

WE PLAN , DESIGN, MANUFACTURE AND INSTALL...  
PROFESSIONAL PARKING SOLUTION PROVIDER!



# MECHANICAL GARAGE



Qingdao Mutrade Co., Ltd. is established in year 2009 to provide the professional mechanical parking solutions to the oversea market. We plan, design, develop, manufacture, install and technically support our clients all over the world.

Our group is one of the biggest mechanical parking equipment manufacturer in China, the group established in year 2001 started as the production base of KAWASAKI parking company. By year 2013, our group generated annual sales of 130 million USD, that is more than 36,000 parking spaces manufactured and installed worldwide. We are holding more than 57 national patents and ISO9001 with 3 years no accident record.







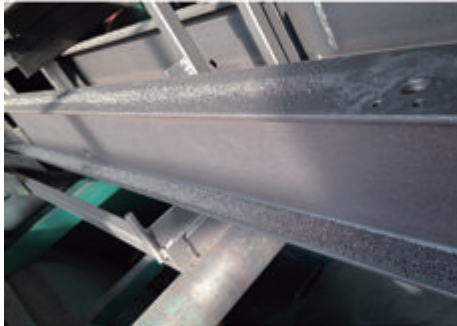
Laser cutting machine



Robot welding



Fire cutting machine



Sand blasting machine



Self-assemble cylinder



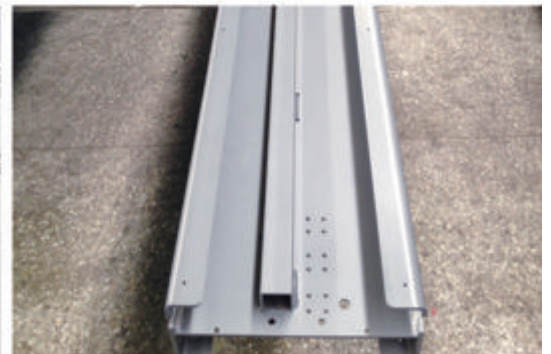
Self-assemble power pack



Side-beam forming



Punching machine



Powder coating finish



Cover plate forming



Warehouse





# PROJECT REFERENCE

## Exhibition



## Projects Samples

Country	Product	Quantity	Country	Product	Quantity	Country	Product	Quantity
USA	FPSP-4	60 spaces	Brazil	BDP-4	21 spaces	Bangladesh	TPP-2	18 units
USA	FP-VRC	1 unit	Australia	BD-1+2	13 spaces	Thailand	TPP-2	35 units
Canada	FPSP-4	72 spaces	Australia	FPP-2	48 units	Thailand	FP-VRC	2 units
Mexico	TPP-2	80 units	Australia	CTT	1 unit	Philippines	TPP-2	36 units
Mexico	FPSP-3	27 spaces	UAE	TPP-2	102 units	Israel	PFP-3	40 spaces
Colombia	TPP-2	31 units	UAE	CTT	2 units	UK	TPP-2	21 units
Colombia	BDP-4	36 spaces	India	PFP-2	18 spaces	Tanzania	S-VRC	4 units



TPP-2



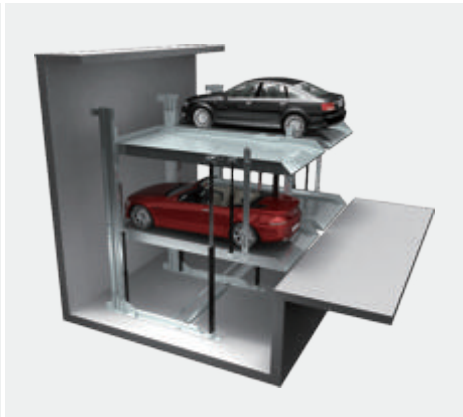
TTPP-2



FPP-2



FPSP



PTPP-2



PFPP



BDP-2



BDP-5



S-VRC



F-VRC



CTT



ATP



## TPP-2 Two Post Parking Lift 2 levels

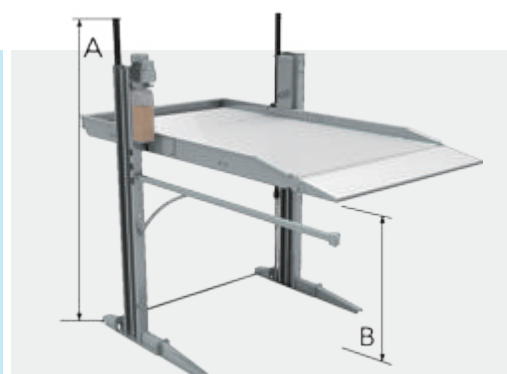
### Feature:

- Commercial grade design
- Galvanized platform with wave plate for better parking
- Dual hydraulic lifting cylinders direct drive
- Individual hydraulic power pack and control panel
- Self-standing and self-support structure
- Can be moved or relocated
- 2700kg, 2300kg and 2000kg capacity for different demands
- Middle post sharing feature save cost and space
- Electric key switch for security and safety
- Automatic shut-off if operator releases the key switch
- Dynamic mechanical locks as "all the way" anti-falling device hold the platform in place
- 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



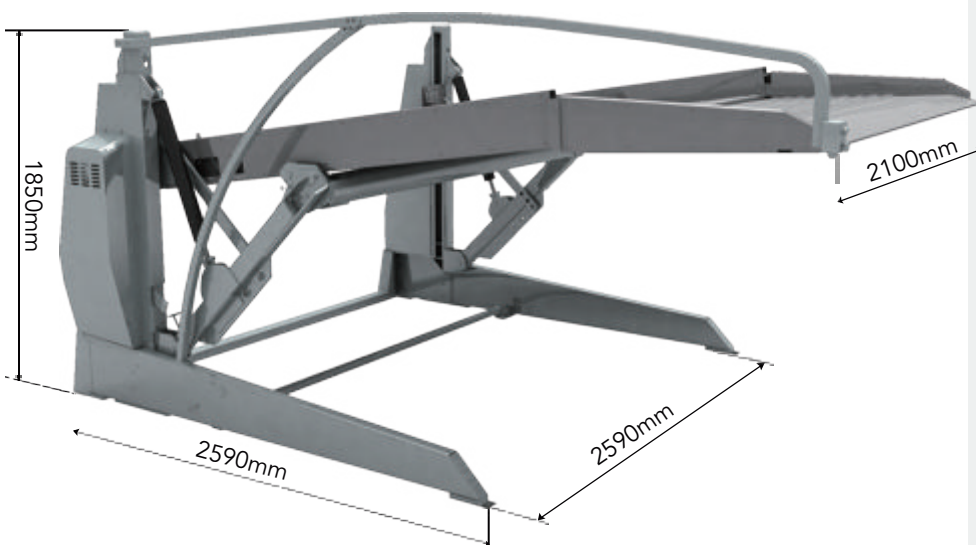
### Parameter

TPP-2	TPP-2 Li	TPP-2 SLi
› 2700kg capacity	› 2300kg capacity	› 2000kg capacity
› A = 3540 mm	› A = 3500 mm	› A = 3160 mm
› B = 2140 mm	› B = 2100 mm	› B = 1800 mm
› For 2 SUV	› For 1 SUV 1 Sedan	› For 2 Sedan

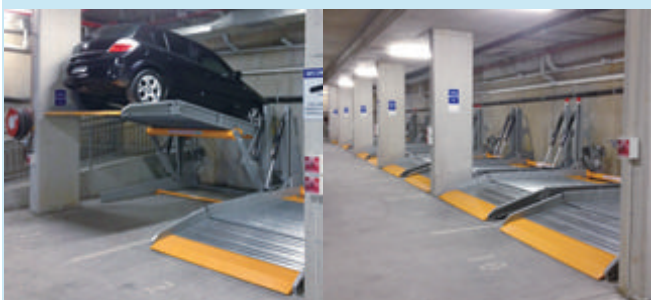


## Feature:

- Designed for low ceiling height
- 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
- 2000kg capacity, suitable for sedan only
- 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 overloading protection



## Parameter



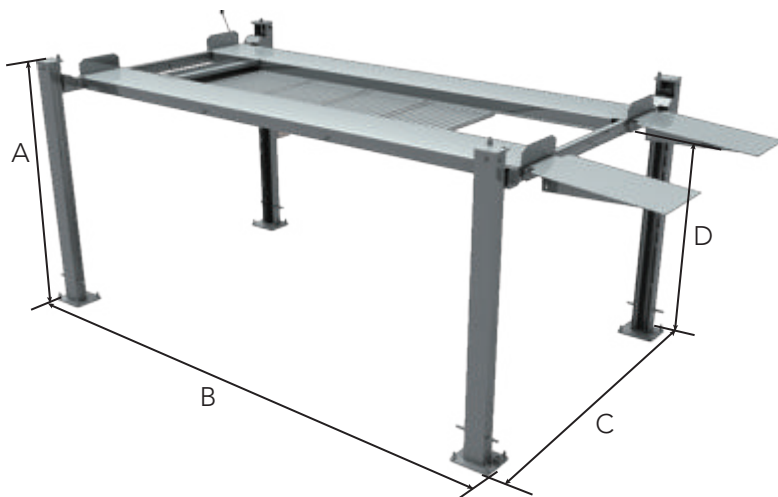
### TPTP-2 Two Post Tilting Parking

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

## FPP-2 Four Post Parking Lift 2 levels

### Feature:

- Home use design
- 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
- 3600kg capacity suitable for various demands
- Manual operation and lock release
- Dynamic mechanical locks as "all the way" anti-falling device hold the runways in place
- Hydraulic overloading protection



### Parameter

#### FPP-2

- › 3600kg capacity
- › A = 2140 mm
- › B = 4455 mm
- › C = 2665 mm
- › D = 1840 mm
- › For 1 SUV 1 Sedan

#### FPP-2 W

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



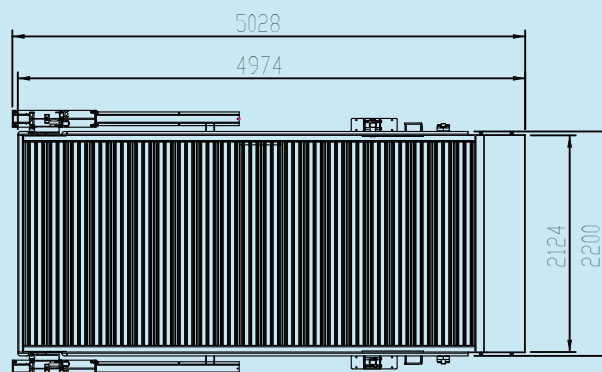
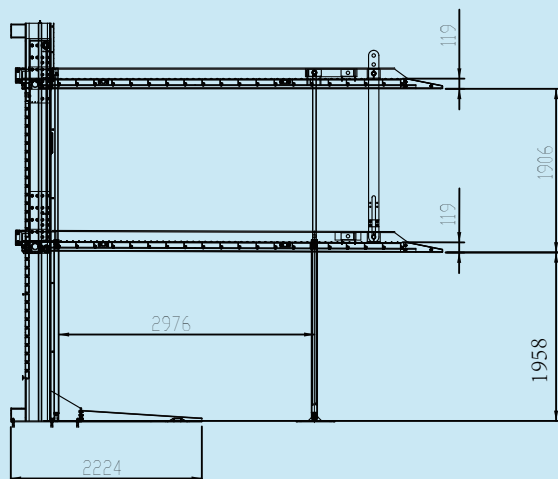


## Feature:

- 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 overloading protection



## Profile

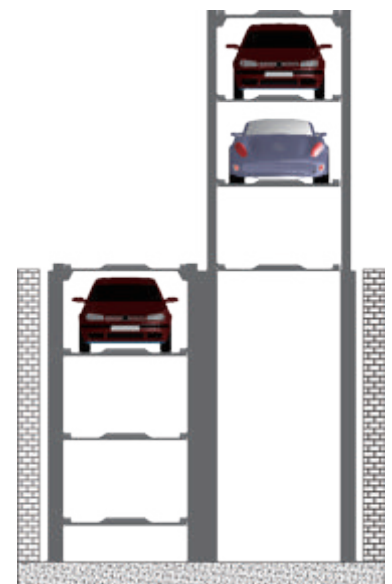
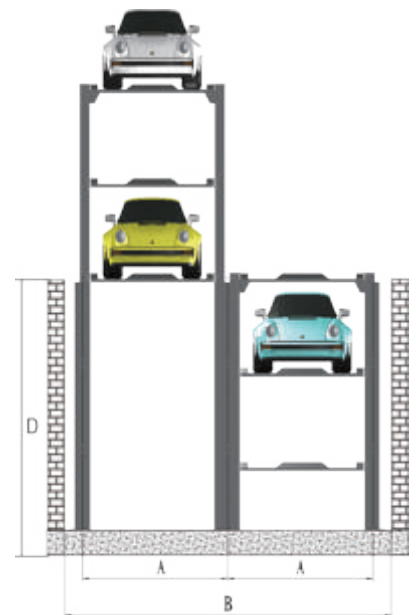
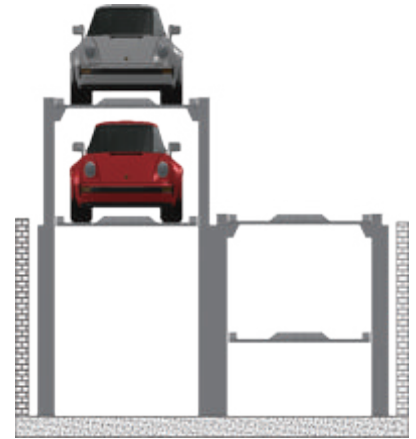


# PFPP Pit Four Post Parking Lift 2 levels

## 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 overloading protection

## Profile



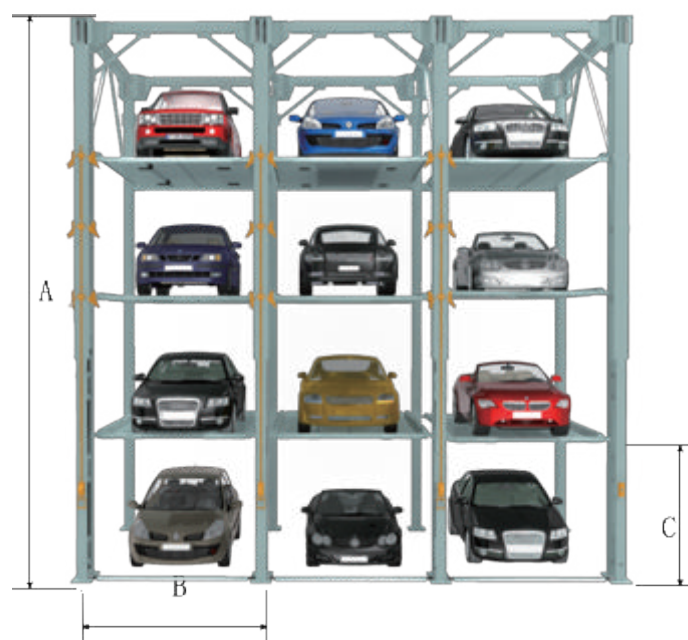
## Parameter

Parking	Type	PFPP2	PFPP3	PFPP4
Dimensions (mm)	Single Vehicle Weight(kg)	≤ 2000	≤ 2000	≤ 2000
	a	2500/2700	2500/2700	2500/2700
	b	≤ 5400/5800	≤ 5400/5800	≤ 5400/5800
	Lenth of the platform	5400	5400	5400
	d	2300/2500	4000/4200	NA/5900
Drive Mode	Motor/Hydraulic			
Motor	(kw)	4	5.5	7.5
	Vertical speed(seconds)	<60		



## Feature:

- 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
- 2500kg capacity for both SUV and sedan
- 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 overloading protection



## Parameter

### FPSP-3

- › 2500kg capacity
- › A = 6110 mm
- › B = 2590 mm
- › C = 2030 mm
- › D = 4745 mm
- › For 3 SUV

### FPSP-4

- › 2500kg capacity
- › A = 8140 mm
- › B = 2590 mm
- › C = 2030 mm
- › D = 4745 mm
- › For 4 SUV



## BDP Bi-Directional Parking System

### 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
- Galvanized platform with wave plate for better parking
- 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 overloading protection



Government project in China



Beijing project



## 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 overloading 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

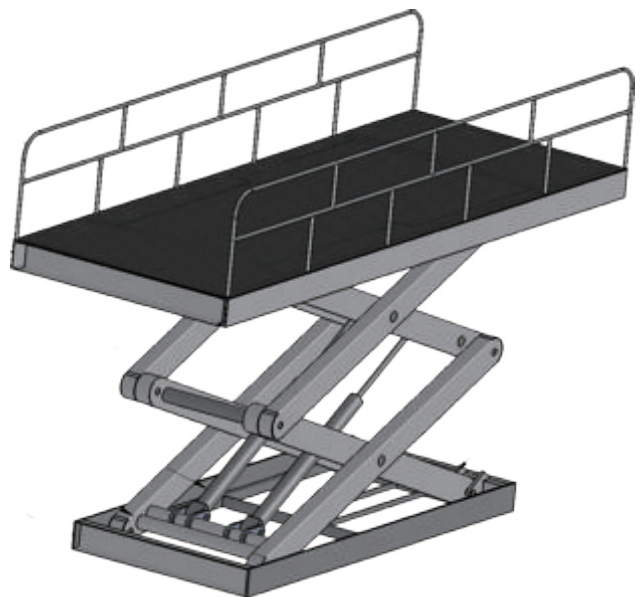


## Feature:

Both 4 post and scissor VRC are a transportation conveyor move car from one floor to another, it is a highly customized product, at MUTRADE, we customize it according to client's requirements!

### SCISSOR

- high precision hydraulic drive system
- Smooth lifting motion
- Small space occupation
- Double cylinder design
- Safe and reliable
- Flexible on lifting height
- Stable and quiet



### FOUR POST

- high precision hydraulic drive system
- Smooth lifting motion
- Fast lifting speed
- Simple operation
- Easy maintenance
- High density chains with longer service life
- Double chain design for higher safety
- Build-in balance system
- Stable and quiet





## Feature:

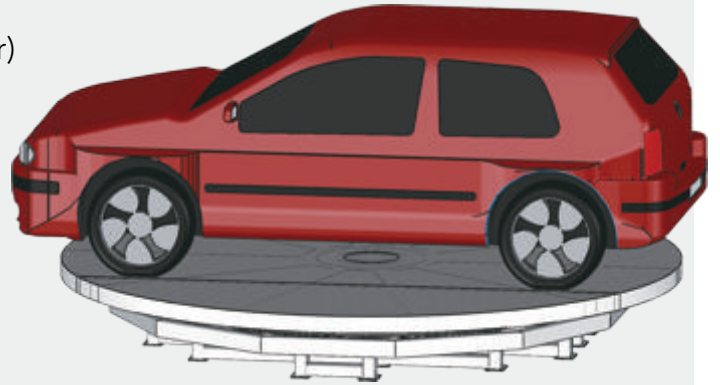
We customize car turntable for you under your specification.

Diameter of the table (from 1.2 to 35 meter)

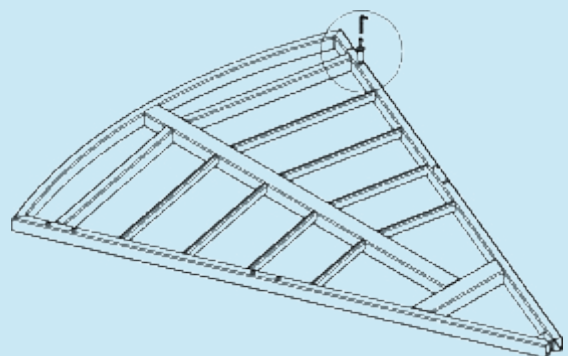
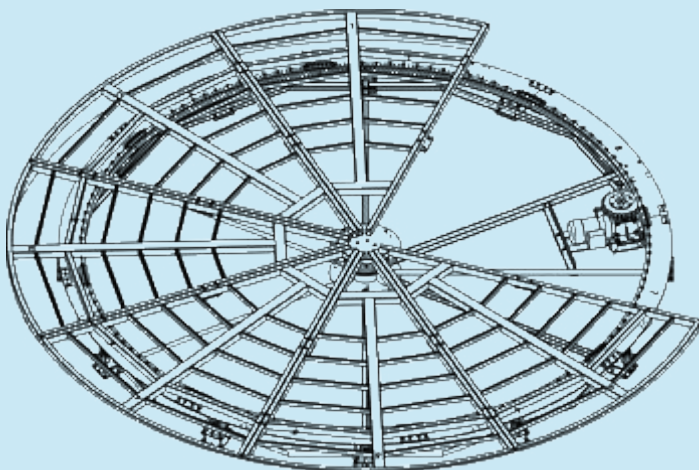
Turning speed and angle (0.2-2 rpm)

Capacity from 1 ton to 20 ton

Variety of the surface option



## Profile



We plan, design, manufacture and install...

Professional Parking Solution Provider!

# MECHANICAL GARAGE

Qingdao Mutrade Co., Ltd.

Tel : +86 532 5557 9606      +86 532 5557 9608

Fax: +86 532 5557 9607      Website: [www.mutrad.com](http://www.mutrad.com)

Add: Room205, Building A, #63 Haier Road, Laoshan District, Qingdao, China 266100