

## 【PSC Speedy Parking System】





### Operation Principle:

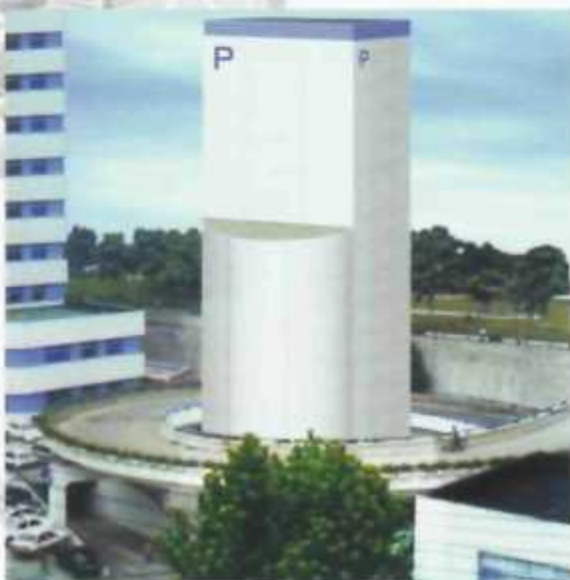
Speedy parking system is also called elevator parking system. It is a highly automatic parking system. It uses lifting system to carry vehicles or pallets to the appointed layer and then use device setting on the lifter to carry in or fetch out vehicles or pallets.

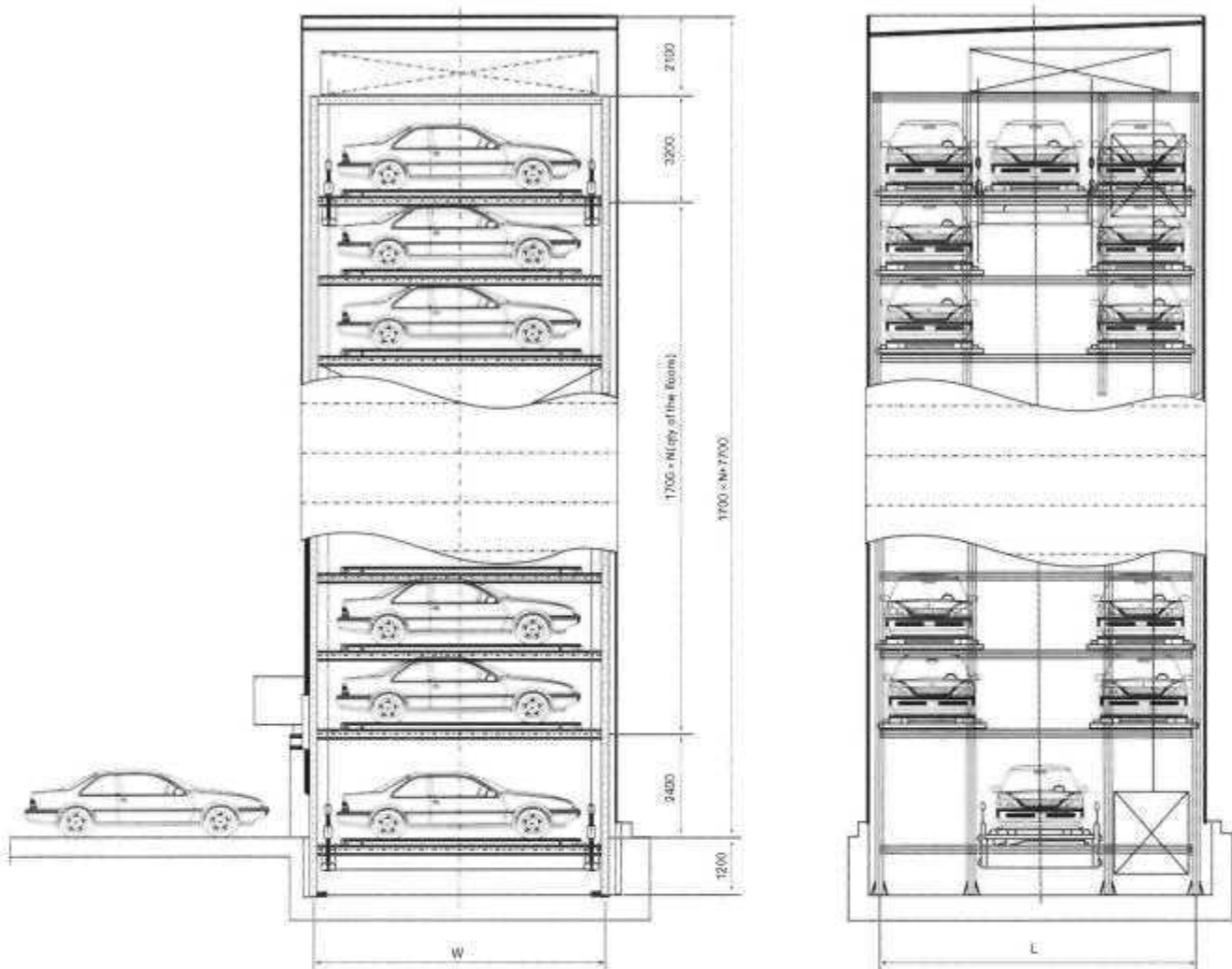
### Character

- Little occupied ground, high capacity, can park more than 40 cars in 50 sq meters
- Highly automatic, low usage of electricity, low noise, fast speed of parking
- Tension and frequency conversion, stable operation, high security, easy maintenance, convenient management
- Exterior wall can be made of steel or concrete, novel design
- Close management, safe, theft—proof
- Several kinds of automatic checking system and guiding system

### Main Structure:

- Steel structure or concrete structure
- Lifting system
- Convey system
- Control system
- Safe-guard system





Main Technical Data

|                                    |  |                      |                |
|------------------------------------|--|----------------------|----------------|
| Type:                              | Front raise type (built-in type, outdoor type) |                      |                |
| Qty of the parking vehicles        | 12-70 vehicles                                 |                      |                |
| System Size                        | L  | 6200                 | 6400           |
|                                    | W  | 2600                 | 2700           |
| Suitable for Vehicle Type          |  | Vehicle type D       | Vehicle type T |
| Elevating                          | Motor  | 2.2kw-30kw           |                |
|                                    | Speed  | 60-120m/min          |                |
| Horizontal-moving                  | Motor  | 1.5kw                |                |
|                                    | Speed  | 28m/min              |                |
| Rotation                           | Motor  | 3.0kw                |                |
|                                    | Speed  | 3.5rpm               |                |
| Max. time for fetching vehicle out |  | 90s                  |                |
| Control                            |  | PLC                  |                |
| Operation                          |  | touch screen/IC card |                |
| Power                              |  | 3N AC 380V 50Hz      |                |

## Safety devices

|                          |  |
|--------------------------|--|
| Time saving:             | The control system of PSC Speedy Parking System has memory of parking situation of every pallet. When the parking system is working, the control system can help to finish the parking and fetching vehicles out as soon as possible with its memory. Photo-electric automatic door: With the detecting of the infrared way sensor to ensure the safety of people when they are get on and off of the vehicle. |
| Emergency Operation:     | To ensure vehicles can be fetched out when the parking system is in mail-function.   |
| Optional operation:      | Two operation ways: Manual operation for testing the parking system while the automatic operation for normal working.  |
| Vehicle door opening:    | With the detecting of the infrared way sensor to stop the parking system when the Vehicle door is open.  |
| Mail-function directory: | The maifunction directory can explain the problem to help maintaining the parking system when it is stopped working because of mail-function.  |
| Emergency stop button:   | The system can by stopped anytime when this button is pushed.  |
| Vehicle door protection: | The parking system is moving, the vehicle door on the pallet cannot be opened.   |
| Emergency Light:         | When the power of the parking system is off, this emergency light can supply light to all the system.  |
| Size limit:              | This device can prohibit the vehicles with exceed sizes to enter the parking system.   |
| Overlap checking:        | Preventing another vehicle is to be parked on one pallet when it is already occupied.  |
| Entry Emergency:         | To protect people going in and out of the parking system.  |

## Optional functions

|                               |  |
|-------------------------------|--|
| Touch Screen Operation System |  |
| Management System             |  |
| Toll Collecting System        |  |

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## **Automatic Parking Systems**