



SmartPARX

Do it the smart way

POWERED BY



SHALIN HYDRAULICS
Since 1992



COMPANY **PROFILE**

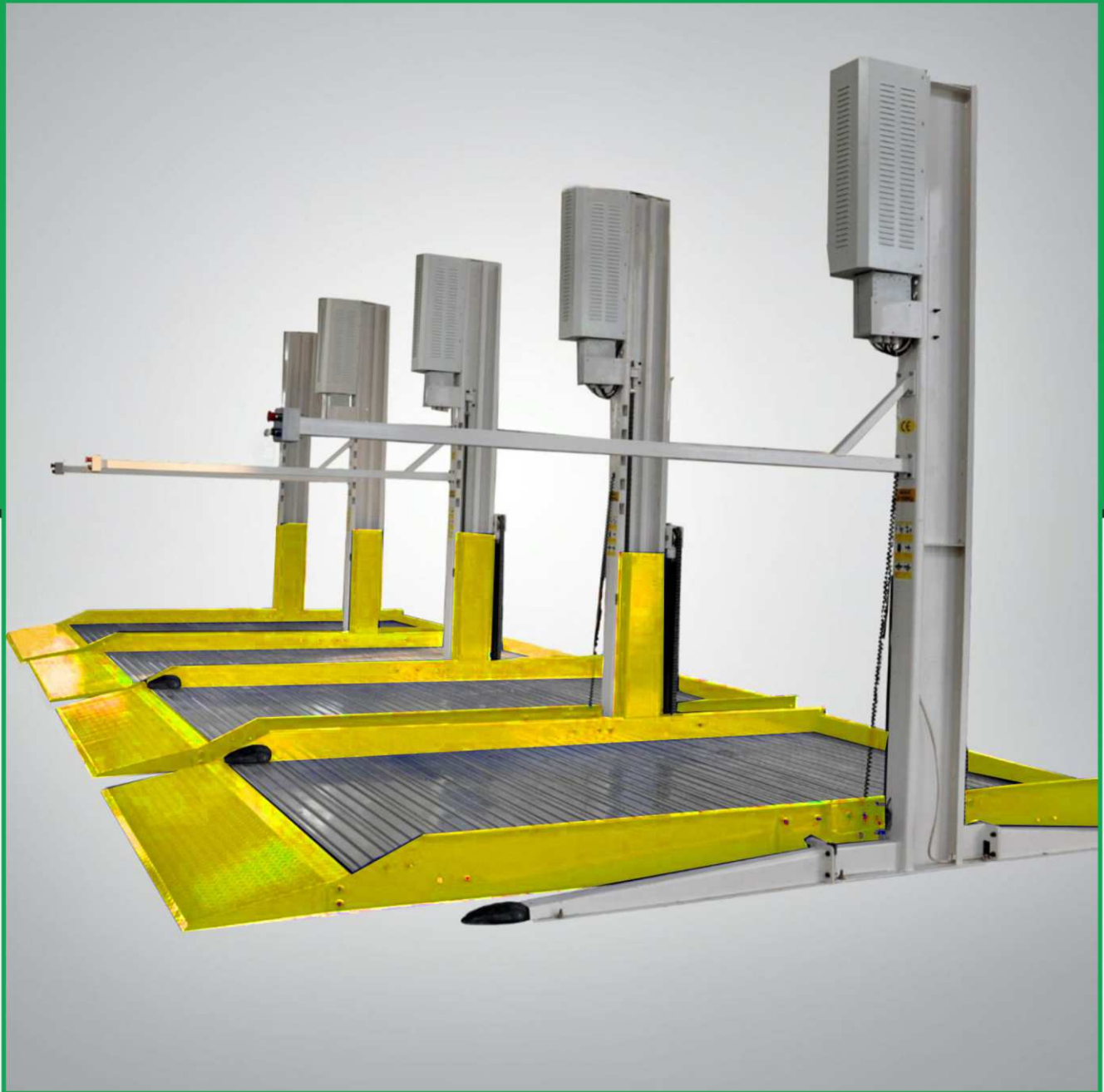
SMARTPARX PARKING SYSTEMS AND SOLUTIONS is specialized in research, development, design, manufacture, marketing and installation of parking equipment, and can cater global parking solutions.

SMARTPARX mainly manufactures & markets Two Post Parking Systems, Puzzle Parking Systems, Vertical circulation Parking Systems, Pit Parking Systems & Stacker Parking Systems.

SMARTPARX has a professional mechanical and electrical design team as well as an experienced production & installation team. Based on ISO 9000 management system, we always attaches importance to technical training and quality control so as to ensure product quality with strong hardware facilities.

SMARTPARX has always been committed to provide more suitable and effective parking solutions to our customers.

Two Post Parking Stacker (2 Cars) Twin Parx 2.3

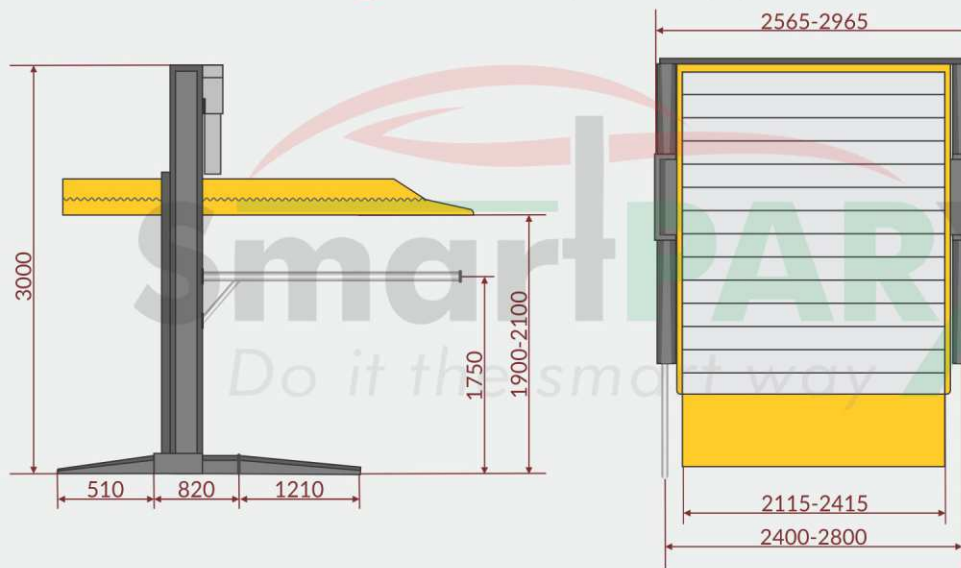


Smart Parx's objective is to become a world class manufacturer & seller merchant of parking equipment with the following competitive advantages:

- Customer Orientation
- Advanced Technology
- Precise Manufacture Processing
- Strong Service Support

You are welcome to add our products to your inventory if you are looking for a reliable parking equipment supplier!

Two Post Parking Stacker (2 Cars) (Premium +)



Main Technical Parameters

No.	Name of part		Specification	Remarks
1	Power unit		2.2kW/3HP; 220V	3 Phase; also available for 1 Phase
			1.5kW/2HP; 220V	
2	Cylinder		Single stroke Robust	Single cylinder with chain Tech.
3	Column	Bending	$\delta=4\text{mm}$	
		Square	40*40*3	Powder Coated
4	Parking plate	Platform	$\delta=2.0\text{mm}$ L=2115-2415mm	Hot Dip Galvanized
		Boundary	$\delta=4\text{mm}$	Powder Coated
	Photo-electricity		Capacitive Type	Optional
	Limit switch		1 piece	For Height Adjustment
	Anti-falling		15 KN Force Lock coils	2 pieces, no feedback
5	Operation mode		Manual	Key Operated
6	Operation voltage		220V	Optional
7	Lifting height		2100mm	Also available in 2000 mm.
8	Lifting weight	2300Kg	This Includes all the cars in SUV segment available in INDIA.	
9	Lifting Speed	2.7 m/min	46 sec. Up Speed/ 35 sec. Down Speed (Fastest in the Market*)	

* δ =Thickness

Two Post Parking System detailed Specification

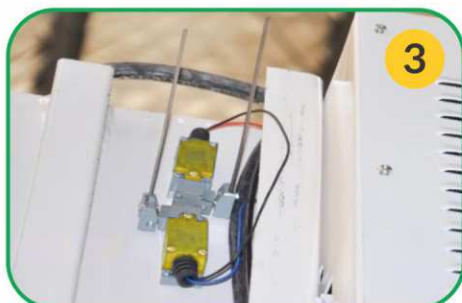
Main Configuration



1. Special electromagnet feedback for car garage (Fig. 01).



2. Photoelectric detection, to detect existing car or something else under to ensure safety (Fig. 02).



3. The upper limit/the top limit switch (Fig. 03).



4. The lowest limit switch (Fig. 04).

Safer and More Reliable

1. Special electromagnets

The electromagnet has a small limit switch, which can efficiently avoid accidents caused by the opening of only one electromagnet.

2. Photoelectric switch

It can ensure the carrier not to move down in case there are persons or cars underneath.

3. Up limit and upper limit

If the up limit fails to cut off the circuit when the parking lift moves up to the top position, the upper limit will cut it off to achieve more security.





Two Post Parking System detailed Specification Humanized Design



5. The buzzer warning when moving down to avoid the lowest limit switch failure, which may damage the electromagnetic valve (Fig. 05).

1. Bumper blocks:

Kinds of bumper blocks are used to avoid damage to tires.

2. Easy operation:

Only turn the switch to "up", or "down" position, release the hand, the parking lift will automatically move up or down to the right position.



6. Bumper block 1-2 (Fig. 06).

3. Low limit & buzzer:

When the parking lift moves down to the ground, the lower limit will cut off the circuit, or the buzzer will warn and remind you to check and cut off the circuit to avoid damage to the electromagnet and the solenoid.



7. Power unit protecting cover (optional) (Fig. 07).



8. Controlled by remoter or mobile phone app (optional) (Fig. 08).

Three level Parking Stacker (3 Cars) Triple Parx 2.1

Triple Level Parking Specification

		T Type	D Type
Size of cars	Length	≤5300 mm	≤5000 mm
	Width	≤1900 mm	≤1850 mm
	Height	≤1900 mm	≤1900 mm
	Weight	≤2500 kg	≤2000 mm

1. Fastest

2. Heaviest

3. Silent Motorized System

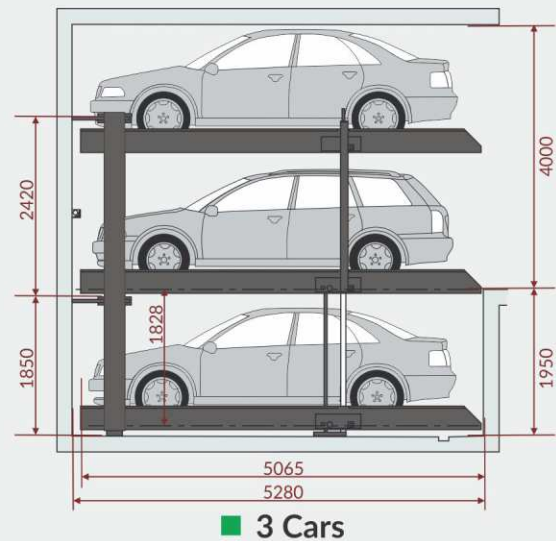
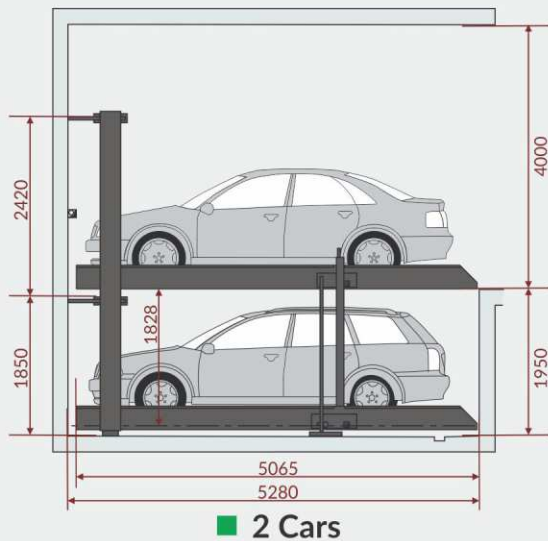
4. High Lifting Capacity



Main Technical Parameters

No.	Name of part		Model	Brand	Remarks
1	Lifting Motor		Gear Motor Power 2.2KW with Break	MCN	Weight ≤2000 kg
			Gear Motor Power 3.7KW with Break	MCN	Weight ≤2500 kg
2	Safety & Protection Device	Anti-fall device	Four Points Mechanical Locking		
		Vehicle over length protection	CX-412	Sensor	Japan
		Check the 1F whether to have car	CX-412	Sensor	Japan
		Air switch	IC65N-C10A/4P	Schneider	Germany
		Thermorelay	LRD12C 5~8A	Schneider	Germany
		Alternating current conductor	LC1D09M7C	Schneider	Germany

Two & Three Cars Pit Parking System



Model: 2 Level Pit Stacker(Independent) Main Technical Parameters

No.	Name of part		Specification	Remarks
1	Power unit		2.2kW/3.7kW 3HP; 220V	3 HP / 5 HP Motor
2	Cylinder			2 piece
3	Column	Bending	$\delta=5\text{mm}$	Powder Coated
4	Parking plate	Wave Plate	$\delta=2.0\text{mm}$ L=2115-2415mm	Hot Dip Galvanized
		Boundary	$\delta=1\text{mm}/5\text{mm}$	Powder Coated
	Photo-electricity		Capacitive Type	Optional
	Limit switch			1 piece
	Car Size		5000mm x 2000mm x 2000mm	Varies as per Ava. pit size on Site
	Anti-falling		15 KN Force Lock coils	2 pieces, no feedback
5	Operation mode		Manual	Key Operated+Eme. stop Button
6	Operation voltage		220V/380V	Optional
7	Lifting height		2100mm	Also available in 2000 mm.
8	Lifting weight	2300Kg	This Includes all the cars in SUV segment available in INDIA.	
9	Lifting Speed	2.0 m/min	60 sec. Up Speed/50 sec. Down Speed	

* δ =Thickness

Security Protection

- Anti-fall device
- Power unit motor overload protection device
- Limited switch
- Warning and operation manual
- Emergency button switch
- Warning device
- Voltage protection device



Puzzle Parking System

How it works

Utilize the lifting and sliding of the car loading plate to access vehicles.

Each parking space contains a car plate to reach the ground floor by lifting, lowering and sliding movement so that the driver can enter the garage and get access to the car.

The top and the underground floor is full parking, only lifting movement is needed for them. The remaining floors are required to leave an empty shift for both sliding and lifting movement.

The ground floor only has sliding movement. The only thing for the user to do is to insert a card or push a button, and the whole process is automatically done by the controlling system.

Types of the Puzzle Parking System

- 2-6 floor parking system above the ground;
- Combination with basement, from (-1+2) to (-3+6) floor;
- Combi puzzle parking system

Features

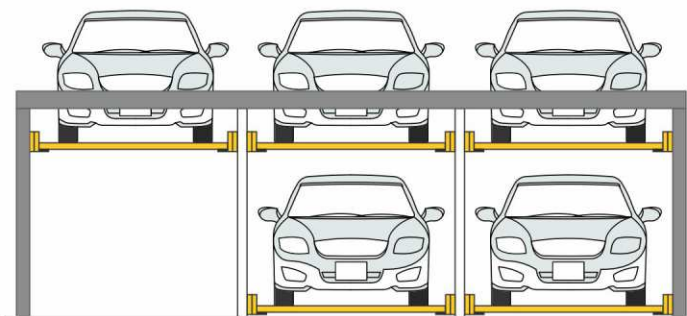
- Adaptable and flexible layout (Low requirements on building structure: the combination & arrangement can be adjusted to specific terrain & space, which is applicable to not only underground parking lot, but also outdoor parking space with peripheral anti-canopies, fences, & other facilities to increase the aesthetics);
- Steel structure components, simple appearance & transmission;
- Smooth operation, safe & reliable;
- Energy saving, environment protecting, low noise;
- Low cost, simple installation, easy maintenance;
- Flexible setup, meeting the needs of various customers;
- Multiple security detection device

Two Floor Puzzle Parking System

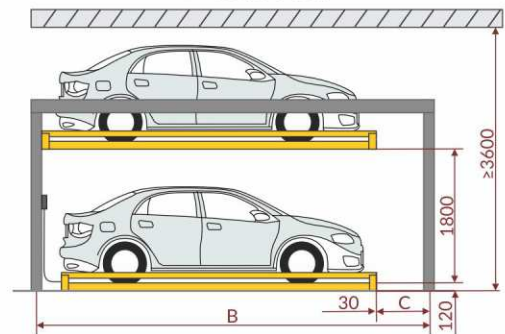
Main Technical Parameters

Type			T			D		
Size of equipment	Vehicle Size	L	$\leq 5300\text{mm}$			$\leq 5000\text{mm}$		
		W	$\leq 1900\text{mm}$			$\leq 1850\text{mm}$		
		H	$\leq 1550\text{mm}$			$\leq 1550\text{mm}$		
		Weight	$\leq 2000\text{kg}$			$\leq 1800\text{kg}$		
	Distance of booths in union	A	2350	2400	2450	2300	2350	2400
	Post longitudinal spacing	B	5750	5750	5750	5450	5450	5450
	Distance from front post to entrance	C	900	900	900	765	765	765
	Overall length of equipment	B+205	5955	5955	5955	5655	5655	5655
	Overall width of equipment	N*A+150	7200	7350	7500	7050	7200	7350
	1*Min inner width of the cement column	$\geq N*A+200$	7250	7400	7550	7100	7250	7400
	1*Min inner length of the cement	$\geq B-170$	5580	5580	5580	5280	5280	5280
	2*Min inner length of the cement	$\geq N*A$	7050	7200	7350	6900	7050	7200
	2*Min inner length of the cement	$\geq B+330$	6080	6080	6080	5780	5780	5780
Motor power		Transverse	0.2kW					
		Lifting & Lowering	2.2kW					
Running speed		Sliding speed	7~8m/min					
		Lifting speed	4~5m/min					
Noise			$\leq 63\text{dB}$					
Average access time			$\leq 30\text{S}$					
Control mode			PLC					
Operating mode			Button/IC card(at customer's option)					
Power supply			3 Phase 5 Wire AC 380V 50Hz					

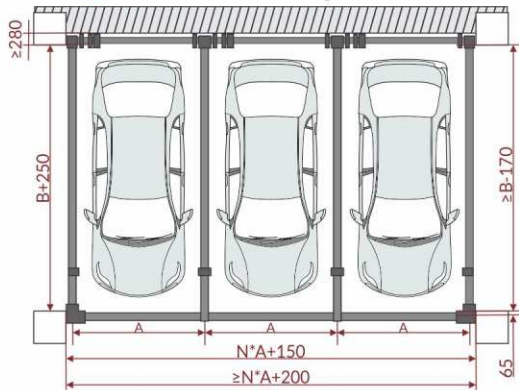
■ Front View



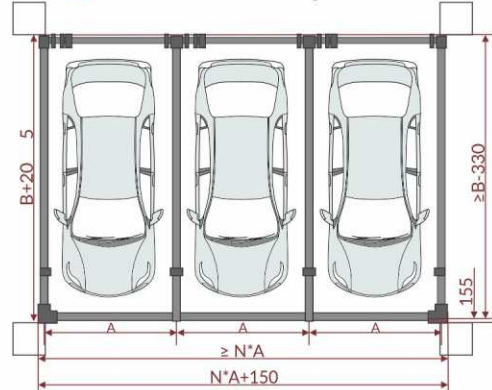
■ Side View



■ Cement column position 1



■ Cement column position 2



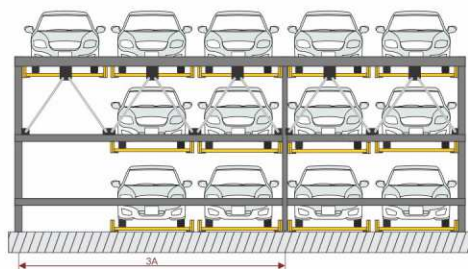
N---Number of booths in union. The calculation is based on N=3.
1*---Size of the cement column position 1

It can be designed in accordance with the special needs of the users.
2*---Size of the cement column position 2

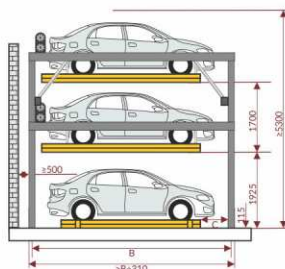


Three-floor Puzzle Parking System

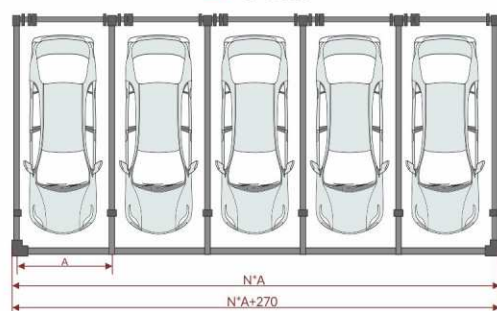
■ Front view



■ Side view



■ Plan



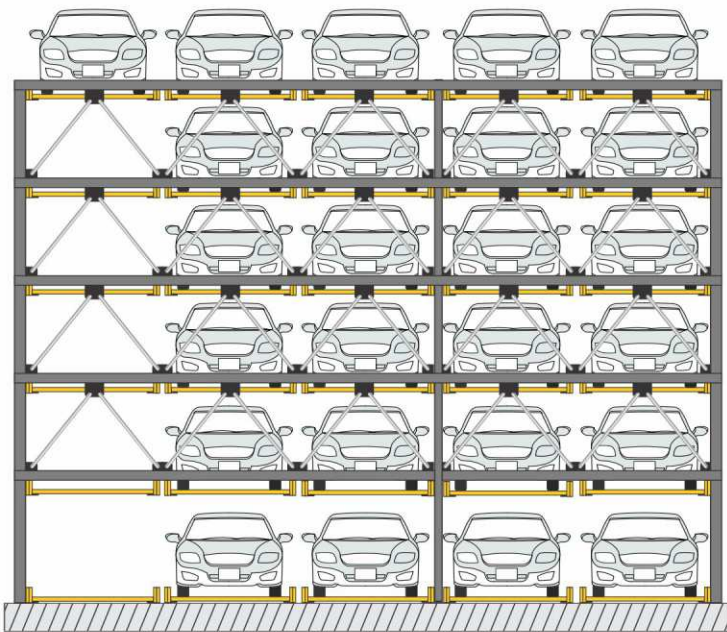
Main Technical Parameters

Type			T		D	
Size of equipment	Vehicle Size	L	≤5300mm		≤5000mm	
		W	≤1900mm		≤1850mm	
		H	≤1550mm		≤1550mm	
		Weight	≤2500kg		≤1800kg	
	Distance of booths in union	A	2500mm	2550mm	2450mm	2500mm
	Post longitudinal spacing	B	6200mm	6200mm	5900mm	5900mm
	Distance from front post to entrance	C	1050mm	1050mm	915mm	915mm
	Overall length of equipment	B+310	6510mm	6510mm	6210mm	6210mm
	Overall width of equipment	N*A+270	12770mm	13020mm	12520mm	12770mm
Both sides column distance	N*A	12500mm	12750mm	12250mm	12500mm	
Motor power		Transverse	0.2kW			
		Lifting & Lowering	3.7kW		2.2kW	
Running speed		Sliding speed	7~8m/min			
		Lifting speed	4~5m/min			
Noise			≤63dB			
Average access time			≤30S			
Control mode			PLC			
Operating mode			Button/IC card(at customer's option)			
Power supply			3 Phase 5 Wire AC 380V 50Hz			

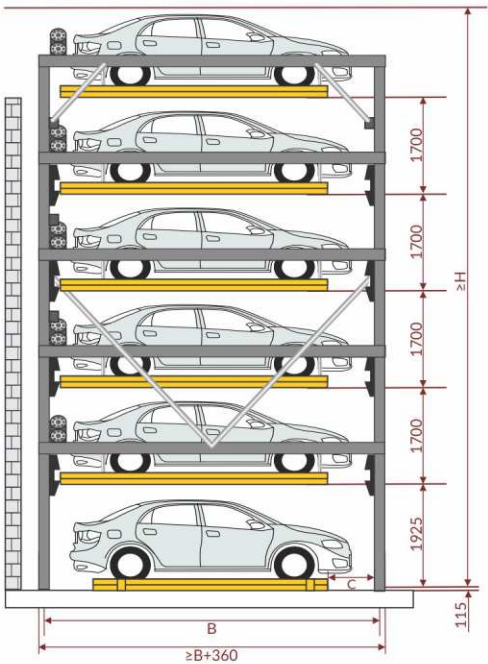
Four/Five/Six-floor Puzzle Parking System



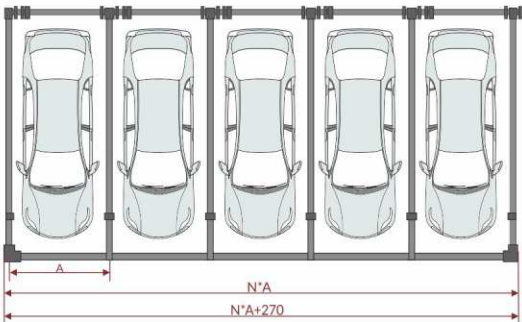
■ Front view



■ Side view



■ Plan



Main Technical Parameters

Type			T		D	
Size of equipment	Vehicle Size	L	≤5300mm		≤5000mm	
		W	≤1900mm		≤1850mm	
		H	≤1550mm		≤1550mm	
		Weight	≤2500kg		≤1800kg	
	Distance of booths in union	A	2500mm	2550mm	2450mm	2500mm
	Post longitudinal spacing	B	6250mm	6250mm	5950mm	5950mm
	Distance from front post to entrance	C	1050mm	1050mm	940mm	940mm
	Overall length of equipment	B+310	6610mm	6610mm	6310mm	6310mm
	Overall width of equipment	N*A+270	12820mm	13070mm	12570mm	12820mm
	Both sides column distance	N*A	12500mm	12750mm	12250mm	12500mm
Net height		H	4F: 7000mm 5F: 8700mm 6F: 10400 mm			
Motor power		Transverse	0.2kW			
		Lifting & Lowering	1F/2F 2.2kW		4F~6F 3.7kW	
Running speed		Sliding speed	7~8m/min			
		Lifting speed	4~7m/min			
Noise			≤63dB			
Average access time			≤55S			
Control mode			PLC			
Operating mode			Button/IC card(at customer's option)			
Power supply			3 Phase 5 Wire AC 380V 50Hz			

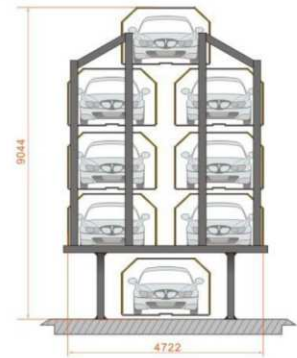


PCX Vertical-circulation Parking System

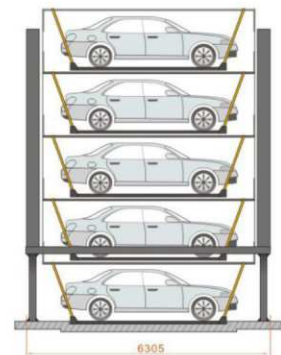
Main Technical Parameters

No.	Name		SEDAN	SUV
1	Vehicle size	Length (mm)	5000	5300
		Width (mm)	2000	2100
		Height (mm)	1550	2000
2	Vehicle weight (Kg)		2000	2500
3	Parking capacity		8	8
4	Drive Mode		Gear Motor + Chain	Gear Motor + Chain
5	Operation control mode		Frequency inverter	Frequency inverter
6	Power Supply		3 Phase AC 380V 50Hz	3 Phase AC 380V 50Hz
7	Motor Power		7.5 kW	9.2 kW

■ Front view



■ Side view



Features

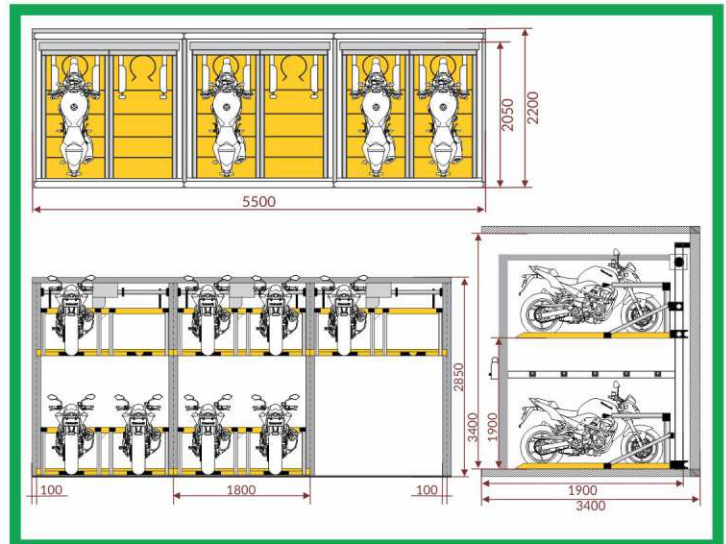
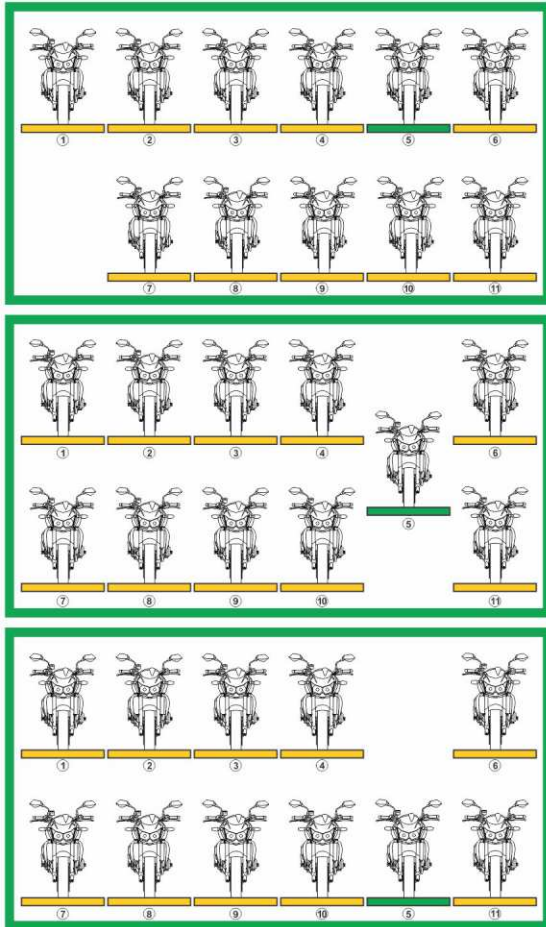
1. The motor power is designed according to the full offset load, so as to ensure the normal operation of the equipment under extreme offset load conditions;
2. Auto balance system for vehicle storage, average offset load of equipment < 1.5T, lighter load, lower motor operating power, longer service life, energy saving & consumption reduction;
3. Small floor area, only 2~3 common parking Spaces;
4. Low noise ($\leq 50\text{dB}$), quieter operation;
5. Modular composite units, easy installation & operation;
6. Unattended & non-inductive payment system reduces labor costs & provides all-round services for smart cities. (optional);
7. Intelligent security door, intelligent door interlocking system, double-door linkage, intelligent lifting, automatic anti-pinch, low noise & high speed (optional).



Two Wheeler Parking Systems

THE ACTUAL CONGESTION PROBLEM IS GENERATED BY 2 WHEELERS.

Hence as an Indian solution to Indian problem we have launched our economical & maintenance free 2 wheeler parking systems



160 SYSTEMS SUCCESSFULLY
INSTALLED.

FIRST EVER IN INDIA AT SUCH SCALE

BY

SmartPARX
Do it the smart way



Packing Method

● Packing Details

All the products are shipped with seaworthy packing.

1. Iron frame to fix equipment
2. All structures are fixed on the frame by screws
3. All electric wires & motors are put into carton
4. Iron frames & cartons are covered by PE stretch film
5. PE stretch film is twined around each package to protect from water

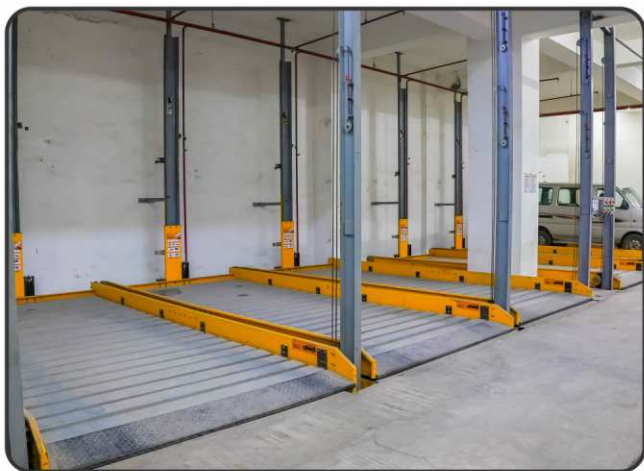
**Premium Packaging to ensure
SAFE & DENT-FREE delivery to client.**

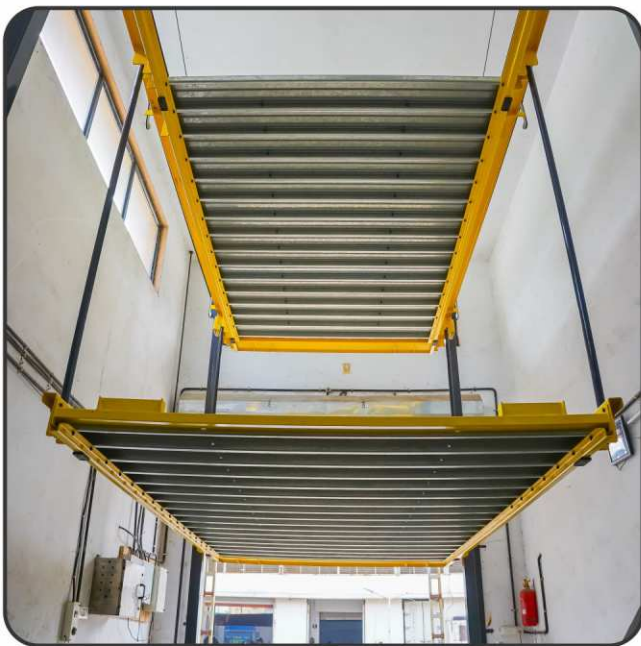




Our Work







Our Clients





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