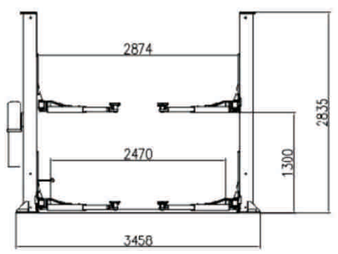
选购件

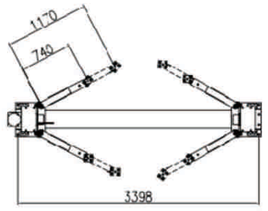
1. CE认证SWITCH BOX。 2. 4X90mm增高器

Optional Accessories

1. CE certaficated switch box 2.4x90mm heighten device

产品基本参数 Specifications





额定举升重量	举升高度	上升时间	下降时间	工作电压
Rated lifting capacity	Lifting Height	Rising time	Dropping time	Operating voltage
4吨 / 4 tons	1300mm	<50s	>20s	380V
电机功率	外宽	高度	立柱间宽度	整机重量
Motor power	Through width	Height	Width between posts	Overall weight
2.2KW	3458mm	2840mm	2874mm	620kg

龙门式举升机JSJ-MY102（4吨）

GANTRY TYPE CAR LIFT JSJ-MY102(4 TONS)

简介 About

JSJ-MY102型双缸龙门式液压举升机是茂源公司多年生产开发举升设备的基础上开发研制的产品。它具有性能稳定、升降平稳、噪音低等优点。选用液压动力单元和尼龙合金滚轮结构，并设有托臂防跌落装置，托臂回转角度锁定，托臂钢索强制同步装置。托盘较低适应性强，保养简单，操作方便，是汽车维修行业理想的举升设备。

The JSJ-MY102 dual-cylinder gantry type hydraulic car lift is the new developed product based on Maoyuan's several years experience in producing and developing lifting equipment.It has the advantages of performance stably, rise and drop smoothly and with low noise. Using hydraulic power unit, nylon alloy roller structure and the arm fall prevention device,the turning angle of the bracket arm is locked and there's arm wire general locking device.The tray is low making the equipment well-adapted, easy for maintenance and operation.It's the ideal lifting equipment in automobile maintenance industry.

产品特点

1. 先进的工艺组装线，产品质量有保障。
2. 采用二节支臂，高强度设计，能承受4吨的安全举升能力。
3. 采用聚氨酯橡胶托掌更有利保护车体。
4. 增高器设置被放置立柱两侧，可以快速应用提高工作效率。
5. 采用高耐磨尼龙板，延长滑块的寿命。
6. 立柱底部多重加强筋使得设备能够抵抗更多的不平衡负载。
7. 全新的立柱柱体设计，提高了强度。
8. 支臂锁止装置应用，有效的保证了支臂在使用过程中不会随意转动。螺栓销式支臂锁止装置，有效锁定支臂延伸臂。

Features

1.The advanced technology of assembly line guaranteed the products quality.
2.Adopt two austerity arm and high strength design, making the safe lifting capacity to be 4 tons.
3.Adopt polyurethane rubber hand to protect the car body.
4.The heighten device installed on both sides of the post, can use car lift quickly to improve the work efficiency.
5.Adopt high wear-resistant nylon plate, prolong the life of the slider.
6.The multiple stiffener at the bottom of the post making the equipment can resist more unbalanced load.
7.The new design of the post cylinder enhance the strength of lifting.
8.The arm locking device effectively guarantees the arms will not turn when using.Bolt pin type arm locking device, effectively locking arm extension arm.

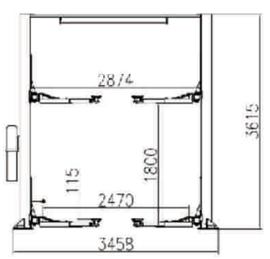
选购件

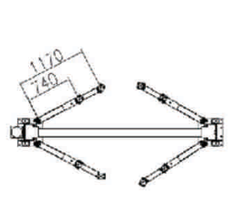
1. CE认证SWITCH BOX。 2. 4X90mm增高器

Optional Accessories

1. CE certaficated switch box 2.4x90mm heighten device

产品基本参数 Specifications





额定举升重量	举升高度	上升时间	下降时间	工作电压
Rated lifting capacity	Lifting Height	Rising time	Dropping time	Operating voltage
4吨 / 4 tons	1800mm	<50s	>20s	380V
电机功率	外宽	高度	立柱间宽度	整机重量
Motor power	Through width	Height	Width between posts	Overall weight
2.2KW	3458mm	3620mm	2874mm	700kg

ASIA FUJI PARKING

加工实力
MAIN PRODUCTION EQUIPMENTS

QUALITY DECIDES THE FUTURE / 品质决定未来

ASIA FUJI PARKING

公司项目展示
PROJECTS DISPLAY