



MECHANICAL GARAGE

**WE PLAN, DESIGN,
MANUFACTURE
AND INSTALL**



CERTIFICATE





MUTRADE PROFILE

Qingdao Mutrade Co., Ltd. is one of the earliest professional mechanical parking solution providers in CHINA. We are committed to provide the most suitable and cost effective parking solutions to our customers all over the world.

Hydro-Park is a subsidiary company and sub-brand built by Mutrade for high-end mechanical simple parking equipment. We develop, design and manufacture mechanical parking equipment with our own advanced technology and kept consistent high quality.

Our target is to become world class manufacturer with following competitive advantages:

Advanced Technology

Precise Manufacture Processing

Strong Service Support

Customer Oriented

For all the people who work in the mechanical parking business, if you are looking for a reliable partner in CHINA, Mutrade is the one company you can not miss!

PRODUCT RANGE

Hydro-park 1132



Hydro-park 1127



Hydro-park 1123



Hydro-park 2130



Hydro-park 2236



Hydro-park 3130/3230



Hydro-park 4127



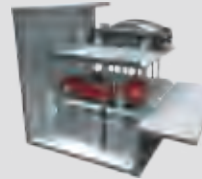
Hydro-park 5120



TTPP-2



PTPP-2



PFPP



BDP



ATP



FP-VRC



S-VRC

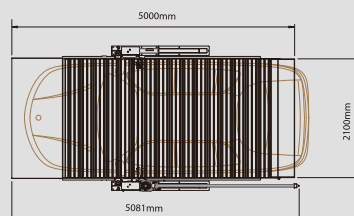
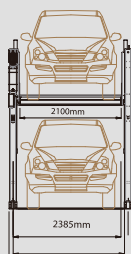
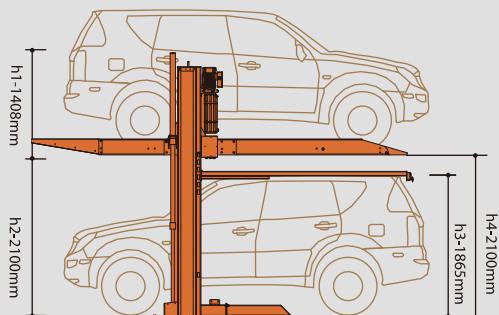


CTT



Two Post Parking Lift Hydro-Park 1132

Lifting capacity	3200kg/7000lbs
Lifting height	2100mm/83inches
Usable platform width	2100mm/83inches
Power Unit	3Kw hydraulic pump
Available voltage of power supply	100V-450V, 1 or 3 Phase, 50/60Hz
Operation mode	Key switch
Operation voltage	24V
Safety lock	Dynamic anti-falling lock
Lock release	Electric auto release
Rising/descending speed	<40s
Finishing	Powder coating



- 3200kg capacity for different demands
- Middle post sharing feature save cost and space
- Dynamic mechanical locks as "all the way" anti-falling device hold the platform in place
- Galvanized and corrugated platform guarantee safety and long lifetime
- Anti-slip corrugated deck protect both vehicle and driver from possible slip and damage but still high-heel shoe friendly
- Dual hydraulic lifting cylinders direct drive
- The pole with piston is chroming to anti-corrode to ensure its long using life
- Individual hydraulic power pack and control panel
- Self-standing and self-support structure
- Symmetrical designed column

- Special designed control arm for operator to control the lift without getting under the platform
- Synchronization chain assuring the lifting platform balance
- Electric key switch for security and safety
- A unique "LOCK DOWN" button for platform sitting on locking tab to protect cylinder
- Automatic shut-off if operator releases the key switch
- Manual lock release available in case electricity failure
- Platform can be stopped at different heights to fit for various vehicles and ceiling heights
- Hydraulic overloading protection

Certified by

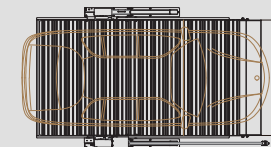
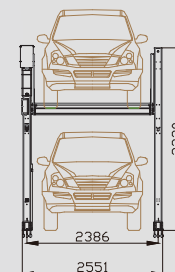
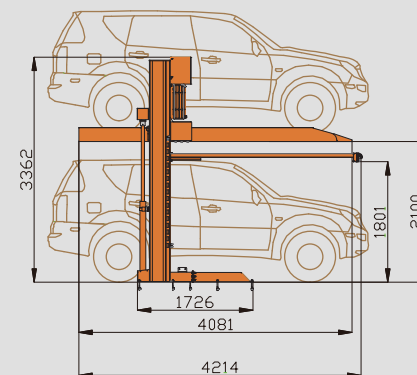


Two Post Parking Lift Hydro-Park 1127

Lifting capacity	2700kg/6000lbs
Lifting height	2100mm/83inches
Usable platform width	2100mm/83inches
Power Unit	3Kw hydraulic pump
Available voltage of power supply	100V-450V, 1 or 3 Phase, 50/60Hz
Operation mode	Key switch
Operation voltage	24V
Safety lock	Dynamic anti-falling lock
Lock release	Electric auto release
Rising/descending speed	<40s
Finishing	Powder coating

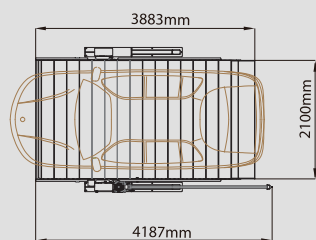
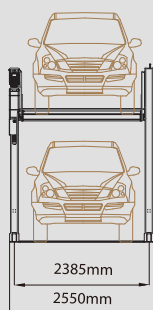
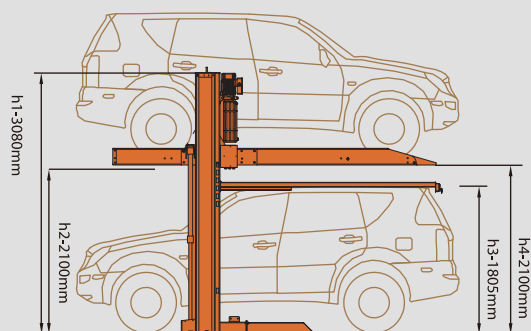
- 2700kg capacity for most types of vehicles
- Self-standing and self-support structure
- Symmetrical designed column
- Middle post sharing feature saves cost and space
- Galvanized and corrugated platform guarantee safety and long lifetime
- Anti-slip corrugated deck protect both vehicle and driver from possible slip and damage but still high-heel shoe friendly
- Single hydraulic lifting cylinder with chain as driven system makes movement faster and more smooth
- Individual hydraulic power pack and 24V safety control panel

- Synchronization chain assuring the lifting platform balance
- Electric key switch for security and safety
- Unique "LOCK DOWN" button for platform sitting on locking tab to protect cylinder
- Automatic shut-off once operator releases the key switch
- Dynamic mechanical locks as anti-falling device hold the platform in place all the way
- Manual lock release available in case electricity failure
- Platform can be stopped at different heights to fit for various vehicles and ceiling heights
- Photocell sensor detection could stop operation if any vehicle under platform
- Hydraulic overloading protection



Two Post Parking Lift Hydro-Park 1123

Lifting capacity	2300kg/5000lbs
Lifting height	2100mm/83inches
Usable platform width	2100mm/83inches
Power Unit	2.2Kw hydraulic pump
Available voltage of power supply	100V-450V, 1 or 3 Phase, 50/60Hz
Operation mode	Key switch
Operation voltage	24V
Safety lock	Dynamic anti-falling lock
Lock release	Electric auto release
Rising/descending speed	<40s
Finishing	Powder coating



- 2300kg capacity for most types of vehicles
- Self-standing and self-support structure
- Symmetrical designed column
- Middle post sharing feature saves cost and space
- Galvanized and corrugated platform guarantee safety and long lifetime
- Anti-slip corrugated deck protect both vehicle and driver from possible slip and damage but still high-heel shoe friendly
- Single hydraulic lifting cylinder with chain as driven system makes movement faster and more smooth
- Individual hydraulic power pack and 24V safety control panel
- Synchronization chain assuring the lifting platform balance

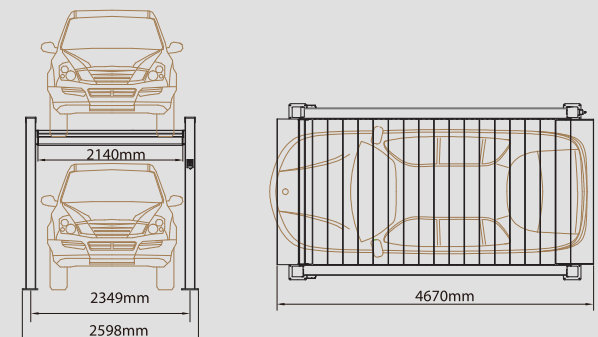
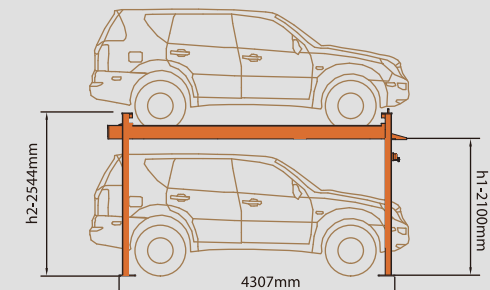
- Electric key switch for security and safety
- Unique "LOCK DOWN" button for platform sitting on locking tab to protect cylinder
- Automatic shut-off once operator releases the key switch
- Dynamic mechanical locks as anti-falling device hold the platform in place all the way
- Manual lock release available in case electricity failure
- Platform can be stopped at different heights to fit for various vehicles and ceiling heights
- Photocell sensor detection could stop operation if any vehicle under platform
- Hydraulic overloading protection

Certified by



Four Post Parking Lift Hydro-Park 2130

Lifting capacity	3000kg/6600lbs
Lifting height	2100mm/83inches
Usable platform width	2140mm/84inches
Power Unit	2.2Kw hydraulic pump
Available voltage of power supply	100V-450V, 1 or 3 Phase, 50/60Hz
Operation mode	Key switch
Operation voltage	24V
Safety lock	Dynamic anti-falling lock
Lock release	Electric auto release
Rising/descending speed	< 40s
Finishing	Powder coating

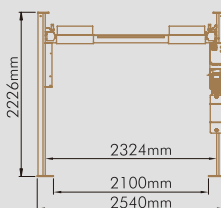
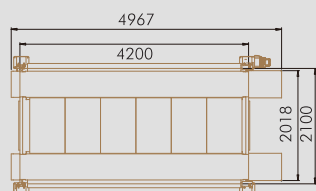
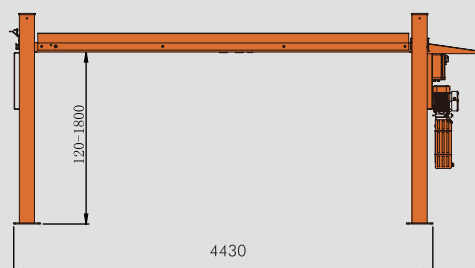


- 3000kg capacity makes it possible for all SUVs
- Commercial grade design
- 2150mm usable platform width make it much easier for parking and retrieve
- Galvanized and corrugated platform guarantee safety and long lifetime
- Anti-slip corrugated deck protect both vehicle and driver from possible slip and damage but still high-heel shoe friendly
- Hydraulic cylinder and chain drive system for smooth operation
- The pole with piston is chroming to anti-corrode to ensure its long using life

- Individual hydraulic power pack and control panel, both covered in the back of platform for security and rainproof
- Self-standing and self-support structure
- Can be relocated
- Electric key switch for security and safety
- A new "LOCK DOWN" button for platform sitting on locking tab to protect cylinder
- Automatic shut-off if operator releases the key switch
- Dynamic mechanical locks as "all the way" anti-falling device hold the platform in place
- Platform can be stopped at different heights to fit for various vehicles and ceiling heights
- Hydraulic overloading protection

Four Post Parking Lift Hydro-Park 2236

Lifting capacity	3600kg/8000lbs
Lifting height	1800mm/71 inches
Usable platform width	2100mm/83 inches
Power Unit	2.2Kw hydraulic pump
Available voltage of power supply	100V-450V, 1 or 3 Phase, 50/60Hz
Operation mode	Key switch
Operation voltage	24V
Safety lock	Dynamic anti-falling lock
Lock release	Electric auto release
Rising/descending speed	<55s
Finishing	Powder coating



- 3600kg capacity makes it possible for heavy duty vehicles.
- Commercial grade design
- 2100mm usable platform width makes it much easier for parking and retrieve.
- Unique mechanical detection will stop platform at once in case steel rope is loosen or cut off.
- Anti-slip diamond plates as drive way
- Lateral protection plates at two sides of platform will prevent vehicles going out.
- Electric key switch control for security and safety
- Automatic shut-off if operator releases the key switch
- LOCK DOWN button makes platform sit on locking

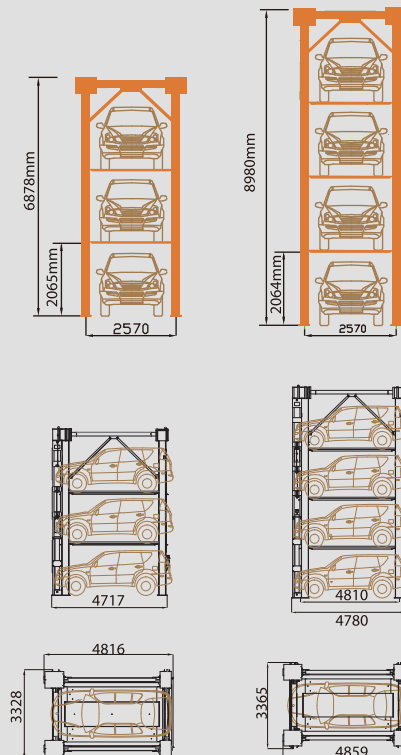
- tabs to increase safety and rest the cylinder for longer lifetime.
- Hydraulic cylinder and steel rope drive system for smooth operation
- The pole with piston is chroming to anti-corrode to ensure its long using life
- Self-standing and self-support structure
- Dynamic mechanical locks as anti-falling device hold the platform in place
- Platform can be stopped at different heights to fit for various vehicles and ceiling heights
- Hydraulic overloading protection



Four Post Stacker Parking Lift Hydro-Park 3130/3230

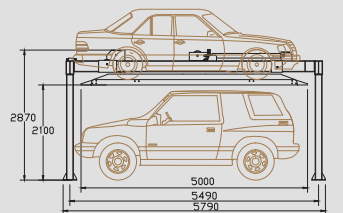
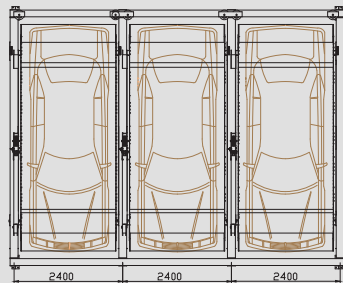
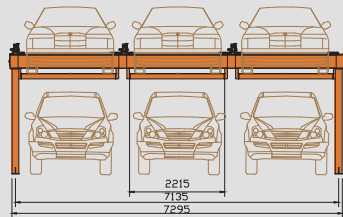
Available vehicle parking	3 cars/4cars
Lifting speed	<90s/<150s
Rated capacity	3000kg
Drive-through width	2050mm
Available vehicle height	2000mm
Operation mode	Key switch
Lock release	Manual with handle
Drive mode	Hydraulic cylinder + steel ropes
Pump power	7.5Kw
Finishing	Powder coating
Control voltage	24V
Power supply	208 – 450V, 3 phase, 50/60Hz

- 3000kg capacity for both SUV and sedan
- Commercial grade design,suitable for both car parking and storage
- Four levels maximum
- One complete steel plate design for platform
- Single hydraulic cylinder with steel ropes drive
- Central hydraulic power pack and individual control panel
- Self-standing and self-support structure
- Middle post sharing feature save cost and space
- Electric key switch for security and safety
- Automatic shut-off if operator releases the key switch
- Mechanical lock on cylinder as anti-falling safety device
- Hydraulic overload protection



No Post Valet Parking System Hydro-Park 4127

Lifting capacity	2700kg/6000lbs
Lifting height	2120mm/71 inches
Usable platform width	2100mm/83 inches
Hydraulic pump	5.5Kw
Available voltage of power supply	200V-450V, 3 Phase, 50/60Hz
Operation mode	Key switch
Operation voltage	24V
Safety lock	Anti-falling lock & double wire ropes system
Lock release	Electric auto release
Rising/descending speed	<55s
Finishing	Powder coating



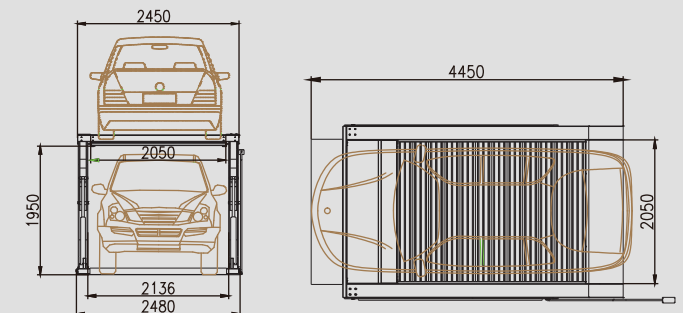
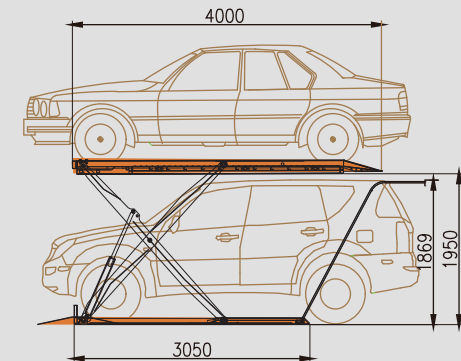
- 2700kg capacity allows most types of vehicles.
- Absence of steel support legs or columns decreases opportunity for damage to vehicle doors
- Zero obstructions between vehicles when platforms are up
- No load on open slab floor, maintaining integrity of supporting structure
- Tripping hazards eliminated due to lower side rail/curb profile and lack of center posts
- Elimination of platform edges reduces danger of cut shoes or injury to feet
- Galvanized platform with wave plate for better parking
- No greasy components, switches or controls near parking process ensures safety of valets
- System is customizable to accommodate vehicle length, width, height and weight Dramatically increased speed of use and quieter operation

- Allows elevated vehicles to be parked over drive aisle
- System can be installed on a sloped slab, increasing usability of existing space
- Lower energy costs for economical operation
- Enhanced safety sensors include sound and light warning devices
- Photo-Electric detection devices indicate parking area encroachment, if a vehicle is blocking the lowering of a platform or if a vehicle is over-height
- Can be fully integrated into structure
- Dramatically increased profitability with addition of parking spots
- Can greatly reduce base square foot requirements to save in construction costs



Scissor Parking Lift Hydro-park 5120

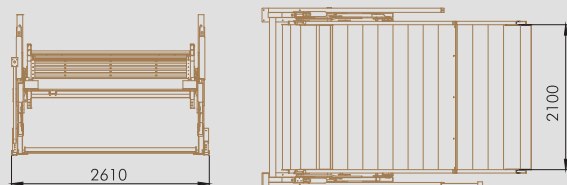
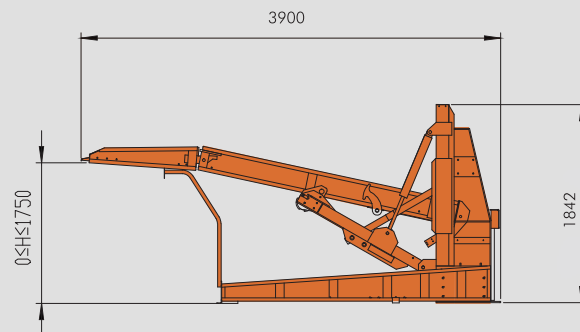
Vehicle size	5000mmX1850mmX1900mm
Vehicle weight	≤2000Kg
Lifting height	1950mm
Lock mode	Dynamic lock
Drive mode	Hydraulic
Surface treatment	Powder coating
Control power	24V
Lifting time	50S
Lowering time	45S
Voltage	380V/220V
Motor power	2.2kw



- Aesthetic design with cylinders hidden in posts;
- No posts erecting after platform shuts down
- Easier installation with scissor structure;
- Dynamic lock safety feature to protect your vehicle during all raising or lowering process;
- Automatic lock releasing by electromagnets;
- Automatical balance system with one-stage double cylinders;
- low noise and steady operation;
- Small floor space occupied;
- Galvanized & anti-slip platform with long usage;
- suitable for home garage, 4S auto mall and republic parking lots;
- DC 24V operation panel with CE certified;
- Photocell sensor will stop movement for any accidental enter of kids or animals;

Two Post Tilting Parking Lift TPTP-2

Vehicle size	5000mmX1850mmX1550mm
Vehicle weight	≤2000Kg
Lifting height	1600mm
Lock mode	Position lock
Drive mode	Hydraulic
Surface treatment	Powder coating
Control power	24V
Lifting time	24S
Lowering time	24S
Voltage	380V/220V
Motor power	2.2kw



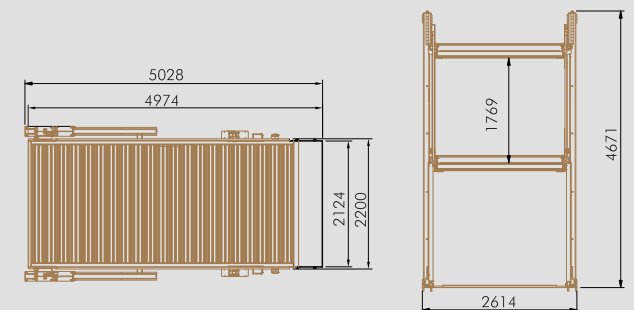
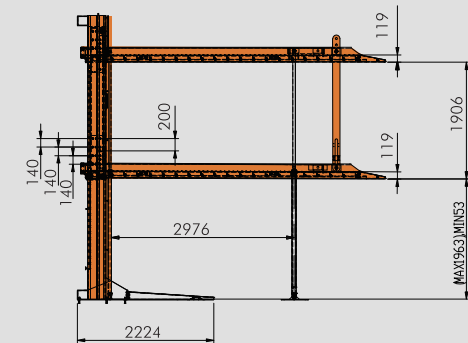
- Designed for low ceiling height
- 2000kg capacity, suitable for sedan only
- Galvanized platform with wave plate for better parking
- 10 degree tilting platform
- Dual hydraulic lifting cylinders direct drive
- Individual hydraulic power pack and panel
- Self-standing and self-support structure
- Can be moved or relocated
- Electric key switch for security and safety
- Automatic shut-off if operator release the key switch

- Both electrical and manual lock release for your choice
- Maximum lifting height adjustable to fit for different ceiling height
- Mechanical anti-falling lock on top position
- Hydraulic overload protection



Pit Two Post Parking Lift PTPP-2

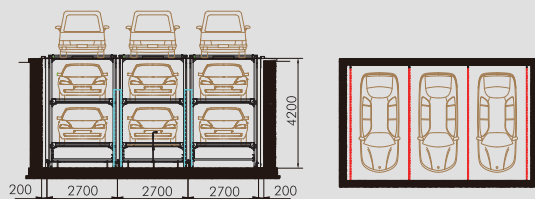
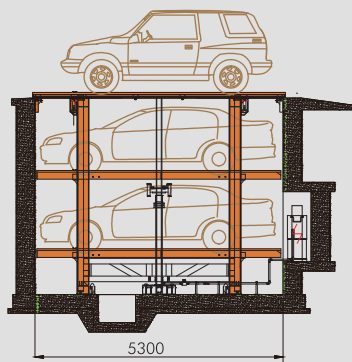
Lifting capacity	2000kg/4400lbs
Lifting height	1900mm/75inches
Usable platform width	2100mm/83inches
Power Unit	3Kw hydraulic pump
Available voltage of power supply	100V-450V, 1 or 3 Phase, 50/60Hz
Operation mode	Key switch
Operation voltage	24V
Safety lock	Dynamic anti-falling lock
Lock release	Electric auto release
Rising/descending speed	<55s
Finishing	Powder coating



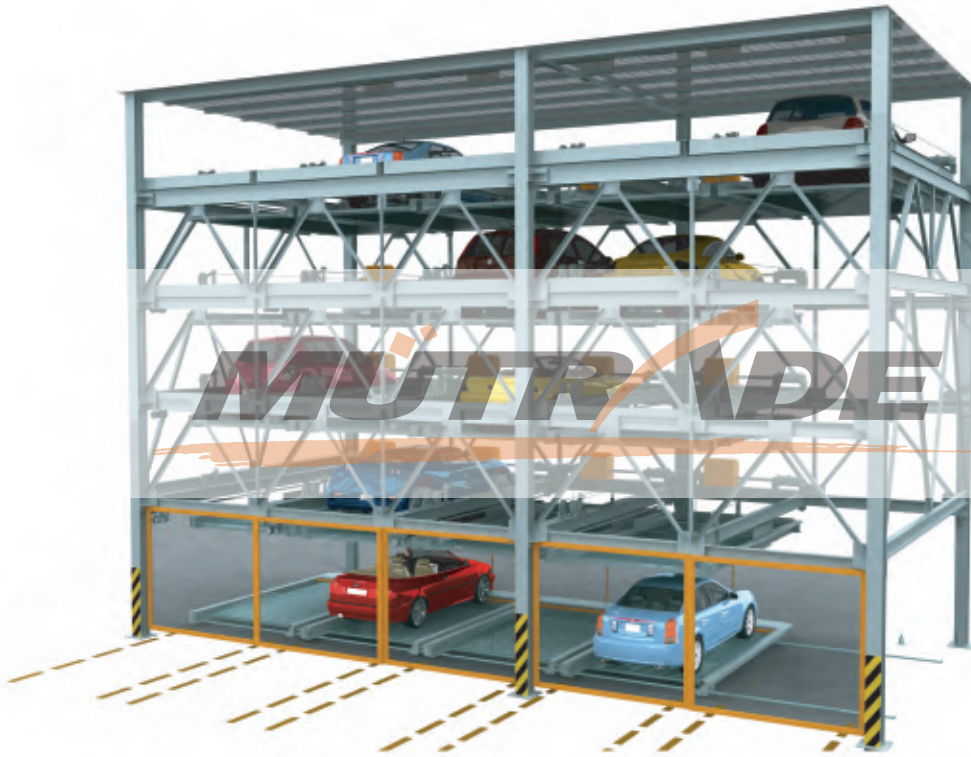
- New commercial grade design released to the market
- Galvanized platform with wave plate for better parking
- Dual master & slave hydraulic lifting cylinders direct drive
- Individual hydraulic power pack and control panel
- Pit and back wall needed for structure supporting
- 2000kg capacity for sedan only
- Middle post sharing feature save cost and space
- Electric key switch for security and safety
- Automatic shut-off if operator releases the key switch
- Balance chain synchronization
- Single & double stacker for your choice
- Hydraulic overload protection

Pit Four Post Parking Lift PFPP

Parking vehicle	2 / 3
Motor power	2.2kw /3.7kw
Lifting capacity	2000kg/space
Usable Vehicle Size (mm, LxWxH)	5000x1850x1550
Finishing	Powder coating
Lock release	Auto
Operation	Button / IC card / Manual
Power supply	380v, 3P, 50/60Hz

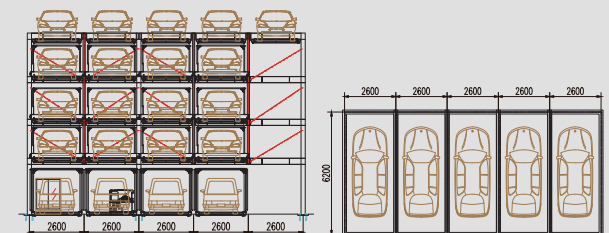
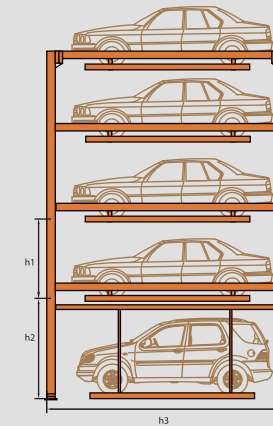


- Both commercial use and home use suitable
- Three levels underground maximum
- Galvanized platform with wave plate for better parking
- Both hydraulic drive and motor drive available
- Central hydraulic power pack and control panel,with PLC control system inside
- Code, IC Card and manual operation available
- 2000kg capacity for sedan only
- Middle post sharing feature save cost and space
- Anti-falling ladder protection
- Hydraulic overload protection



Bi-Directional Parking System BDP Series

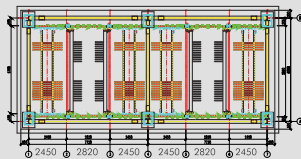
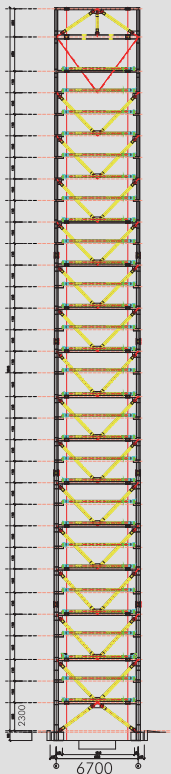
Levels	2 -15
Available Vehicle Size	5000mm x 1850mm x 1550mm (LxWxH) *can be customized to fit for SUV
Drive mode	Hydraulic Cylinder + Steel Cable
Lifting capacity	2000kg *can be customized to fit for SUV
Hydraulic pump power	4Kw 11Kw 15Kw
Lifting speed	8-12m/min 15-18m/min 22-28m/min
Sliding speed	7.5m/min
Control	Omron PLC system
Operation	Button, IC cards, or manual, with LED display
Finishing	Sand blasting, Zinc spray, then Surface painting for protection



- Commercial grade design
- Galvanized platform with wave plate for better parking
- 15 levels above ground for all sedan maximum, or 5 levels above ground for all SUV maximum
- Can be mixed with 3 levels underground
- Hydraulic cylinder with steel rope drive
- Fast lifting and descending speed
- Patented hydraulic variable frequency speed control technology to smoothly approaching ground
- Central hydraulic power pack and control panel, with PLC control system inside
- Code, IC Card and manual operation available
- 2000kg capacity for sedan system, and 2500kg capacity for SUV system
- Patented anti-falling frame protection
- Hydraulic overload protection

Automatic Tower Parking System ATP series

Levels of System	35 levels max	
Car Size(L×W×H)	≤5300mm×1900mm×1550mm	
Car Weight	2200kg	
Mode of Operation	Auto/Manual	
Speed of Operation	Lift	60-120m/min
	Slide	7.5m/min
	Turning	4rpm
Motor power	Lift	30kw
	Slide	0.2kw
	Turning	1.5kw

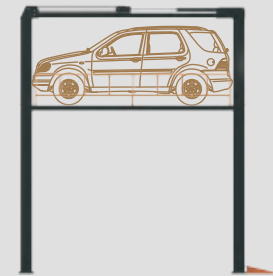


- New developed high levels commercial parking design
- 35 levels above ground maximum
- Comb pallet for better vehicle tires protection
- Both hydraulic cylinder and traction drive available for your choice
- Fast lifting and descending speed
- Patented hydraulic variable frequency speed control technology to smoothly approaching ground
- Central hydraulic power pack and control panel, with PLC control system inside
- Code, IC Card and manual operation available
- 2000kg capacity as standard, and 2500kg capacity available
- Hydraulic overload protection



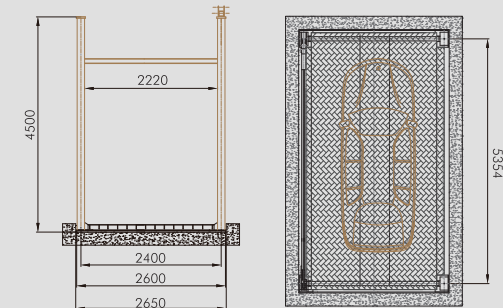
Four Post Vertical Reciprocating Conveyor FP-VRC

Lifting capacity	2,000-5,000 kg
Lifting height	2,000-12,000mm
Platform length	2000mm-6000mm
Platform width	2000mm-5000mm
Platform material	Diamond steel sheet (standard) / 4mm Aluminum steel sheet (optional)
No. of level	according to your requirement
Drive mode	Hydraulic(cylinder with double steel chains)
Operation	button switch (standard) / remote controller (optional)
Power pack	4 kw hydraulic power pump
Lifting speed	4m/min
Safety devices	Mechanical anti-falling lock
Finishing	Paint spray
Color	according to your requirement



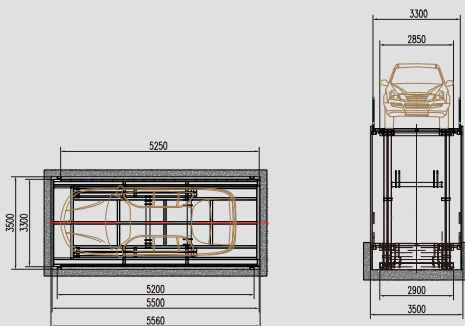
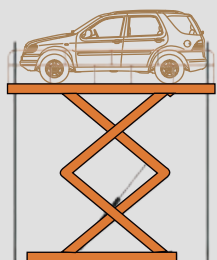
-VRC (Vertical Reciprocating Conveyor) is a transportation conveyor moving car from one floor to another, it is a highly customized product, which could be customized according to customer's different requirements from lifting height, lifting capacity to platform size!
-FP-VRC is a kind of car or goods lift, and industry use vertical table lift
-Self-standing and self-support structure
-Hydraulic cylinder + steel chains drive system
-High precision and stable hydraulic drive system

-Automatic shut-off if operator releases the button switch
-Double chain design for higher safety
-High density chains with longer service life
-Remote control is optional
-Top quality diamond steel plate
-Hydraulic overloading protection available



Scissor Vertical Reciprocating Conveyor S-VRC

Lifting capacity	2,000-10,000 kg
Lifting height	2,000-15,000mm
Platform length	2000mm-6000mm
Platform width	2000mm-5000mm
Platform material	Diamond steel sheet (standard) / 4mm Aluminum steel sheet (optional)
No. of level	according to your requirement
Drive mode	Hydraulic(cylinder with double steel chains)
Operation	button switch (standard) / remote controller (optional)
Power pack	4 kw hydraulic power pump
Lifting speed	4m/min
Safety devices	Mechanical anti-falling lock
Finishing	Paint spray
Color	according to your requirement



VRC (Vertical Reciprocating Conveyor) is a transportation conveyor moving car from one floor to another, it is a highly customized product, which could be customized according to customer's different requirements from lifting height, lifting capacity to platform size!

- S-VRC is a kind of car or goods lift, and industry use vertical table lift
- A foundation pit is needed for S-VRC
- The ground will be flat after S-VRC descend to bottom position

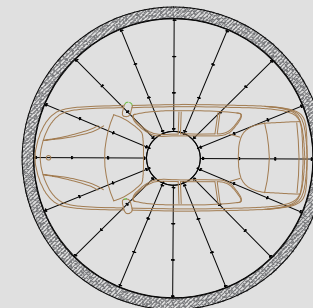
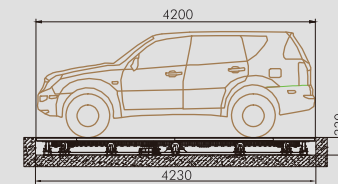
- Hydraulic cylinder direct drive system
- Double cylinder design
- High precision and stable hydraulic drive system
- Automatic shut-off if operator releases the button switch
- Small space occupation
- Pre-assembled structure makes easier installation
- Remote control is optional
- Double levels of platforms are available to have more parking
- Top quality diamond steel plate
- Hydraulic overloading protection available



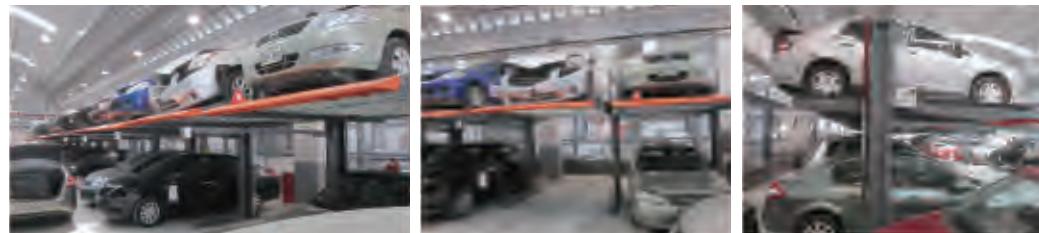
Car Turn Table CTT

Drive mode	Electric motor
Diameter	1.2-35m *can be customized according to customers' requirements
Loading capacity	1-20ton *can be customized according to customers' requirements
Motor power	0.75kw *can be customized according to customers' requirements
Voltage	380v, 50hz, 3P *can be customized according to customers' requirements
Turning speed	0.2-2rpm
Turning angle	360 any direction
Min. height	180/320mm
Finishing	Paint spray
Color	Customized
Coverage of platform	Diamond plate / Aluminium alloy plate / Stainless steel plate / Acrylic plate *can be customized according to customers' requirements
Operation	Button/ remote control/PLC * can be customized according to customers' requirements
Metal processing	Laser cutting

- We customize car turntable for you under your specification.
- Diameter of the table (form 1.2 to 35 meters)
- Turning speed and angle (0.2-2 rpm)
- Capacity form 1 ton to 20 tons
- Variety surface option



Hydro-Park 1127
Two Post Parking Lift
Lima, Peru



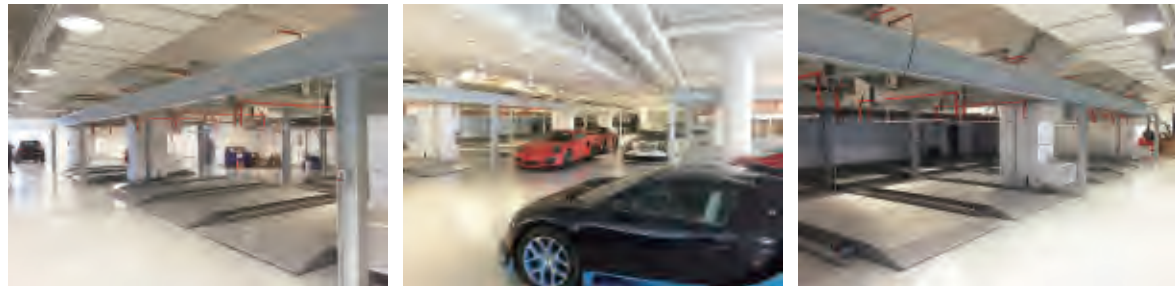


Hydro-Park 3230
Four Post Stacker Parking Lift
Lexus 4S, United States



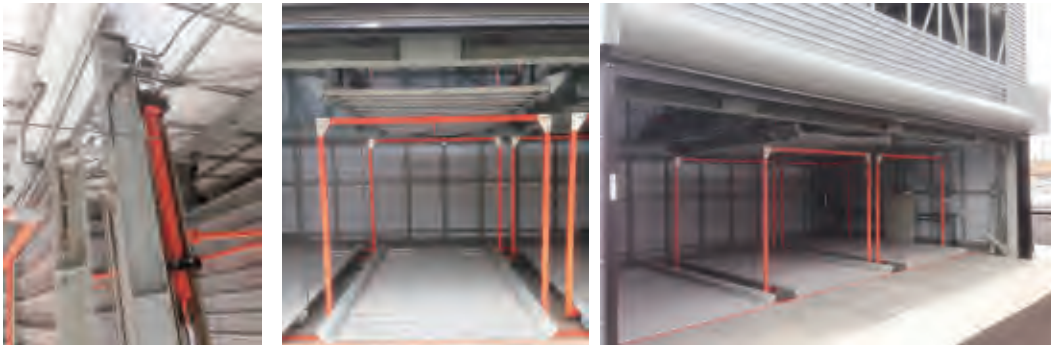


Hydro-Park 4127
No Post Valet Parking System
Porsche 4S, United States





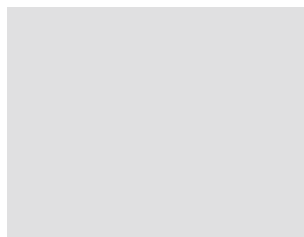
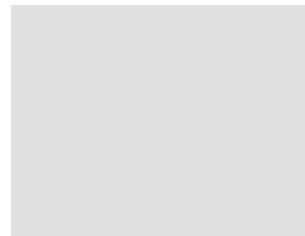
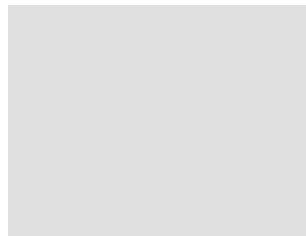
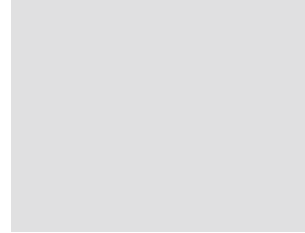
BDP-3
Bi-Directional Parking System
Chicago, United States



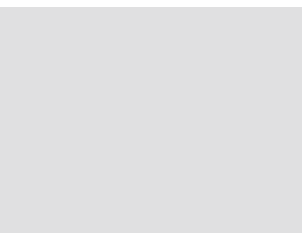
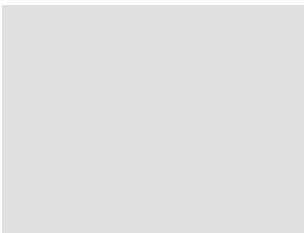
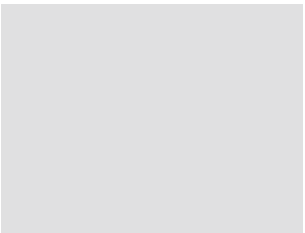
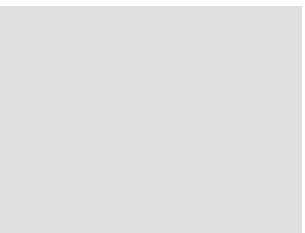
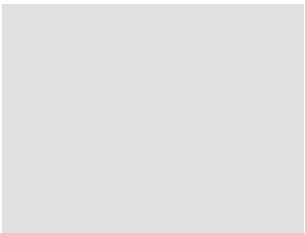
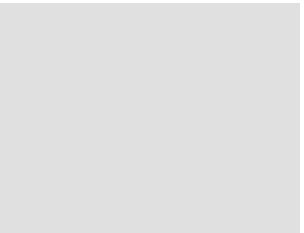
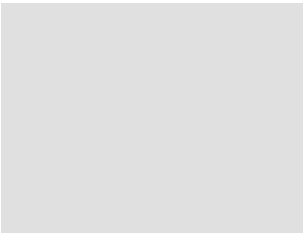
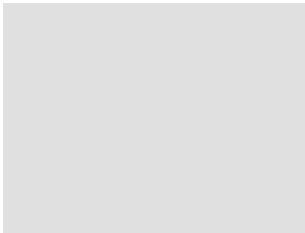
BDP-4
Bi-Directional Parking System
Tehran, Iran



PROJECT REFERENCE EXHIBITION



PROJECT REFERENCE EXHIBITION





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