



Parking SYSTEM



Slide elevator parking system



ADVANTAGE AND APPLICATION

The equipment can not only reduce lane area, increase parking density and utilization ratio but also benefit safety, liability, automatic ratio and parking efficiency. It is mainly divided into single-layer shuttling, single layer (or multi-layer) shuttling, suitable for parking system on the ground, underground and combining parking system. It is mainly applied to large garage or parking lot.

EQUIPMENT FORMATION

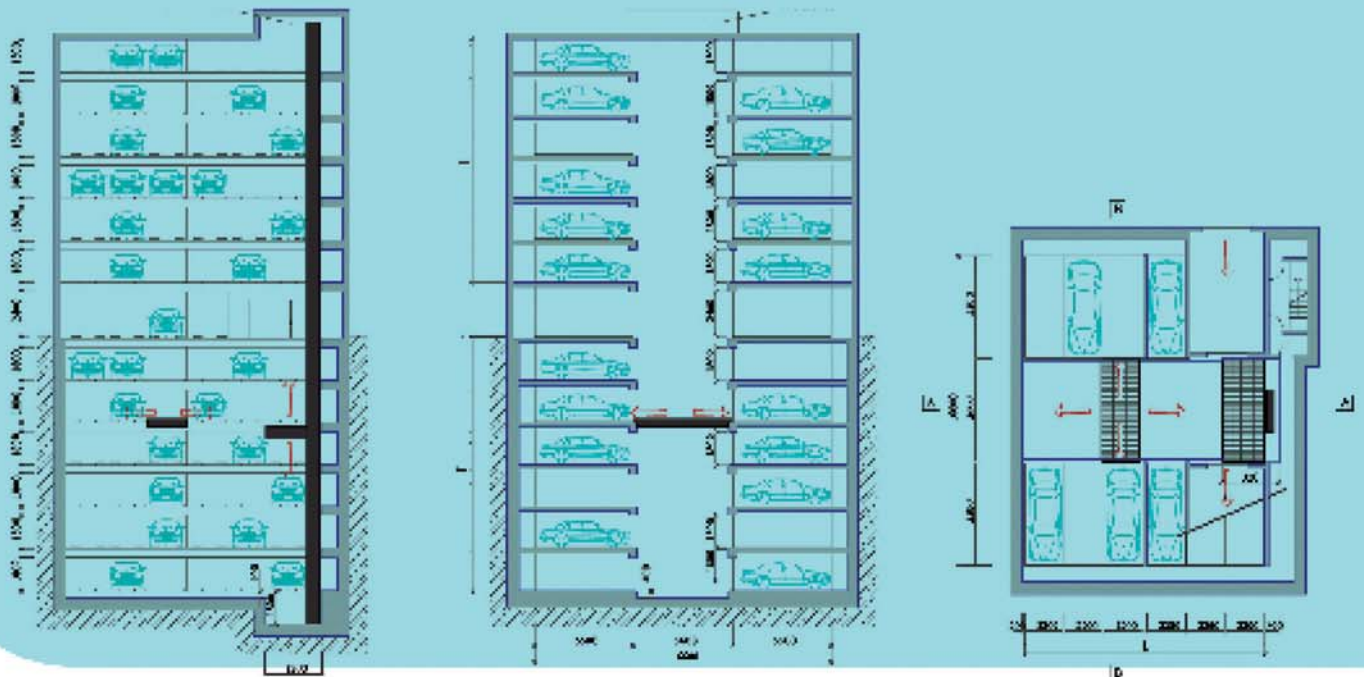
It is consist of hoist, horizontal platform, comb carrier, storage frame, detector and intelligent inverter controlling system. You can design rotary system according to site conditions to make sure the vehicle can be automatically turned around.

WORKING PRINCIPLE

The carrier is always reciprocating on a surface, the function of storage and conveying is on the carrier. The carrier moves to different surfaces with the help of hoist and horizontal rotary platform.

EQUIPMENT TYPE

According to the direction of carrying we classified it into two main types: Vertical and Horizontal. It can be flexibly combined and designed according to site conditions.



TECHNICAL PARAMETERS

| Type | PPY | |
|----------------|--------------------------|--|
| Parking Spaces | | Design in accordance with the requirements |
| Size | 5300 x 1900 x 1550 (mm) | Design in accordance with the requirements |
| Weight | 2500 kg | 3500 kg (MAX) |
| Exchange | Silopark/compark/silomat | |
| Lifting speed | Ma x 2.5 m/s | |
| sliding | 0.8 - 1.5 m/s | Design in accordance with the requirements |
| rotation speed | 2 rpm | Design in accordance with the requirements |
| Power supply | AC380v3φ50Hz | |



Trans elevator parking system



ADVANTAGE AND APPLICATION

This system is safe, reliable with high degree of automation, advanced technology, high efficiency of parking, high utilization ratio of space and wide adaptability. It can be built outdoors (generally adopts totally enclosed type), indoor, on the ground or underground according to the different site requirement. At the same time, the equipment requires the separate parking space, without interference of other equipments. One system can take care of vehicles between 50-100. According to the different specific area of garage, usually five layers is better.

EQUIPMENT FORMATION

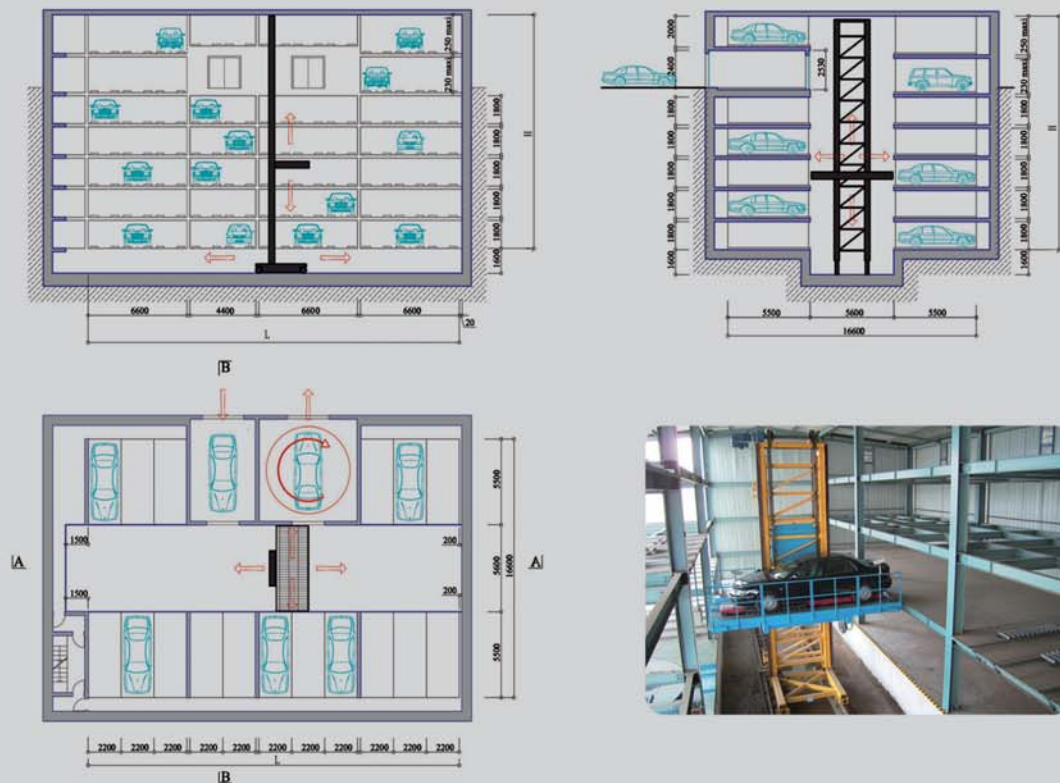
It is consist of hoist, horizontal platform, comb carrier, storage frame, detector and intelligent inverter controlling system. You can design rotary system according to site conditions to make sure the vehicle can be automatically turned around.

WORKING PRINCIPLE

This kind of the equipment uses the stacking machine to parking cars by horizontal and vertical motion of carrier,

EQUIPMENT TYPE

According to the direction of carrying we classified it into two main types: Vertical and Horizontal. It can be flexibly combined and designed according to site conditions.



TECHNICAL PARAMETERS

| Type | PXD | |
|----------------|--------------------------|--|
| Parking Spaces | — | Design in accordance with the requirements |
| Size | 5300x1900x1550 (mm) | Design in accordance with the requirements |
| Weight | 2200kg | 3500 kg (MAX) |
| Exchange | Silopark/compark/silomat | |
| Lifting speed | 1~2m/s | Design in accordance with the requirements |
| sliding | 0.8-1m/s | |
| rotation speed | 2rpm | Design in accordance with the requirements |
| Power supply | AC380v3Φ50Hz | |



Standard Vertical lifting elevator parking system

ADVANTAGE AND APPLICATION

The equipment generally has two parking spaces for each level, it can be up to 25 levels, and can store 50 vehicles (50 meters height) or store 40 vehicles (36 meters height). It has the lowest area requirement and highest utilization ratio of space with low noise and vibration. The equipment is suitable for land shortage project, new independent solid garage and old city transformation, for example: high-rise office buildings, residential buildings, hospitals, commercial buildings and etc.

WORKING PRINCIPLE

The lifting mechanism lifts vehicle or car board to a specified layer, then the sliding mechanism on the lifting mechanism will put the vehicle or car board into the specified space. Or the sliding mechanism put the vehicle or car board into the lifting mechanism, then the lifting mechanism will go down to the entrance, the door will open, the driver can drive the vehicle out.

EQUIPMENT TYPE

According to the type of carrying platform we classified it into two main types: Standard lifting and Lift-slide. It can be flexibly combined and designed according to site conditions.



TECHNICAL PARAMETERS

| | | | | |
|-----------------------|-------------------|-----------------|---------|---------|
| | | D | T | K |
| | Length (mm) | 5 , 000 | 5 , 300 | 5 , 000 |
| | Width (mm) | 1 , 850 | 1 , 900 | 1 , 850 |
| | Height (mm) | 1 , 550 | 1 , 550 | 2 , 050 |
| | Weight (kg) (MAX) | 1 , 700 | 2 , 350 | 1 , 850 |
| Lifting Speed (m/min) | | 60~120 | | |
| Equipment Size | (mm) | | 7 , 000 | |
| | (mm) | | 6 , 400 | |
| Entrances Size | (mm) | | 2 , 550 | |
| | (mm) | | 2 , 200 | |
| Entrances Style | | Bisect | | |
| Power Supply | | AC380V50Hzkw | | |
| Fire Protection | | CO ₂ | | |



Vertical lifting parking system sliding type



ADVANTAGE AND APPLICATION

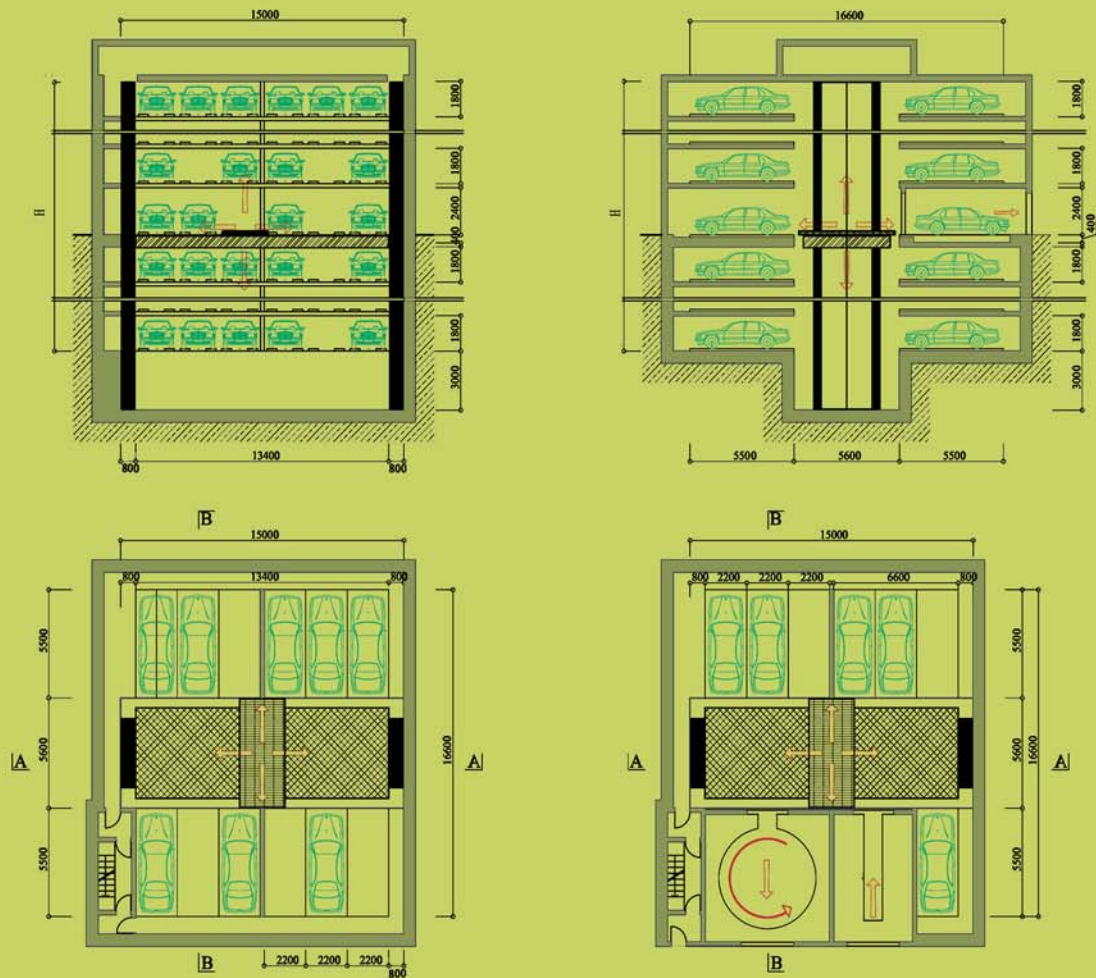
The equipment generally has more parking spaces for each level, it can be up to 25 levels. It has the lowest area requirement and highest utilization ratio of space with low noise and vibration. The equipment is suitable for land shortage project, new independent solid garage and old city transformation, for example: high-rise office buildings, residential buildings, hospitals, commercial buildings and etc.

WORKING PRINCIPLE

The lifting mechanism lifts vehicle or car board to a specified layer, then the sliding mechanism on the lifting mechanism will put the vehicle or car board into the specified space. Or the sliding mechanism put the vehicle or car board into the lifting mechanism, then the lifting mechanism will go down to the entrance, the door will open, the driver can drive the vehicle out.

EQUIPMENT TYPE

According to the type of carrying platform we classified it into two main types: Standard lifting and Lift-slide. It can be flexibly combined and designed according to site conditions.



TECHNICAL PARAMETERS

| Type | PCS | |
|----------------|--------------------------|--|
| Parking spaces | — — | Design in accordance with the requirements |
| Size | 5300x1900x1550 (mm) | Design in accordance with the requirements |
| Weight | 2500kg | 3500 kg (MAX) |
| Exchange | Silopark/compark/silomat | |
| Lifting speed | Max2.5m/s | |
| Sliding speed | 0.8-1.5m/s | Design in accordance with the requirements |
| rotation speed | 2rpm | Design in accordance with the requirements |
| Power Supply | AC380v3Φ50Hz | |



Pit lift-sliding parking equipment



ADVANTAGE AND APPLICATION

The system mainly uses chains to lift, often has 3 layers: 1 layer underground and 2 layers on the ground, the max layers has 8 layers (3 layers underground, 5 layers on the ground). The entrance is on the first floor, utilizing big span design, well suitable for building under green square, residential building and office building. It is one equipment which can fully utilize the space underground.

LAYOUT

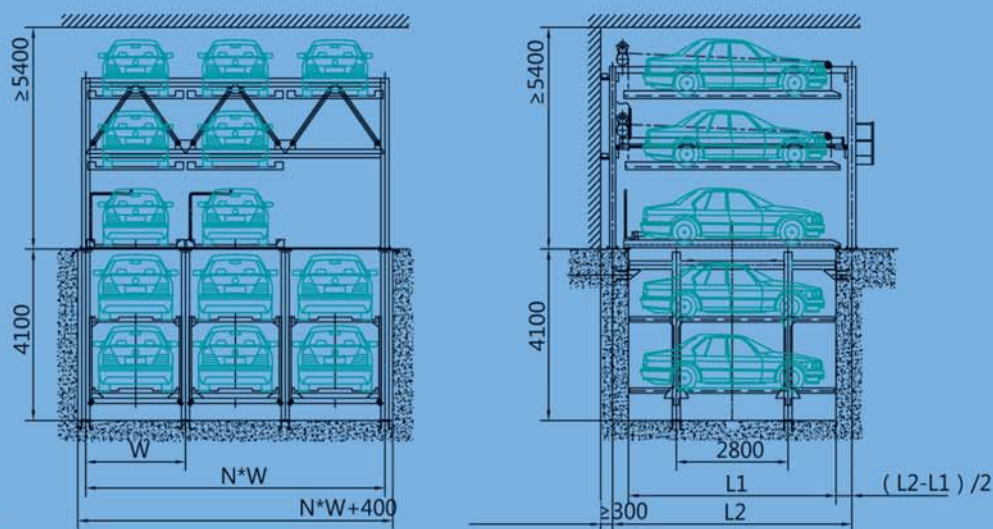
Each group of controlling of this parking system is designed into 3-car to 10-car, the best is 8-car, and it depends on specific site conditions.

WORKING PRINCIPLE

The equipment uses chain to lift and utilizing big span design in front or back side, each parking space with a car board, which through lifting up and down and sliding to the ground, the driver goes into the garage, parks or takes a car, finishes the whole procedure.

EQUIPMENT TYPE

4-point safety device on the ground and underground; independent car-resistant device, over-length, over-range and over-time detection, crossing section protection, guiding and balancing equipments .



TECHNICAL PARAMETERS

| 1 | Name | | Instuction | | |
|---|----------------|--------|-------------------------------------|---------------|-------------|
| | Layer | | Upper layer | Sliding layer | Pit layer |
| 2 | Size | Length | ≤ 5,000(mm) | ≤ 5,000(mm) | ≤ 5,000(mm) |
| | | Width | ≤ 1,850(mm) | ≤ 1,900(mm) | ≤ 1,850(mm) |
| | | Height | ≤ 1,550(mm) | ≤ 1,550(mm) | ≤ 1,550(mm) |
| 3 | Weight | | ≤ 1,700(kg) | ≤ 2,000(kg) | ≤ 1,700(kg) |
| 4 | Lifting | Power | 2.2~3.7 (kw) | | |
| | | Speed | 2.5-4 (m/min) | | |
| 5 | Sliding | Power | 0.2(kw) | | |
| | | Speed | 8(m/min) | | |
| 6 | Driven Mode | | electric machine + cycle chain | | |
| 7 | Operation Mode | | Button, Automatic, Manual | | |
| 8 | Power Supply | | AC380V/220V50Hz 3ϕ 380V/220V50Hz | | |



Multi-layer lift-sliding mechanical type



ADVANTAGE AND APPLICATION

The equipment utilizes steel wire to lift, it can be designed into 3 layers to 6 layers. It has better utilization ratio of the space than the other common parking systems and more suitable for outdoors. Big span design and PLC controlling are good for environmental protection and energy-saving.

LAYOUT

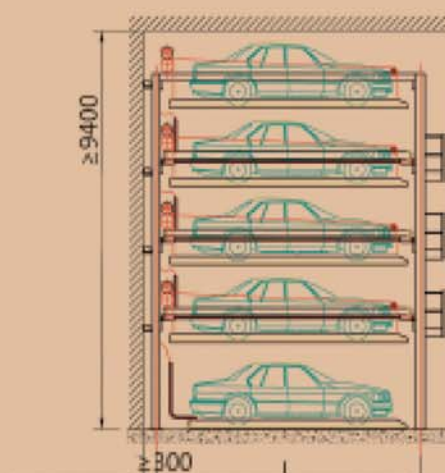
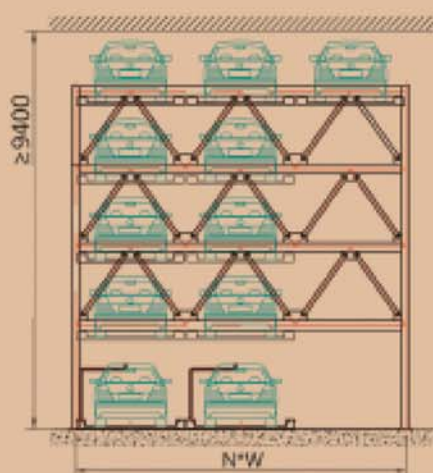
Each group of controlling of this parking system is designed into 3-car to 6-car, just depending on specific site conditions.

WORKING PRINCIPLE

The entrance of this type is on the ground floor, the car boards on the top layer can only be lifted, the car boards on the bottom layer can only be slid, and car boards on the middle layers can be both lifted and slid. The middle layers had empty spaces, so that the car boards could be slid, and let the vehicle above down to the ground floor to be picked. The vehicles on the bottom layer can be driven out directly.

SAFETY PERFORMANCE

4-point safety device on the ground and underground; independent car-resistant device, over-length, over-range and over-time detection, crossing section protection, with extra wire detection device.



TECHNICAL PARAMETERS

| Order | Name | | Instruction | | |
|-------|----------------|--------|--|--------------|--------------|
| 1 | Layer | | Upper layer | Middle layer | Ground layer |
| 2 | Size | Length | ≤ 5,000(mm) | ≤ 5,000(mm) | ≤ 5,200(mm) |
| | | Width | ≤ 1,850(mm) | ≤ 1,850(mm) | ≤ 1,900(mm) |
| | | Height | ≤ 1,550(mm) | ≤ 1,550(mm) | ≤ 2,050(mm) |
| 3 | Weight | | ≤ 1,700(kg) | ≤ 1,700(kg) | ≤ 2,000(kg) |
| 4 | Lifting | Power | 2.2~3.7 (kw) | | |
| | | Speed | 5.5~6(m/min) | | |
| 5 | Sliding | Power | 0.2(kw) | | |
| | | Speed | 8(m/min) | | |
| 6 | Driven Mode | | electric machine + cycle chain (sliding) + steel wire rope | | |
| 7 | Operation Mode | | Button, Automatic, Manual | | |
| 8 | Power Supply | | AC380V/220V50Hz 3 φ 380V/220V50Hz | | |



Double-layer lift-sliding mechanical type



ADVANTAGE AND APPLICATION

This type of parking equipment has a lot of combinations much adaptable for different sites and with low civil requirements. You can combine freely according to different space and terrain. Its maintenance is simple and low-cost. You can fix it in the open air, basement, on the ground, and underground.

EQUIPMENT FORMATION

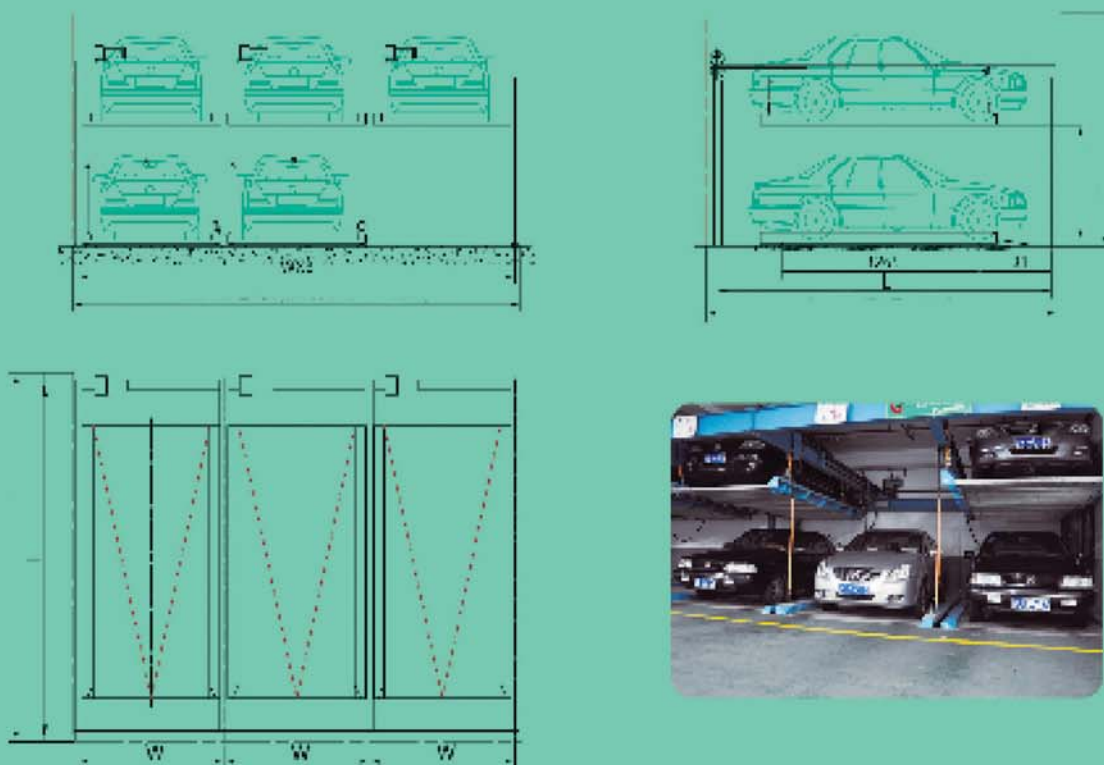
Each controlling group of this parking system can be designed from 3-car to 10-car and can also be arranged into tandem columns. The best option is within 17 cars per group, and its up to the specific site conditions.

WORKING PRINCIPLE

The equipment uses chain or wire to lift and utilizing big span design in front or back side, each parking space with a car board, which through lifting up and down and sliding to the ground, the driver goes into the garage, parks or takes a car, finishes the whole procedure.

EQUIPMENT TYPE

4-point safety device on the ground and underground; independent car-resistant device, over-length, over-range and over-time detection secure the safety of cars.



TECHNICAL PARAMETERS

| 1 | Name | | Instruction | |
|---|----------------|--------|-------------------------------------|--------------|
| | Layer | | Upper layer | Ground layer |
| 2 | Size | Length | ≤ 5,000(mm) | ≤ 5,200(mm) |
| | | Width | ≤ 1,850(mm) | ≤ 1,900(mm) |
| | | Height | ≤ 1,550(mm) | ≤ 1,550(mm) |
| 3 | Weight | | ≤ 1,700(kg) | ≤ 2,000(kg) |
| 4 | Lifting | Power | 2.2 (kw) | |
| | | Speed | 4 (m/min) | |
| 5 | Sliding | Power | 0.2(kw) | |
| | | Speed | 8 (m/min) | |
| 6 | Driven Mode | | Motor+Chain | |
| 7 | Operation Mode | | Button, Automatic, Manual | |
| 8 | Power Supply | | AC380V/220V50Hz 3φ 380V/220V50Hz | |



ADVANTAGE AND APPLICATION

This equipment can provide many different parking options according to specific terrain conditions. It can increase twice car parking spaces on the same area. This equipment is simple and reliable, hydraulic transmission system runs smoothly and quietly, saving much energy and good for environmental protection. It is suitable for hotels, private houses, enterprises, public institutions, basements, and etc.

LAYOUT

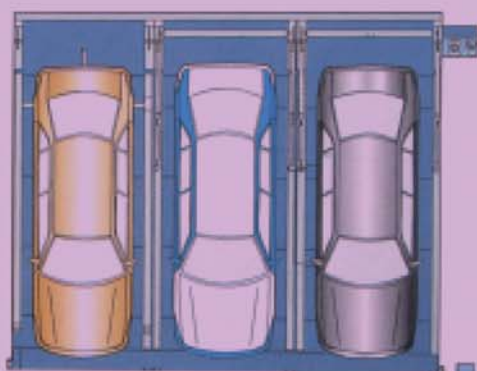
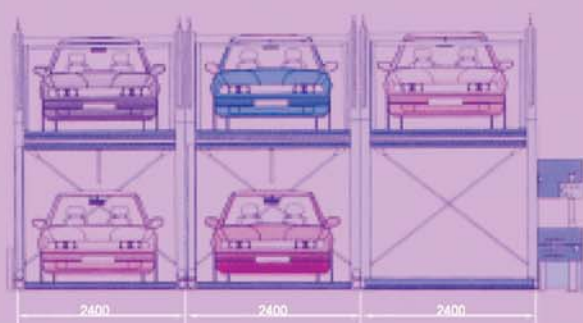
It is convenient to take apart and install. It can be reconstructed easily in another place without requirement for civil work.

EQUIPMENT TYPE

The equipment uses hydraulic system to lift, each parking space has a car board, through car boards going up, down and sliding to the ground, then the driver goes into the garage, parks or picks a car, finishes the whole procedure.

SAFETY PERFORMANCE

Utilizing hydraulic device, reliable mechanism, the user can operate manually. If it suddenly out of power during operation, you can use manual operation to keep it working and ensure the vehicle will not stop unsafely, and the safety will be guaranteed.



TECHNICAL PARAMETERS

| Order | Name | | Instruction | |
|-------|----------------|--------|---|--------------|
| 1 | Layer | | Upper layer | Ground layer |
| 2 | Size | Length | ≤ 5,000(mm) | ≤ 5,200(mm) |
| | | Width | ≤ 1,850(mm) | ≤ 1,850(mm) |
| | | Height | ≤ 1,550(mm) | ≤ 1,550(mm) |
| 3 | Weight | | ≤ 1,700(kg) | ≤ 2,000(kg) |
| 4 | Lifting | Power | 3 (kw) | |
| | | Speed | 2.5 (m/min) | |
| 5 | Sliding | Power | 0.2(kw) | |
| | | Speed | 8 (m/min) | |
| 6 | Driven Mode | | hydraulic, electric machine + cycle chain (sliding) | |
| 7 | Operation Mode | | Button, Automatic, Manual | |
| 8 | Power Supply | | AC380V/220V50Hz 3 φ 380V/220V50Hz | |

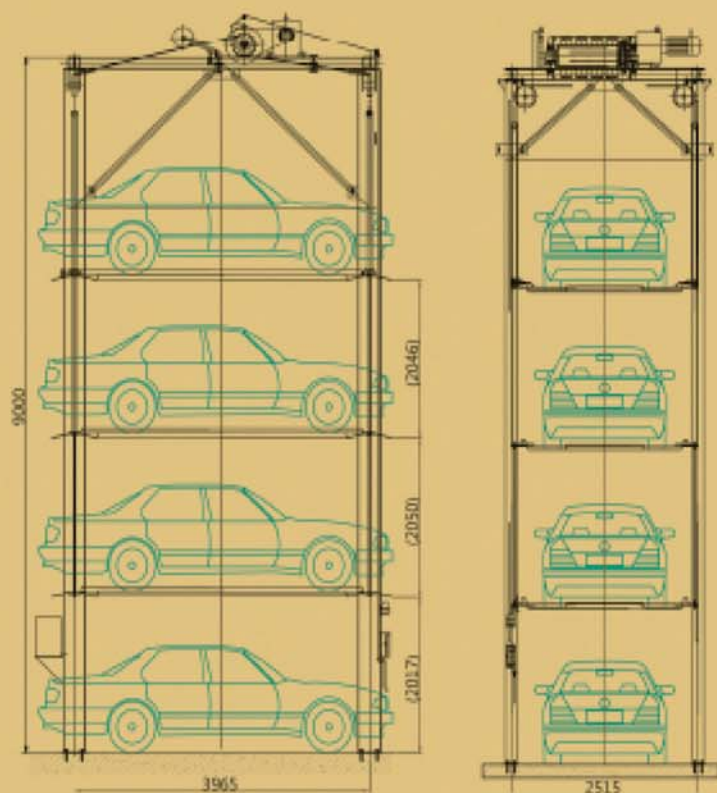
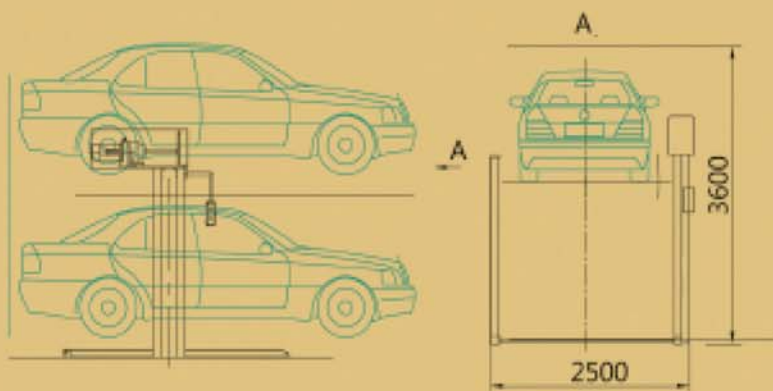


ADVANTAGE AND APPLICATION

The system is simple and compact structure, with PLC or button controlling, convenient and quick operation, it is fit for outdoors, basements and villas. The system is always in pit. So it doesn't block field vision and ventilation of the building.

EQUIPMENT TYPE

This type of parking equipment can be divided into 2-layer on the ground, 4-layer on the ground, according to specific structure or configuration relationship. It can be flexibly combined and designed according to site conditions.



TECHNICAL PARAMETERS

| Order | Name | | Instruction | |
|-------|----------------|--------|---|-------------------------|
| 1 | Layer | | Upper layer | Ground layer |
| 2 | Size | Length | $\leq 5,000(\text{mm})$ | 5,000(mm) |
| | | Width | $\leq 1,850(\text{mm})$ | $\leq 1,850(\text{mm})$ |
| | | Height | $\leq 1,550(\text{mm})$ | $\leq 1,550(\text{mm})$ |
| 3 | Weight | | 1,700(kg) | 2,350(kg) |
| 4 | Lifting | Power | 7.5kw | |
| | | Speed | 4m/min | |
| 5 | Driven Mode | | Motor + steel rope (4 layers), Motor + chain (2 layers) | |
| 6 | Operation Mode | | Button, Manual | |
| 7 | Power Supply | | AC380V/220V50Hz 3 ϕ 380V/220V50Hz | |









