



*Smart Solution with High Precision*



***SolidTeam Engineering Pvt. Ltd.***

*Automated Mechanised Car Parking System*



# About us

Solidteam engineering private limited is mumbai based company established in 2016. As we saw the need of parking, the huge problems in parking and every urbanite struggle for parking. STEPL was founded by Mr. Anil Rathi having experience more than 15 years. Who are passionate about car parking system with the goal of providing highest quality service at affordable prize.

From the begining of company our approach is customer satisfaction. We have team of industry experts, control specialist, design engineers & maintenance staff. We are continually expanding our team. We strives for giving best service to our customers.

We are providing experinced team for system installation. Parking System can be customized as per building layout.

We can provide parking systems in the following sectors -

- Airports
- Car Park Owners & Operators
- Cinemas
- Health, Leisure and Sports Clubs
- Hospitals
- Hotels
- Housing Associations (Private & Public)
- Supermarkets
- Motorway Service Stations
- Office and Retail Parks
- Private Roadways
- Railway Stations
- Residential Estates and Apartment Blocks
- Restaurants
- Shopping Centres
- Universities and Colleges
- Stadiums Sports & Other Events



Aesthetic



Time



Saving



Eco friendly



Safety



# PRODUCTS INTRODUCTION

● **Standard Stack Parking System**

● **Cantilever Stack Parking System**

● **Three Level Stack Parking System**

● **Puzzle Parking System**

● **Tower Parking System**

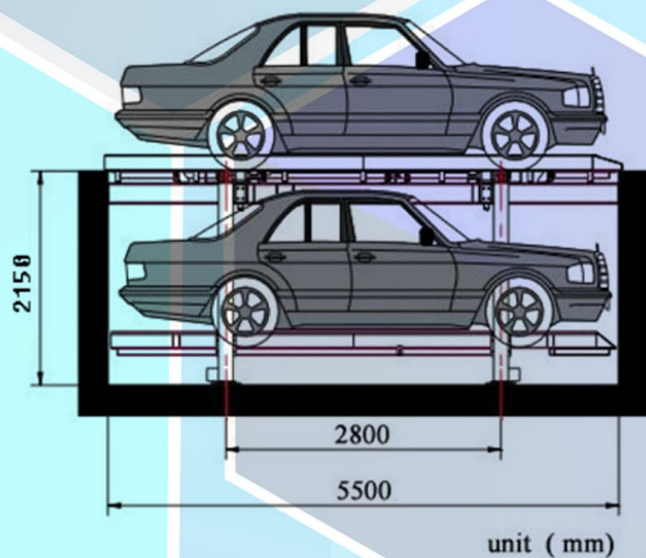
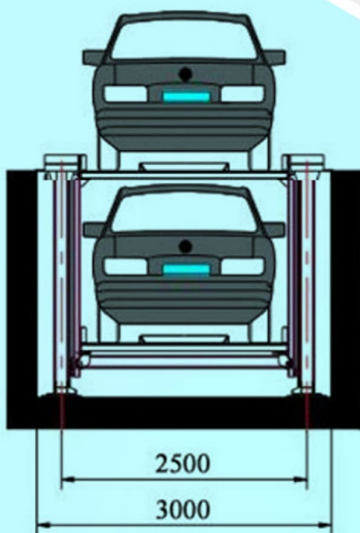
● **Vertical Rotary Parking System**





# Standard Stack Parking System:

In this system, car is parked on the platform when it is at the ground level then lifted upwards. Additional parking is available below the loaded pallet in this system. This can be installed in both indoor and outdoor area. This system can be either electromechanically or hydraulically operated. This type of system is mostly preferred in residential complexes, IT Parks and Hotels.



## Technical Specification -

Car length : 5000-5200 mm

Width : 2100 mm (with mirror)

Height : 1500 mm, 1700 mm, 2000 mm

Weight : 2000-2300 Kg

Suitable for Car Models

Sedan For All levels &

SUV For only ground level.

Weight : 2000-2300 Kg

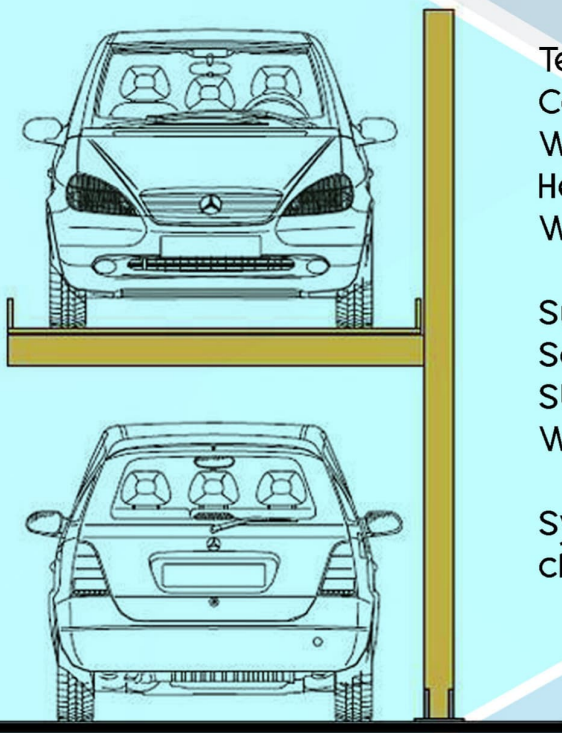
System can be custom designed as per clients requirements.



# Cantilever Stack Parking System :

In this system, car is parked on the platform when it is at the ground level then lifted upwards. Additional parking is available below the loaded pallet in this system. This can be installed in both indoor and outdoor area. This system can be either electromechanically or hydraulically operated. This type of system is mostly preferred in residential complexes, IT Parks and Hotels.

This is single pole parking system. This system suitable in driveways and in case of obstructions for vehicle and fire engine movements. When Pallet is upward position, the drive way will be for normal usage.



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SUV For only ground level.

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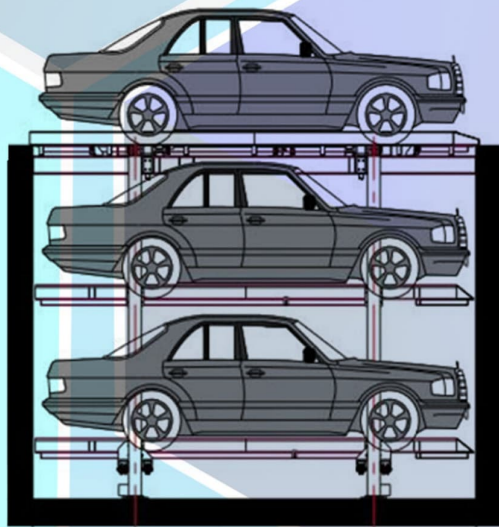
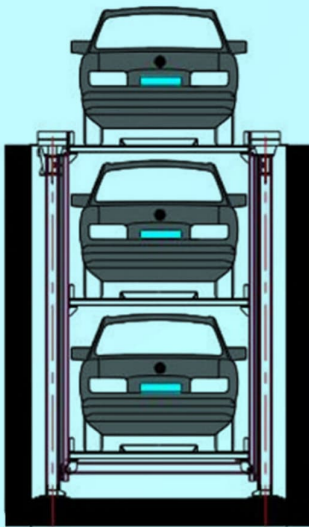




# Three Level Stack Parking System :

In this system, car is parked on the platform when it is at the ground level then lifted upwards. Additional parking is available below the loaded pallet in this system. This can be installed in both indoor and outdoor area. This system can be either electromechanically or hydraulically operated. This type of system is mostly preferred in residential complexes, IT Parks and Hotels.

This system uses 2 platforms, one above the other but dependency is more than simple stack parking systems. While two cars are parked on both the platforms, the third car is parked at ground level. This system also uses same mechanism as simple stack parking system. This system also works for PIT space.



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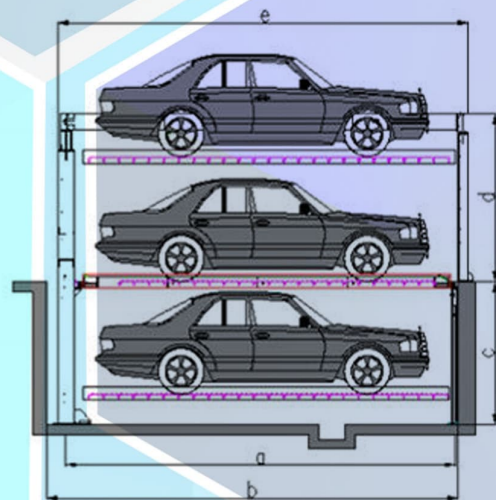
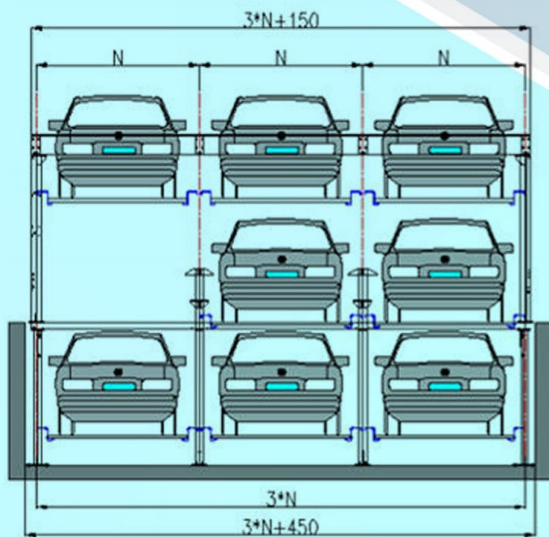
Weight : 2000-2300 Kg

System can be custom designed as per clients requirements.



# Puzzle Parking System :

This is a multilevel parking system having vertical as well as horizontal motion. Puzzle Parking system is controlled by a PLC based controller thus system is independent system. This system is electromechanically operated. Fast IN & OUT of the cars is possible. Combination of multiple levels vertically & horizontally is possible. PIT type Puzzle parking system is also possible. It is user friendly in operation. This type of system is preferred in residential, IT Parks commercial complexes, malls, hotels etc. This type of system is customizable as per requirement.



## Technical Specification -

Car length : 5000-5200 mm

Width : 2100 mm (with mirror)

Height : 1500 mm, 1700 mm, 2000 mm

Weight : 2000-2300 Kg

System can be custom designed as per clients requirements.



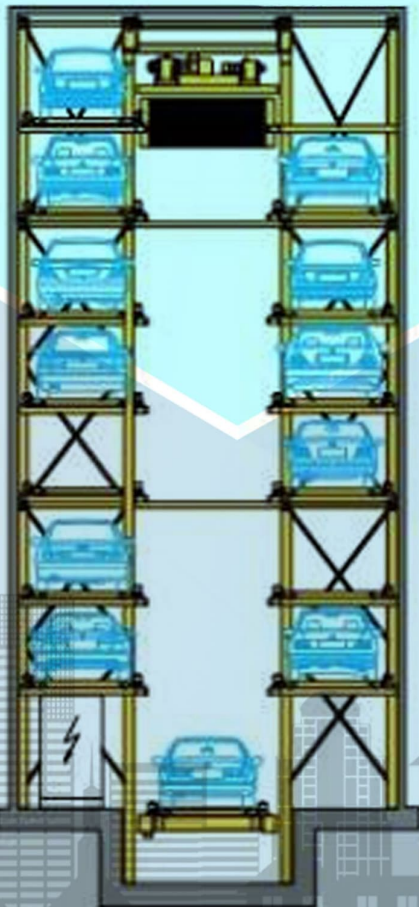
# Tower Parking System :

Tower has one lift which is electromechanically operated that takes the cars up and down to upper levels or in the pit and it uses sliding mechanism to put the parking platform at empty space. It is a fully automatic product with single entry/exit points. Tower parking system is suitable for effective utilization of space and height. This system is preferable for more than 25 cars. In normal cases it has a lift at the centre and one row of parking to its either sides. This type of system is customizable as per requirement. It is user friendly in operation. This type of system is preferred in residential, IT Parks commercial complexes, malls etc.

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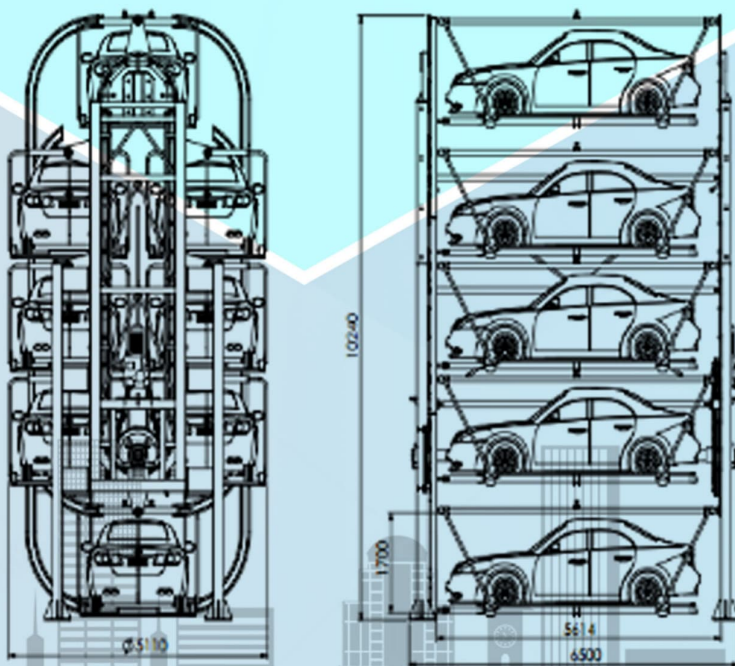
System can be custom designed as per clients requirements





# Vertical Rotary Parking System :

Vertical Rotary Parking System is ideal for both residential and commercial purposes. It requires very less ground space and multiple units can be installed according to your requirement. It uses only motor for 10-16 cars so resulting in very less electricity consumption. It is user friendly in operation.



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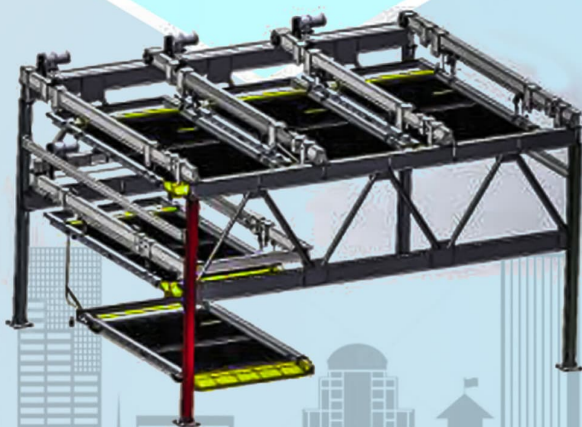
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# Horizontal Parking System :

The horizontal parking system have the upper and lower floors. It can be placed on the ground and also can be placed under ground. The lower floor have one spare parking space for exchange.

The lower parking spaces are at the same level as the ground, can directly access the vehicles. And the lower parking spaces can transverse moving, when the lower parking space empty, the upper parking space fall to the ground, so that vehicles free access.



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Weight : 2000-2300 Kg

Suitable for Car Models

Sedan For All levels &

SUV For only ground level.

System can be custom designed as per clients requirements.



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