

## MECHANICAL GARAGE

WE PLAN , DESIGN, MANUFACTURE AND INSTALL...



---

## 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





## PRODUCT RANGE



## Two Post Parking Lift

Hydro-Park 1127

### Feature:

- 2700kg capacity for different demands
- Commercial grade design
- Middle post sharing feature save cost and space
- Dynamic mechanical locks as 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 new "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 overload protection



### Parameter

Model	Hydro-Park 1127
Lifting capacity	2700kg
Equipment weight	1100kg
Lifting height	2100mm
Usable platform width	2100mm
Electrical required	220-450V, 1 or 3Phase, 50/60Hz
Control power	24V
Lock device	Dynamic
Lock release	Electric auto release
Operation	Key switch
Power pack	2.2 kw hydraulic power pump
Lifting/lowing time	50/45 Sec.
Finishing	Powder coating

## Hydro-Park 1123

## Two Post Parking Lift

## Feature:

- 2300kg capacity for small SUVs
- Commercial grade design
- Middle post sharing feature save cost and space
- Dynamic mechanical locks as 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
- Single hydraulic lifting cylinder with chains as driven system
- 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 new "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 overload protection



## Parameter

Model	Hydro-Park 1123
Lifting capacity	2300kg
Equipment weight	1000kg
Lifting height	2100mm
Usable platform width	2100mm
Electrical required	220-450V, 1 or 3Phase, 50/60Hz
Control power	24V
Lock device	Dynamic
Lock release	Electric auto release
Operation	Key switch
Power pack	2.2 kw hydraulic power pump
Lifting/lowing time	50/45 Sec.
Finishing	Powder coating

## Four Post Parking Lift

Hydro-Park 2130

### Feature:

- 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 full 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-o if operator releases the key switch
- Dynamic mechanical locks as anti-falling device hold the platform in place
- Platform can be stopped at different heights to t for various vehicles and ceiling heights
- Hydraulic overload protection



### Parameter

Model	Hydro-Park 2130
Lifting capacity	3000kg
Equipment weight	1000kg
Lifting height	2100mm
Usable platform width	2150mm
Electrical required	220-450V, 1 or 3Phase, 50/60Hz
Control power	24V
Lock device	Dynamic
Lock release	Electric auto release
Operation	Key switch
Power pack	2.2 kw hydraulic power pump
Lifting/lowing time	50/45 Sec.
Finishing	Powder coating

## Hydro-Park 2236

## Four Post Stacker Parking Lift

## Feature:

- 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



## Parameter

Model	Hydro-Park 2236
Lifting capacity	3600kg
Equipment weight	800kg
Lifting height	1800mm
Usable platform width	2100mm
Electrical required	220-450V, 1 or 3Phase, 50/60Hz
Control power	24V
Lock device	Dynamic
Lock release	Electric auto release
Operation	Key switch
Power pack	2.2 kw
Lifting/lowing time	50/45 Sec.
Finishing	Powder coating

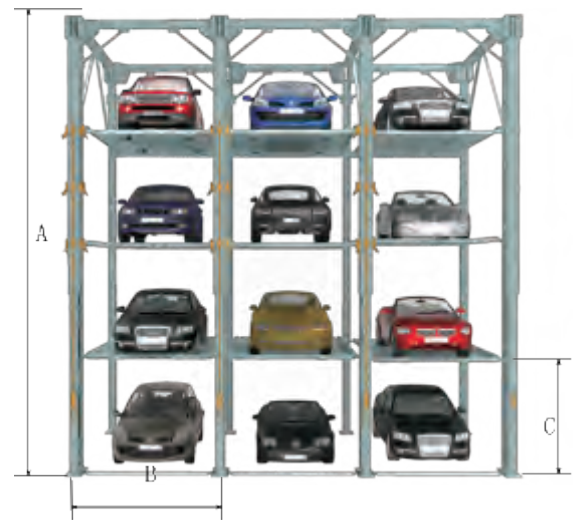


## Four Post Stacker Parking Lift

Hydro-Park 3230

### Feature:

- 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



### Parameter

#### Hydro-Park 3130

- › For 3 SUV
- › 3000kg capacity
- › A = 6110 mm
- › B = 2590 mm
- › C = 2060 mm
- › D = 4745 mm

#### Hydro-Park 3230

- › For 4 SUV
- › 3000kg capacity
- › A = 8140 mm
- › B = 2590 mm
- › C = 2060 mm
- › D = 4745 mm

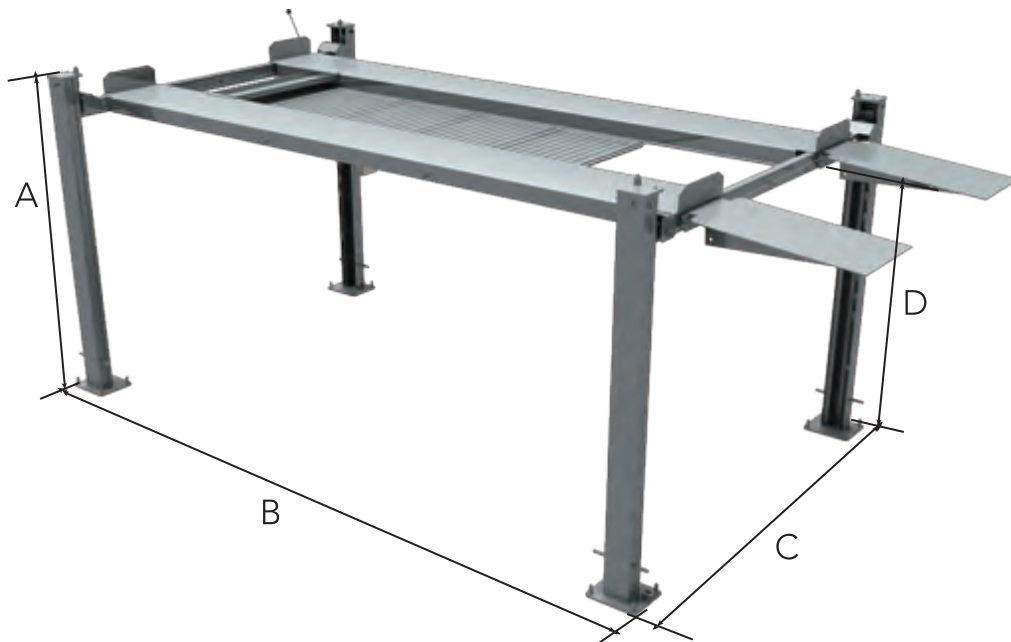


## FPP-2

## Four Post Parking Lift

### Feature:

- Home use design
- 3600kg capacity suitable for various demands
- Two diamond plate runways and ramps for each use
- Single hydraulic cylinder with steel ropes design
- Individual hydraulic power pack
- Self-standing and self-support structure
- Can be moved or relocated by caster kit easily
- Free jacking tray and drip trays provided
- Electrical key switch operation and lock release
- Manual operation and lock release is available as an option
- Dynamic mechanical locks as "all the way" anti-falling device hold the runways in place
- Hydraulic overload protection



### Parameter

#### FPP-2

- › 3600kg capacity
- › A = 2140 mm
- › B = 4455 mm
- › C = 2665 mm
- › D = 1840 mm
- › For 2 SUV

#### FPP-2 W

- › 3600kg capacity
- › A = 2385 mm
- › B = 4950 mm
- › C = 3100 mm
- › D = 2090 mm
- › For 2 SUV

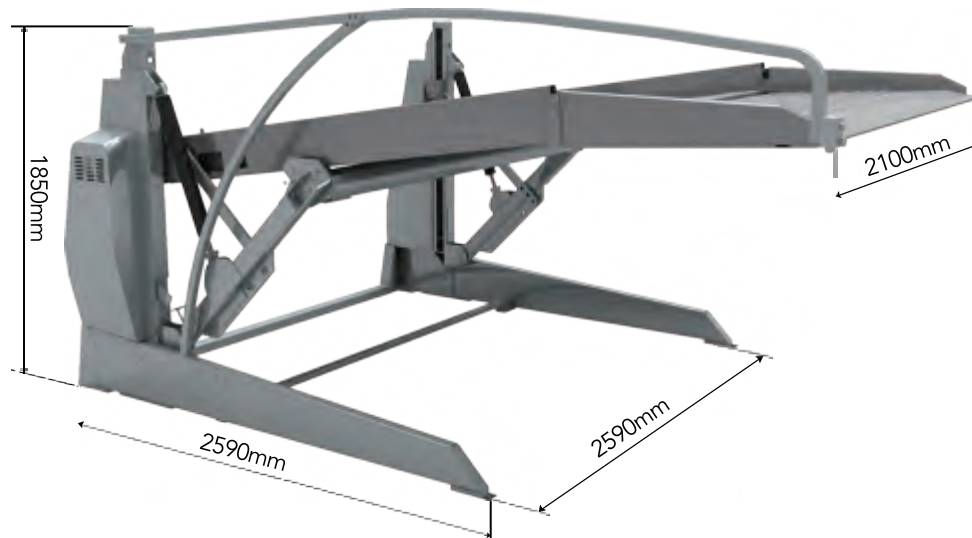


## Two Post Tilting Parking Lift

TPTP-2

### Feature:

- 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 control panel
- Self-standing and self-support structure
- Can be moved or relocated
- Electric key switch for security and safety
- Automatic shut-off if operator releases 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



### Parameter



### TPTP-2 Two Post Tilting Parking

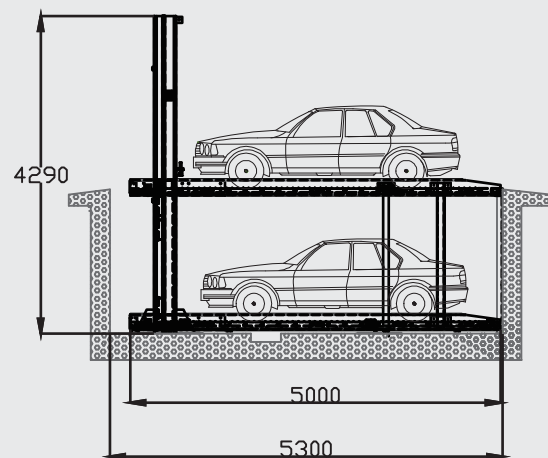
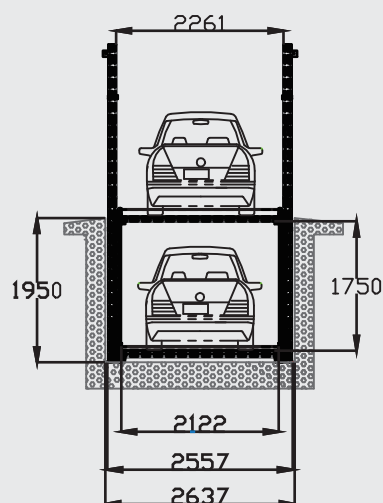
- › 2000kg capacity
- › For 2 Sedan
- › Available for min. ceiling height of 2850mm

## PTPP-2

## Pit Two Post Parking Lift

### Feature:

- 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





# Bi-Directional Parking System

BDP

## Feature:

- 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



Government project in China



Beijing project

## ATP

## Automatic Tower Parking System

## Feature:

- 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
- 2200kg capacity as standard, and 2500kg capacity available
- Hydraulic overload protection

## Parameter

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	60m/min/120m/min
	Slide	7.5m/min
	Turning	4rpm
Motor power	Lift	30kw
	Slide	0.2kw
	Turning	1.5kw



Factory prototype



Hospital project in Beijing

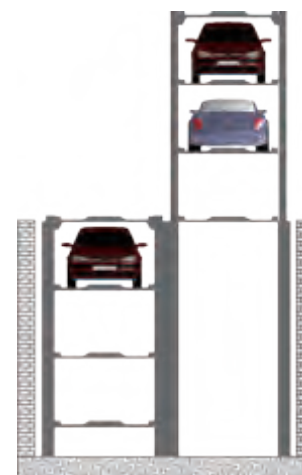
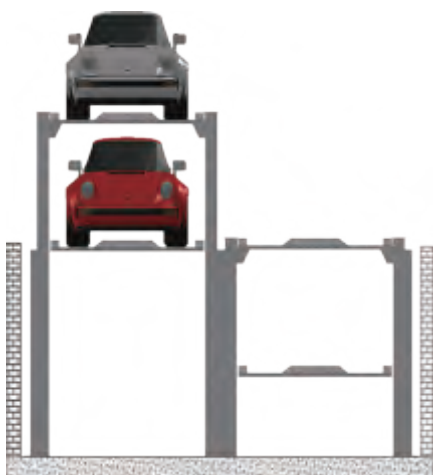


## Pit Four Post Parking Lift

PFPP

### Feature:

- 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



### Parameter

Parking	Type	PFPP-2	PFPP-3	PFPP-4
Dimensions (mm)	Single Vehicle Weight(kg)	≤ 2000	≤ 2000	≤ 2000
	a	2500/2700	2500/2700	2500/2700
	b	≤ 5400/5800	≤ 5400/5800	≤ 5400/5800
	Length of the platform	5400	5400	5400
	d	2300/2500	4000/4200	NA/5900
Drive Mode		Motor/Hydraulic		Hydraulic
Motor	(kw)	4	5.5	7.5
	Vertical speed(seconds)	<60		

**S-VRC****Vertical Reciprocating Conveyor****Feature:**

- 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 customers' 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

**Parameter**

Model	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



# Vertical Reciprocating Conveyor

## FP-VRC

### Feature:

- 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 customers' 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 lift
- Remote control is optional
- Top quality diamond steel plate
- Hydraulic overloading protection available



### Parameter

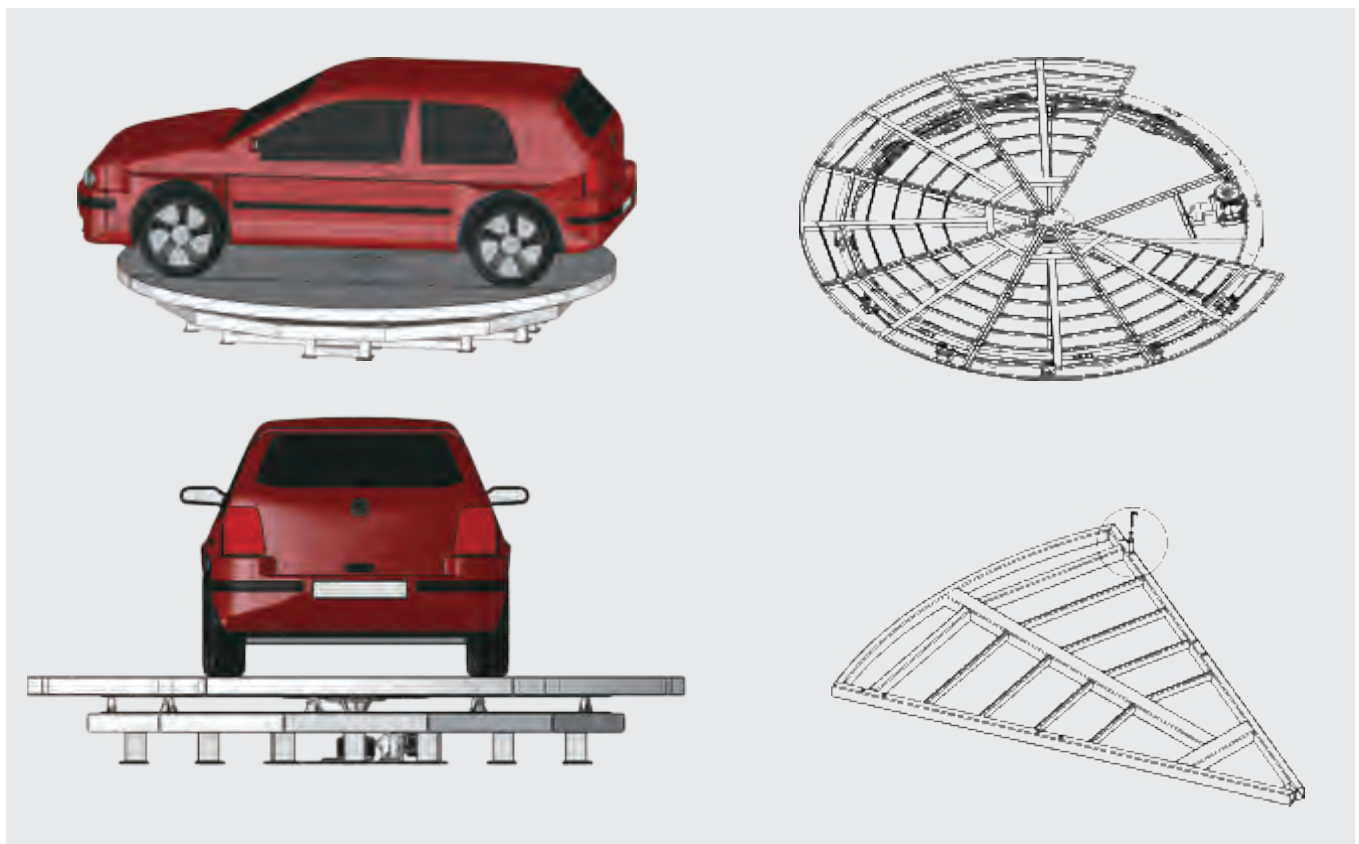
Model	FP-VRC
Lifting capacity	2,000-10,000 kg
Lifting height	2,000-12,000mm
Platform length	2000mm-6000mm
Platform width	2000mm-5000mm
Platform material	Diamond steel sheet (standard) / 4mm Aluminum steel sheet (optional)
No. of level	according to your requirement
Drive mode	Hydraulic(cylinder with double 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

## CTT

## Car Turn Table

### Feature:

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





## PROJECT REFERENCE

## Exhibition





**MUTRA IDE**



---

Qingdao Mutrade Co., Ltd.    Qingdao Hydro Park Machinery Co., Ltd.

Tel. : +86 532 6802 0357      Fax.: +86 532 6802 0355

Web: <http://www.qdmutrade.com>    <http://www.hydro-park.com>

Facebook: <http://www.facebook.com/qdmutrade>

Youtube: <http://www.youtube.com/qdmutrade>

Address: No. 106 Haier Road, Tongji Street Office, Jimo, Qingdao, P.R. China 266200