Experienced Parking System
Efficient Parking System
Environmental Parking System

EASY PARK

ISO 9001 · IAF · OHSMS 18001 CQM · ECM

ASIA PARKING TECHNOLOGY LIMITED

EASY PARK

Easy Parking is your reliable parking solution partner.

Asia Parking Technology Limited is one of the leading manufacturers on puzzle parking systems for over 10 years in Shandong province, P. R. C. We provide planning, installing mechanical parking system and maintaining automatic parking system from Italy since it's established. We have manufactured and installed more than thousands of lots worldwide.

Our company has a strong team of more than 10 experienced engineers and staffs over 200, with a coverage of 60, 000 square meters with annual production of 15, 000 car lots. Our engineer worked in European company who are professional on planning and technical service support. We have passed the international quality management system standardISO9001: 2008 and for environment ISO14001: 2004.

Asia Parking has been innovating and providing its customers with the newest & most advanced technical solutions, such as puzzle parking system, pit stacker, simple parking lift, vertical circulation type, store parking system, turntable and car elevator, convenient, secure, excellent, space saving and energy saving.

What's simple parking lift?

There are 3 types parking lift for individuals, two post parking lift, inclined parking lift and the pit stacker which is easy to operate and install.

TPP

PRODUCT SPECIFICATION

TPP SPECIFICATION		
car size	length	≤5000mm
	width	≤1850mm
	height	≤1550mm
capacity	≤2500 kg	
motor	2.2kw	
drive mode	hydraulic	
lifting height	max 2100mm	
Noise	≤63db	

* The specification is adjustable according to customer's requirement

TPI

PRODUCT SPECIFICATION

TPI SPECIFICATION		
capacity	width	≤1850mm
	height	≤1550mm
	≤1800 kg	
motor	2.2kw	
drive mode	hydraulic	
lifting height	max 2100mm	
Noise	≤63db	

* The specification is adjustable according to customer's requirement

PJS

PRODUCT SPECIFICATION

PJS SPECIFICATION (max 3 tiers0		
car size	length	≤5200mm
	width	≤2150mm
	height	≤2000mm
capacity	≤2600kg	
motor	3.7kw or 5.5kw	
speed	4m/min	
mechanism	chain or steel cable	
noise	≤63db	
control	PLC	
operation	Card or button	

* The specification is adjustable according to customer's requirement

What's standard puzzle system?

Driver can park and retrieve cars by the pallet lifting up and down and horizontal tranfering. Each lot has a pallet. The top tier lots can only be lifted up and down. The middle tier lots can be both tranfered horizontally and lifted up and down. But the ground tier can only be moved horizontally. There's one empty pallet on every tier except the top tier. These pallets can be switched from side to side so that it can make space for the middle tier lots and top tier lots to descend to the ground floor. Then the driver can drive in or out of the pallet. The cars parked on the ground floor can be driven in or out directly.

STEP 1

Driver get out car and tap his card on the control panel.

STEP 2
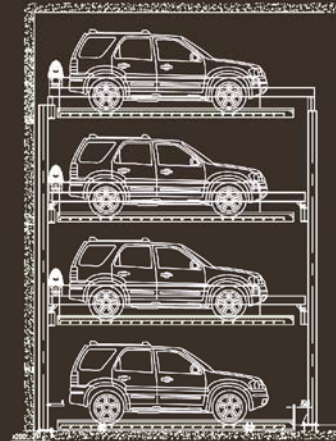
System will make space for the pallet.
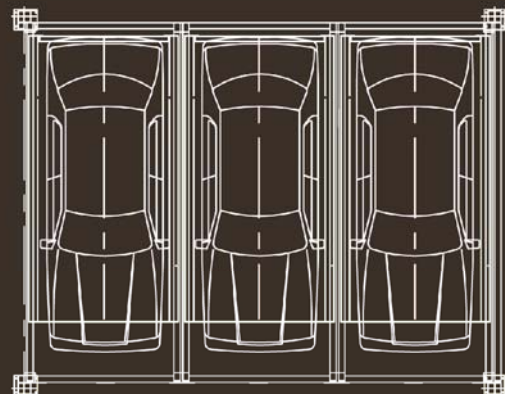
STEP 3

Drive into the pallet and leave.

FRONT VIEW DRAWING

SIDE ELEVATION DRAWING

PLAN VIEW DRAWING

PRODUCT SPECIFICATION

STANDARD PUZZLE SPECIFICATION (max 6 tiers)		
car size	length	≤5200mm
	width	≤2150mm
	height	≤2000mm
capacity	≤2600kg	
ground tier	motor	0.2 or 0.4kw
	speed	6m/min
2/3/4/5th tier	sidemotor	0.2 or 0.4kw
	side speed	6m/min
	up&down motor	3.7 or 5.5kw
	up&down speed	3m/min
top tier	motor	3.7 or 5.5kw
	speed	3m/min
mechanism	chain or steel cable	
noise	≤63db	
control	PLC	
operation	Card or button	

* The specification is adjustable according to customer's requirement

What's combined puzzle?

This kind of system is combined by pit stacker and above ground puzzle parking system. The logic is managed by centralized control. The pit lot can be lifted up and down after above ground lot moving side by side to make space for it. The above ground system can move separately.

STEP 1

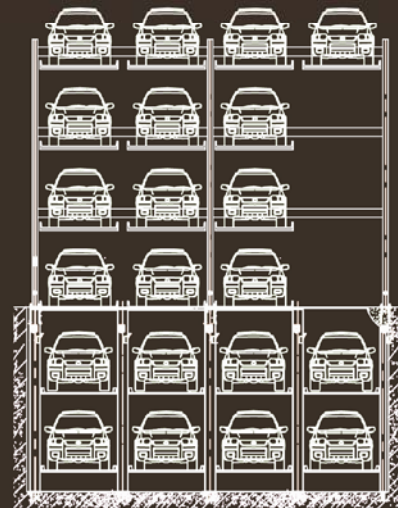The above ground pallets moves to sideand make space for the one in the pit.
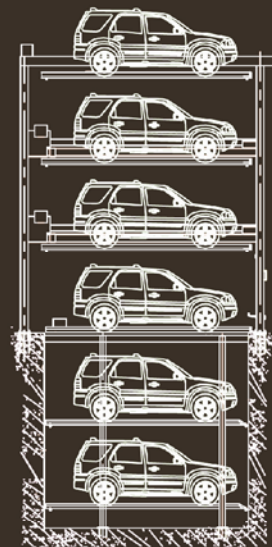
STEP 2

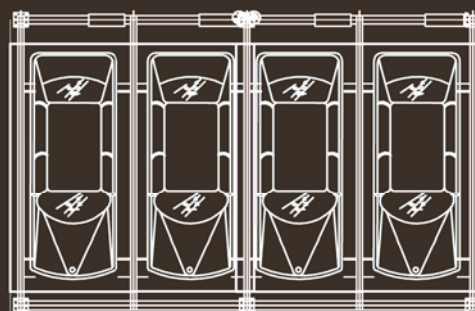The pit pallet will be lifted to ground.

STEP 3

Drive into the pallet and leave.System will return to original position.

FRONT VIEW DRAWING

SIDE ELEVATION DRAWING

PLAN VIEW DRAWING

PRODUCT SPECIFICATION

COMBINED PUZZLE SPECIFICATION		
car size	length	≤5200mm
	width	≤2150mm
	height	≤2000mm
capacity	≤2600kg	
ground tier	motor	0.2 or 0.4kw
	speed	6m/min
2/3/4/5th tier	sidemotor	0.2 or 0.4kw
	side speed	6m/min
	up&down motor	3.7 or 5.5kw
	up&down speed	3m/min
underground tier	motor	3.7 or 5.5kw
	speed	3m/min
top tier	motor	3.7 or 5.5kw
	speed	3m/min
mechanism	chain or steel cable	
noise	≤63db	
control	PLC	
operation	Card or button	

* The specification is adjustable according to customer's requirement

What's vertical circulation parking system?

There are many pallets installed on the chain, the drving system of the system. When the motor is started, the pallets will make vertical movements with the chain moving. In this way different cars on the pallets will be retrieved or parked.
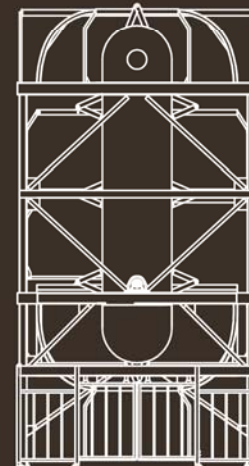
STEP 1

There's empty pallet on ground

STEP 2

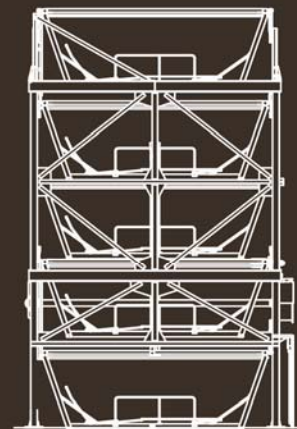The chosen pallet will be rotated to ground.

STEP 3

Retrieve car from pallet and reverse out of system.

FRONT VIEW DRAWING

SIDE ELEVATION DRAWING

PLAN VIEW DRAWING

PRODUCT SPECIFICATION

PCX SPECIFICATION		
car size	length	≤5000mm
	width	≤1900mm
	height	≤1500mm
	weight	≤1800kg
power	5.5kw or 7.5kw	
speed	4m/min	
noise	≤63db	

* The specification is adjustable according to customer's requirement

PLANE MOVING PARKING SYSTEM PPY (ITALY TECHNOLOGY) «

What's plane moving parking system?

The pallet is retrieved or parked by the shuttle on each floor or elevator between different floors with the help of accessing outfit and robot or it's realized by the comibination of shuttle and elevator, translift.

STEP 1

The car is moved to the elevator by accessing outfit.

STEP 2

Elevator transported the car to the shuttle on the designated floor.

STEP 3

The car is parked or retrieved to pallet or comb finger frame with the help of accessing outfit, robot carrier.

FRONT VIEW DRAWING

SIDE ELEVATION DRAWING

PRODUCT SPECIFICATION

PPY SPECIFICATION 50 lots		
car size	length	≤5200mm
	width	≤2150mm including side mirror
	height	≤2050mm
	weight	≤2500kg
operation mode		keyboard & IC card
lift specification		60m/min
		18.5kw
transport movement		45m/min
		4x0.75kw
turntable		3 rpm
parking mode		forward in & forward out

* The specification is adjustable according to customer's requirement

PLAN VIEW DRAWING

What's Aisle stacker parking system?

The car is moved to different levelling by the translift, rall mounted aisle stacking macine and parked or retrieved with the help of the accessing outfit, robot carrier.
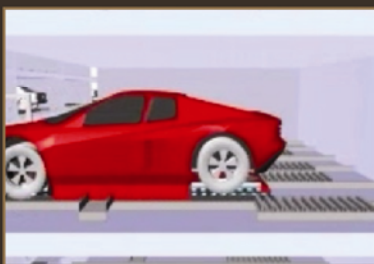
STEP 1
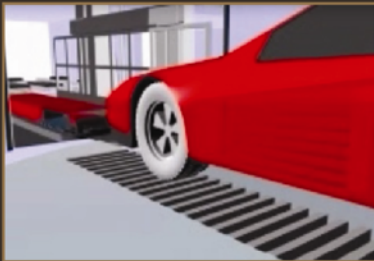
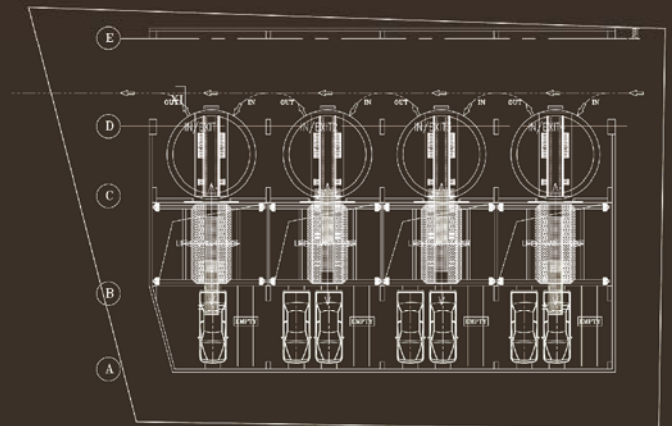The car is moved to the accessing outfit, the robot carrier.

STEP 2

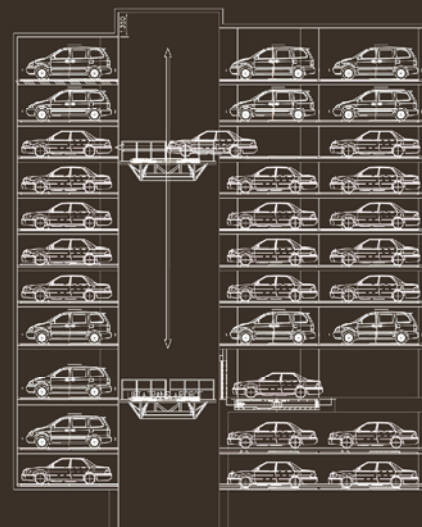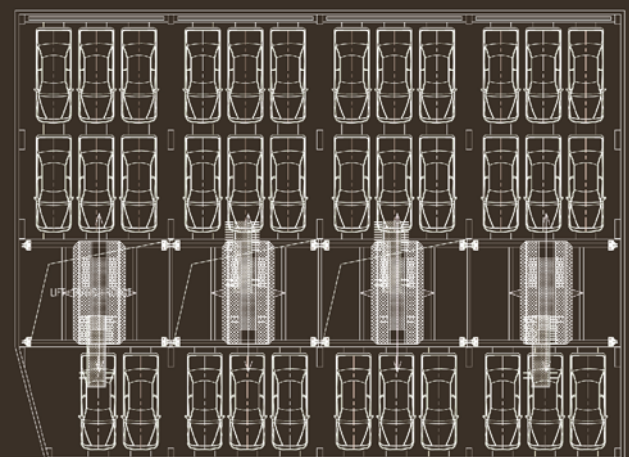The translift will transported the car to different lots on different floors.

STEP 3

The robot carrier will transported the car to the comb finger frame on the designated level.

FRONT VIEW DRAWING

SIDE ELEVATION DRAWING

PRODUCT SPECIFICATION

PXD SPECIFICATION		
car size	length	≤5250mm
	width	≤2150mm including side mirror
	height	≤2050mm
	weight	≤2500kg
TD speed	hoisting	60m/min
	travelling	30m/min
	trolley	48m/min
motor	hoisting	30kw
	travelling	2x0.7kw
	trolley	2x0.7kw
operation mode		keyboard & IC card

* The specification is adjustable according to customer's requirement

PLAN VIEW DRAWING

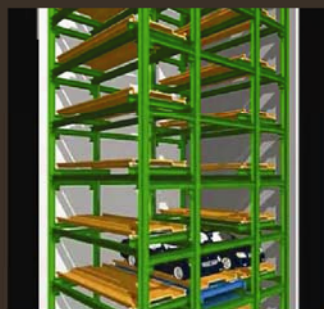## Tower parking system   PCS

The car is lifted to the designated level by lifting system and the horizontal shifting mechamism will transport car or pallet to the pallet.

STEP 1
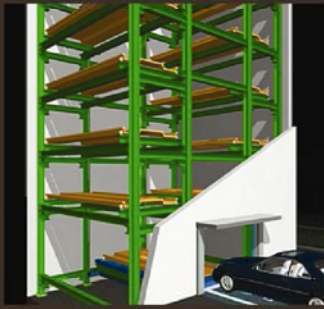
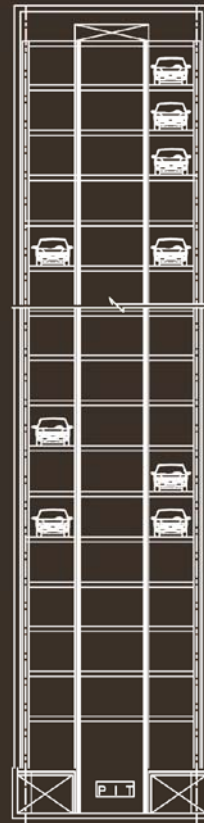Drive to the front of the system and auto door will be opened.

STEP 2

Elevator will lift the car to designated floor.

STEP 3

Horizontal shifting mechanism will transport car to the pallet.
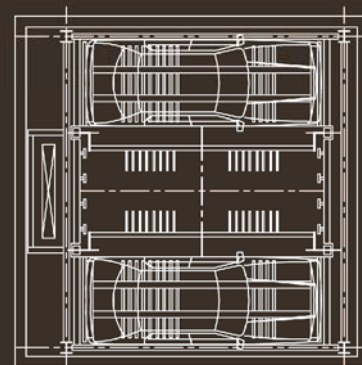
FRONT VIEW DRAWING

SIDE ELEVATION DRAWING

PRODUCT SPECIFICATION

PCS SPEICIFICATION		
car size	length	≤5250mm
	width	≤2150mm including side mirror
	height	≤1550mm
	weight	≤1850kg
lifting drive unit	lifting fork drive	
	motor	18.5kw
	mechanism	chain
	control	vibrator control
		electrical braking
	speed	90m/min
transporting drvie unit	cylinder drum drive	
	motor	0.2kw (pallet)
		0.4kw (hoist way)
	reducer	planet gear
	mechanism	chain
	control	electrical braking
	speed	26m/min
operation mode	keyboard & IC card	

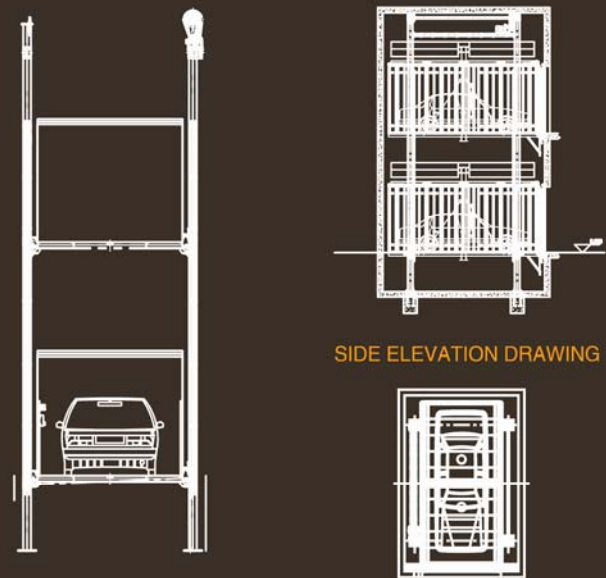* The specification is adjustable according to customer's requirement

PLAN VIEW DRAWING

What's car elevator?

It's used to transport car to different levels.

PRODUCT SPECIFICATION
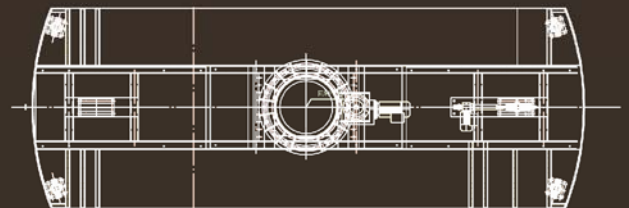
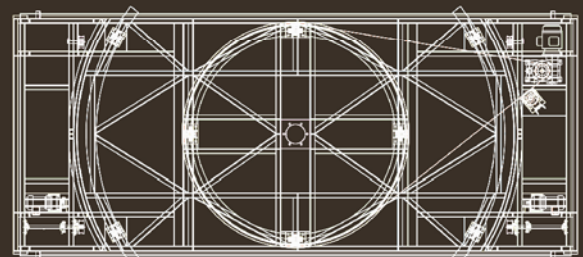| CAR ELEVATOR SPECIFICATION		
car sipallet specificationze	length	5600mm
	width	2800mm
	height	2200mm
	weight	2000kg
TD spelifting systemed	control mode	PLC
	motor	5.5kw
	speed	5m/min
operation operation mode	manual & IC card	

* The specification is adjustable according to customer's requirement

What's turntable?

It's used to turn car to right direction when it's difficult for driver to drive in or out within limited space.

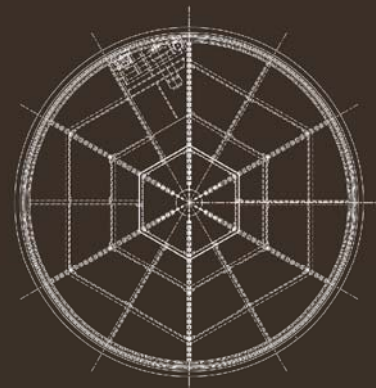## PRODUCT SPECIFICATION

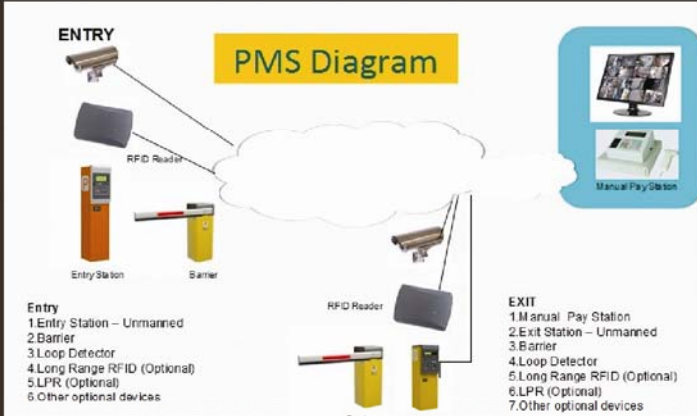| CAR TURNTABLE SPECIFICATION	
motor	1.5kw
speed	3rpm
return time	6s
capacity	2000kg

* The specification is adjustable according to customer's requirement

SIDE ELEVATION DRAWING

FRONT VIEW DRAWING

PLAN VIEW DRAWING

FRONT VIEW DRAWING

SIDE ELEVATION DRAWING

PLAN VIEW DRAWING

What's car management system?

PMS Diagram

1. Long Range RFID (LRR) for season parkers

Long Range RFID Tag

2. License Plate Recognition (LPR) for season parker
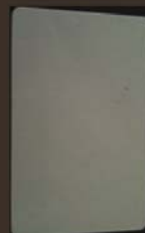

Long Range RFID Reader

3. Automatically dispense Ticket or Card for hourly parker

Entry Station

Barcode Ticket

Proximity Card

4. Season parkers swipe proximity card

Entry Station

Proximity Card

EASY PARK

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