

Operating principle: Carrier walking to transport vehicles at the same level. And the vertical movement is done by the lifter. Through the carrier and lifter work to transport vehicles freely.

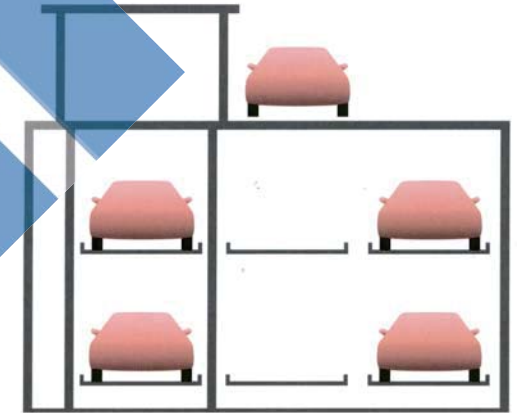
Save operations: the driver drive the car in front of the parking system, the parking system's door open. In the instruction of self-direction operation panel, the driver drive into the parking system, at the same time the detection device will measure cars length, width and height in order to determine whether the car suitable for the parking system or not. Then turn off the car, brake, get off the car, lock the door of car and leave the parking system. Parking system's autodoor will be closed. In the course of the autodoor close, space sensor will detect whether there are any person or animal in the parking system. When the above safety detection failed, the system will alarm and voice speaker system in central control management room will be effect and inform the administer and the driver to adjust the car or make person to leave. After the cage transport the car to the specified level, the intelligent carrier running vehicle to the designated vacancy, then the parking action is complete.

Retrieve vehicle operation: driver or parking system administer insert parking card into the control box panel, or input the pallet No. on the operation panel. The carrier will take out the specified car and transport it into lifting cage, then transport it to the entrance, and the autodoor open automatically, the driver enter in parking system and then drive the car out.

XIZI-IUK

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Parking Systems



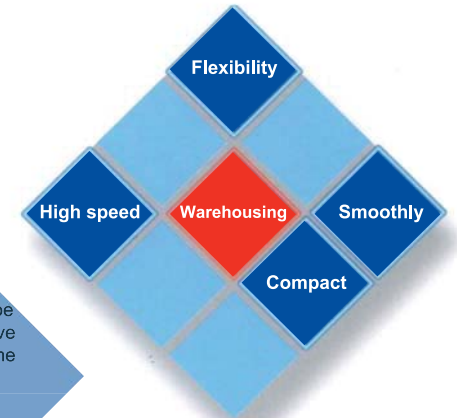
PLANE TRANSFER

PPY

WAREHOUSING PARKING SYSTEM

- RUNNING SPEED IS FAST
- RUNNING SMOOTHLY/ FLEXIBLE / INTELLIGENT
- HIGH EFFICIENCY OF LAND USE

High efficiency of storage capacity for vehicles, Suitable for airports, railway stations, business district and different areas of downtown



High efficiency

High efficiency of space use
Only need one third of self-service type's space

High speed

Traffic jam will not appear even if in the rush hour
Carrier's maximum speed is 300 meters per second
Lifter and carrier run at the same time

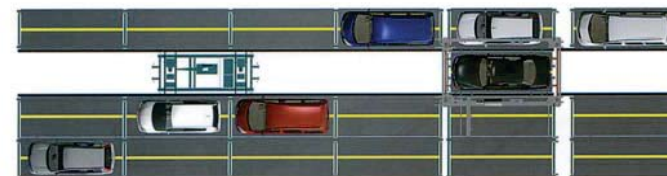
Convenient

Easy to use
Saves time and effort
Easy to retrieve vehicle

Flexibility

A variety of storage mode
A variety of type of transfer vehicles
Easy to park all kinds of vehicles

The Plane Transfer Mechanical Parking System is the type which moves the vehicle with carrier or crane, or park/retrieve the vehicle through the platform's transverse shift in the same layer, which is a common type of warehousing mechanical parking system. Plane Transfer Mechanical Parking System has the characteristic with high intelligence, high-precision control, high-speed operation, large-scale compact design, various types. It also has multiple safety protection devices, and a variety of auxiliary functions in order to provide perfect protection for the cars and ensure the reliable operation of whole running: simple menu type operation interface, interactive human-machine conversation, remot monitoring, and charge management system and so on, and can be matched according to the different requirements of users. While, this type mechanical parking system has various ways of system combination according to the objective conditions of the construction and environment, and can maximize meet customer's requirement. Thus, Plane Transfer Mechanical Parking System is widely adapted to the different areas of the airport, railway stations, the downtown business district, stadiums, office buildings and other areas of downtown, which is one of the most ideal mechanical parking systems.



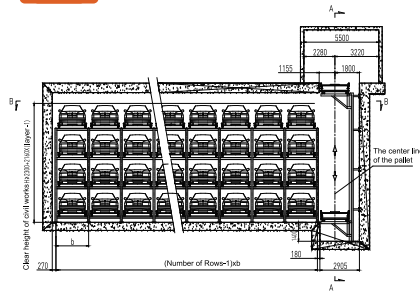
Economical Auto Parking-PPY Warehousing Parking System

PPY(Pallet)

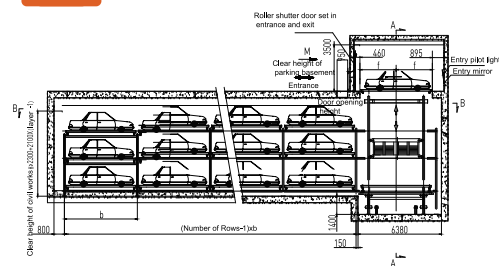
Economical Auto Parking-PPY Warehousing Parking System

PPY(Comb)

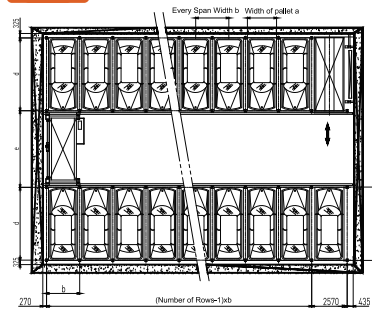
Elevation



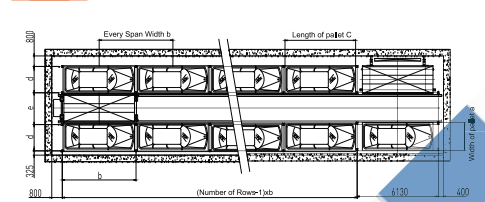
Elevation



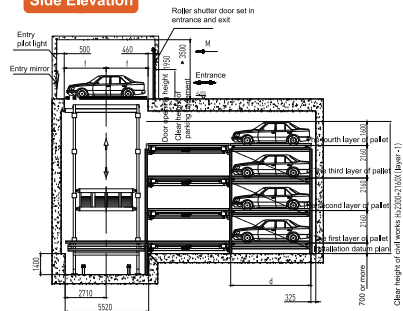
Plan View



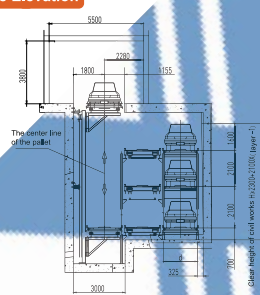
Plan View



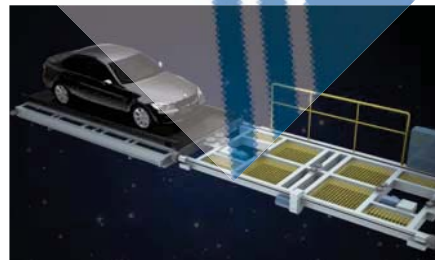
Side Elevation



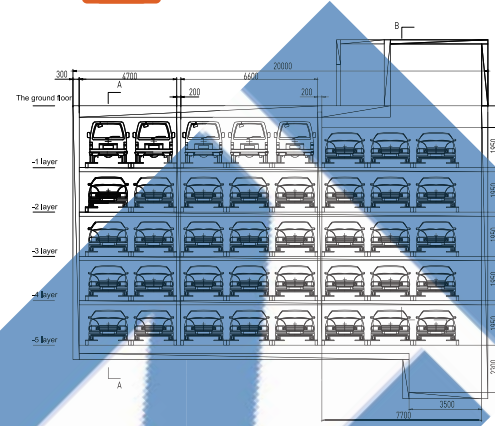
Side Elevation



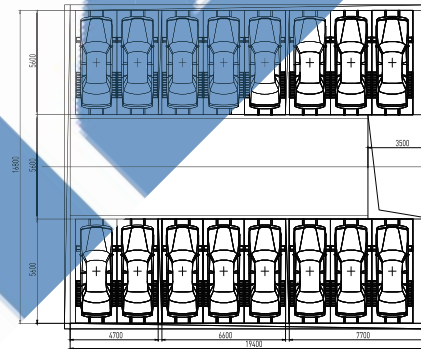
Effect diagram



Elevation



Plan View



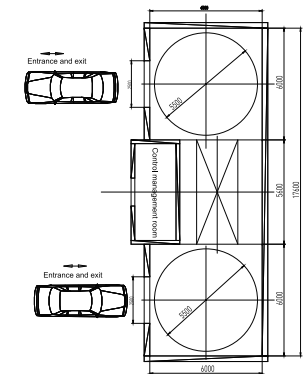
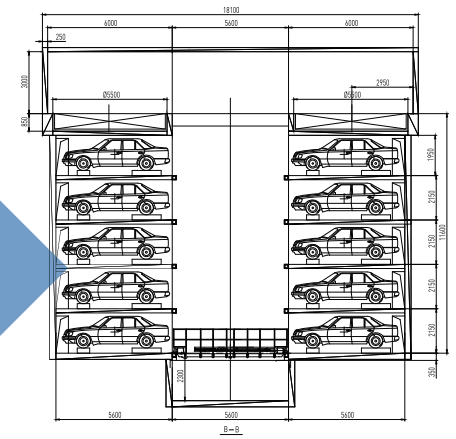
Data Sheet

| | |
|---------------------|--|
| Type | PPY (Comb type) |
| Park capacity | 80 |
| Parking description | 5300mmX1900mmX2050mm 2350Kg 5300mmX1900mmX1550mm 2350Kg |
| Parking layers | 5 layers |
| Lifting speed | Max 40m/min |
| Sliding speed | Max 40m/min |
| Lifting power | 15Kw |
| Sliding power | 3Kw |
| Turning speed | 1,8rpm |
| Parking form | Forward in, forward out |

Effect diagram



Side Elevation

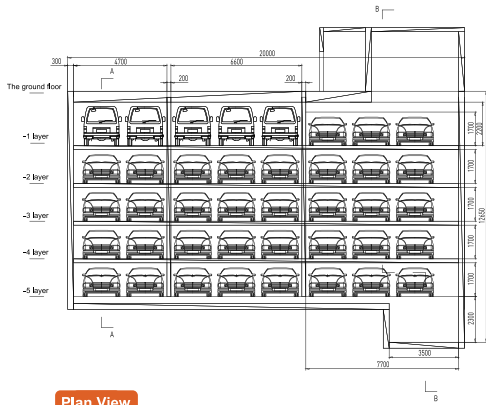


Data Sheet

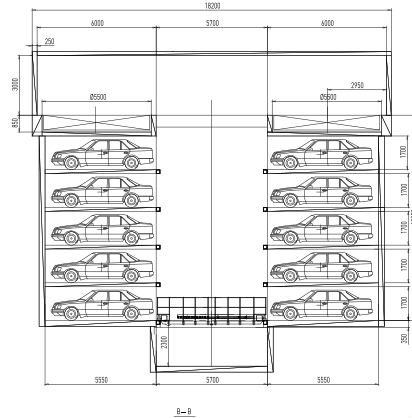
| PPY Type(Pallet) | | Z | D | T2 | T |
|------------------------|--|--------|----------|------|------|
| Minimum Car dimensions | Length (mm) | 4700 | 5000 | 5200 | 5300 |
| | Width (mm) | 1800 | 1850 | 1900 | 1950 |
| | Width side mirror (mm) | 1900 | 1950 | 2000 | 2050 |
| | Height (mm) | 1550 | 1550 | 1550 | 1550 |
| | Weight (KG) | 1500 | 1700 | 2000 | 2350 |
| Drive device | Lifter | Speed | 50 M/min | | |
| | Motor | Speed | 15 kw | | |
| | Transfer carrier | Speed | 90 M/min | | |
| | Motor | Speed | 3 kw | | |
| | Clamp device | Speed | 30 M/min | | |
| Motor | Speed | 1,1 kw | | | |
| Operation method | Button/Touch panel operation(Optional) | | | | |
| Power | AC 380V 50Hz | | | | |

Combined with the actual environment to set a suitable entrance/exit, easy for vehicle to park in and go out.

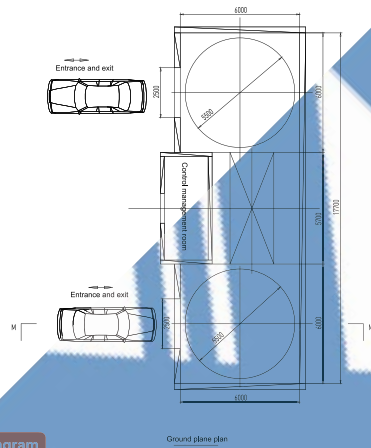
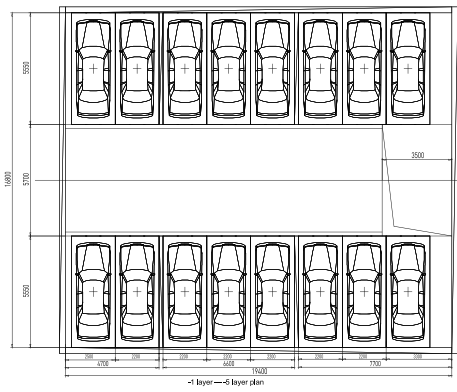
Elevation



Side Elevation



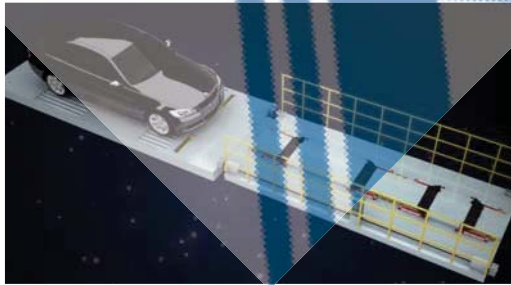
Plan View



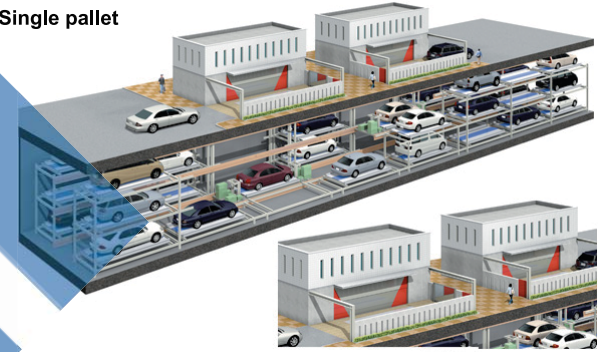
Data Sheet

| | |
|---------------------|--|
| Type | PPY(Mechanical hand) |
| Park capacity | 80 |
| Parking description | 5300mmX1900mmX2050mm 2200Kg 5300mmX1900mmX1550mm 2200Kg |
| Parking layers | 5 layers |
| Lifting speed | Max.40m/min |
| Sliding speed | Max.40m/min |
| Lifting power | 15Kw |
| Sliding power | 3kw |
| Turning speed | 1.8rpm |
| Parking form | Forward in, forward out |

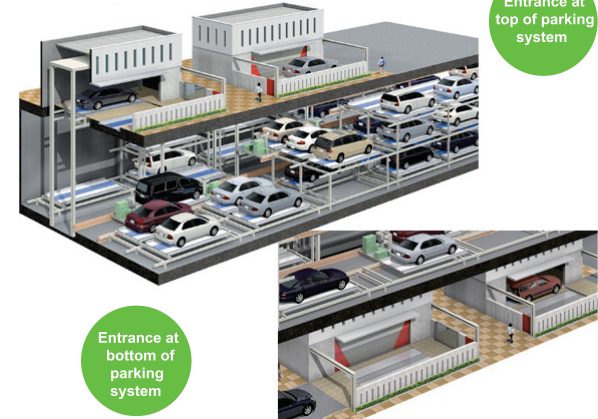
Effect diagram



Single pallet

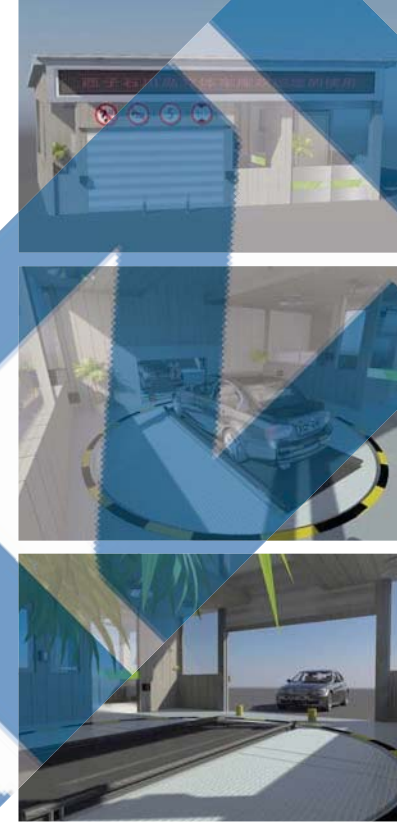


Double pallet



Entrance at top of parking system

Entrance at bottom of parking system



Warehousing action

