

TAIWAN : HOITECH MACHINERY INDUSTRIAL CO., LTD  
VIETNAM : QUANG LIEN CRANE ELEVATOR CO., LTD.





Black Bear

Black Bear



Ching Tu Elevator Co., Ltd



Cheng Day Machinery Works Co., Ltd.  
(Headquarter)



Grand Asia Machinery Industry Co., Ltd.

## FAITH PRACTICALITY EFFICIENCY

Cheng Day Machinery Works Co., Ltd. was former named Yuan - Da Industrial Company established in 1971. Official name was changed into Cheng Day Machinery Works Co. Ltd. in 1978, it's with initial capital five millions NTD. As of now, capital registered is at NT\$ 210,000,000.

**Made in Taiwan.** Cheng Day is the leading manufacturer of lifting equipment. Black Bear & U-Mega are our brands. Raise the world up, lift your business. We are in developing material handling (cranes, hoists), elevators, and parking systems result in ever maximizing our business globally.

**Well use and create urban space, it's our target.**

More and more people, more and more vehicles, less and less space. That is a big challenge for city planners, architects, builders and building owners. To meet this demand, innovative and space-saving parking systems like those from Black Bear car parking systems are required. We operates strategic alliance, cooperate with NH Parking System Co., Ltd. Japan, the leader in the fully automated car parking facilities market, in order to let ourselves go into internationalization. With its ongoing research and development, Cheng Day has performed the best within its competitive market by maintaining its excellent products and service quality.

We experienced design, manufacture, marketing, installation, after-sales service. Our parking systems include, elevator type, cross type, storage type, multilayer type, vehicle / motorcycle use elevator which are renowned for their reliability and efficiency.

Our brands



1971 → 1990 → 2000 → 2015 →

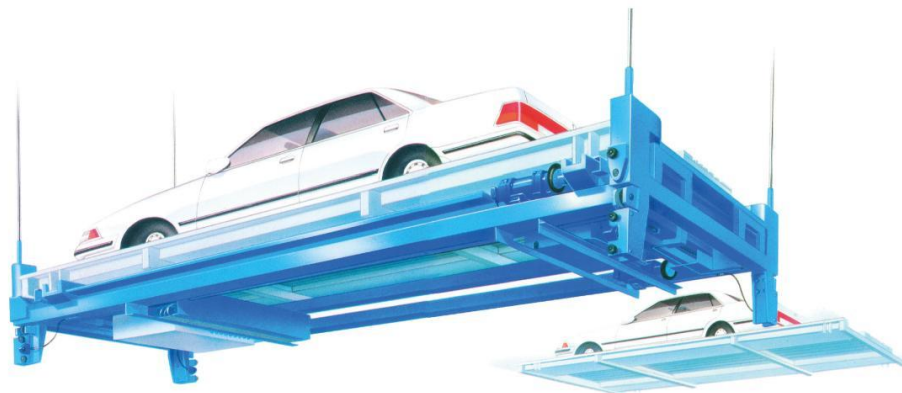
## Company History

- 2014 • Expands Taiwan factory building and additional Teaching Parking Tower
- 2013 • Been honored of the 3rd National Industrial Innovation
- 2011 • Cooperate with NHPS Japan for Parking System new business
  - Expand Taiwan factory territory to 35,000 square meters
- 2010 • Specific qualified manufacturer of mechanical parking system in buildings approved by Taiwan government
  - Establish dept. of parking system in Taipei, Taiwan
- 2008 • 200 ton stationary crane certificate approved by Labor Inspection Institute of Executive Yuan
- 2007 • Kunshan Ching Tu Elevator Co., Ltd. Shanghai expands the factory building
- 2006 • Kunshan Grand Asia Machinery Works Co., Ltd. Shanghai expands the factory building
- 2005 • Develop clean-room overhead crane for high tech industries
- 2004 • Develop new generation Electric Chain Hoist (NHD series)
  - Implement Oracle Enterprise Resource Planning (ERP) system
- 2001 • Achieved the "CSA" certification
  - Establish Kunshan Ching Tu Elevator Co., Ltd. Shanghai China
- 2000 • Achieve the "ISO 9001" certificate
  - Achieve the "150 ton overhead crane with crab" certificate by Taiwan Power Co.
- 1999 • The elevator certificate approved by Labor Inspection Institute, Executive Yuan
  - The 150 ton stationary crane certificate approved by Labor Inspection Institute, Executive Yuan
  - The registration of professional elevator manufacturer approved by Construction and Planning Administration. MOI.
  - The first grade member of Chinese Association of Lifting Equipment Security
  - Been honored of the 8th Nation Award of Small and Medium Enterprises
  - President, Mr. I-Te Pan is awarded as the 7th board chairman of Chinese Association of Crane
  - The 50 ton crane production and assembly certificate approved by Chiang Su Province, China
- 1998 • Achieve the "CE" mark certificate
  - Set up the Heavy Industry division
  - Set up subsidiary in California U.S.A. "Black Bear Corp."
- 1997 • Achieve the "ISO 9002" certificate
  - Set up Elevator division
  - Achieve the "Pattern Approval of Crane Fabrication" approved by the Department of Labor Affair Taiwan Government Labor Inspection Office
- 1996 • Sign off the consultant contract with Corporate Synergy Development Center for ISO 9002 application
  - Complete development and start promoting new model 240 kg light weight electric chain hoist & soft start/stop reduction gear motor
- 1995 • Evaluation of Industrial Bureau Ministry of Economic Affairs being certified as the qualified factory of "Center Manufacturing and Satellite Vendor System"
- 1994 • Establish subsidiary Grand Asia Co., Ltd. in Shanghai China for producing manual hoists & electric full range hoists. And operates the sales marketing, installation and all technical service for China domestic market
- 1993 • Cooperative education program with Taichung Industrial High School, industry goes into school
- 1992 • Taiwan headquarter has new factory
- 1990 • Conduct PC-CAD in R&D to improve the design capability.
  - "GS" certificate approved for YSL-100 electric chain hoist
  - Achieve "Federation European De La Manutention" FEM9.511 / 06.86 : 18m certificate
- 1985 • Achieve the patent of Electro-Magnetism Brake Controller using in Electric Chain Hoist Motor Brake
- 1978 • Cheng Day Machinery Works Co., Ltd. starts manufacturing electric chain hoist
- 1971 • Established work shop "Yuan-Da Industrial Co." in manufacturing aluminum pattern





## PARK LIFT makes the most of many valuable Hi-Technologies



### Safety

Easy operation makes PARK LIFT trouble-free, human-base operate.

Various sensors and limit switches constantly monitor safety of car and user in a variety of circumstances.

### Power saving and cost efficient

Elevator type PARK LIFT lifts up and down a pallet put on the lift, which is moved by wire ropes connected to four corners of it.

A drastic cut of electricity consumption is expected because motor power requires operating one car.

Moreover PARK LIFT detects car weight automatically and instructs inverter drive on optimum power output for energy saving operation.

### Low vibration and low noise

Elevator type PARK LIFT can be operated quietly since it does not have chains and sprockets.

Gradually accelerated and decelerated on start up and stop, and high speed in the middle for smooth and careful operation to carry a car gently.

Low vibration and noise feature is also suitable for inside building and adjacent residence installation.

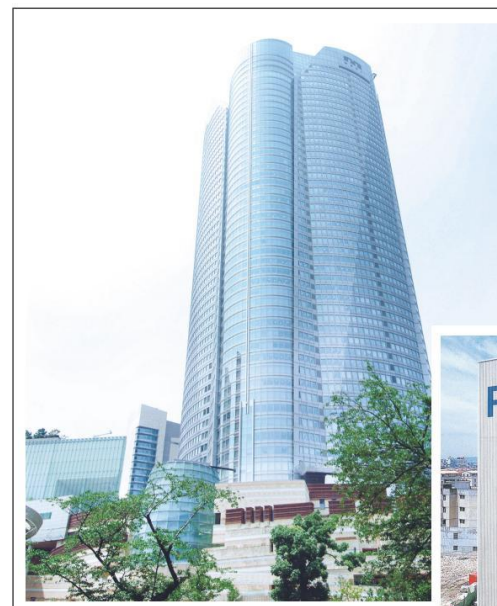


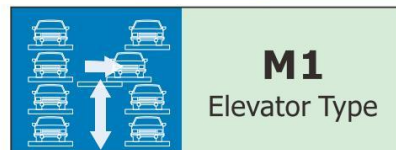
## Modern urban space

PARK LIFT has been increasing and being placed trust in many cities.

Not only its superb economical efficiency and reliability but eye-filling as building proves PARK LIFT a new type of mechanical car park.

Now is the time to pay attention not only function but to scenic attraction. PARK LIFT is supported by such needs.





## M1 Elevator Type

### M1-P Standard Model

- From standard model to multifunctional model, well considered in every respect

Our standard model which can be freely assembled and created depends on the land shape.



#### A Type

Vehicle and pallet carriage go in the same direction to enter. It is suitable for wide entrance, narrow inner sites.



#### B Type

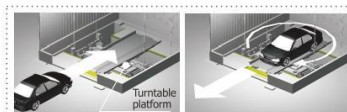
Vehicle and pallet carriage go in vertically and interlaced direction. It is suitable for narrow entrance, deeper inner sites.

- Can match with high rise building

In this increasing high level units demanding era, our roller and tractor products can satisfy customers' expectation.

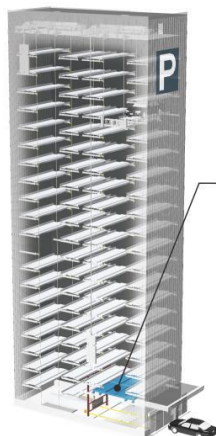
- Enter and exit in the driving direction

Vehicle enters and exit in the driving direction through the turntable design.

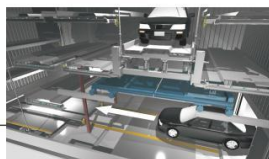


Enter

Exit



### M1-R Drive-In Type



- It is the most suitable for narrow, long and thin construction

It is the most suitable for narrow, long and thin construction. Even if the entrance site has been constrained, it can also be set up high capacity of parking garage.

- Front and rear parking layer perform simultaneously

The front parking layer has special device, "Slide ceiling" as our standard device. It can shorten the parking time, also response timely to the demand of rental car park.

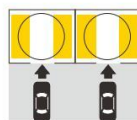
#### Model-oriented allocation:



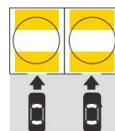
P1A Type



P1B Type



P2A Type



P2B Type

## Reciprocating Parking System

### Features of Reciprocating Parking System 6SP

#### SPACELESS:

Three-dimensional space parking, efficiently & various use land space to make a proper design, and the entrance can match up the turntable to become more convenient when car goes in and out.

#### SAFETY:

Ultrared rays sensor & precised computer program controlled, to ensure people and vehicles' safe.

#### SILENT:

Low vibration & low noise.

#### SIMPLE & AUTO:

Automatic human-base operation, easy to work through control panel or IC card with password.

#### SAVING:

Single car Horizontal Plane Reciprocating & lifting when equipment moved, not need every car moving. Power saving, and lower consumption.

#### SPEEDY:

One time only one car moving in and out, speed & working smoothly.

- BB-6SP-APB Multi-Circulating type
- BB-6SP-APC Horizontal Reciprocating type
- BB-6SP-APR Horizontal Plane Reciprocating type



- Multi-Circulating type

Model : BB-6SP-APB

Working principle :

The Park Lift goes in and out to pull and move the fixed car plate.

Place :

Good for small & medium scale  
10~30 cars parking



- Horizontal Plane Reciprocating type

Model : BB-6SP-APR

Working principle :

The Park Lift goes in and out to use lift table move the fixed car plate

Place :

Good for medium & large scale  
30~120 cars parking



- Horizontal Reciprocating type

Model : BB-6SP-APC

Working principle :

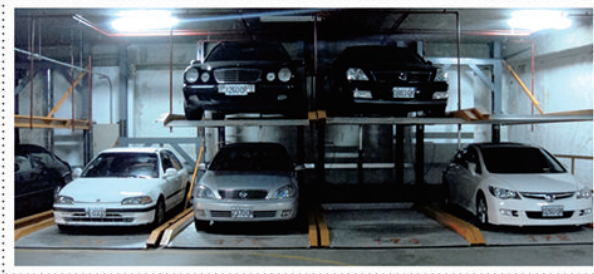
The Park Lift goes in and out to use friction wheels to pull and move the non-fixed car plate

Place :

Good for small & medium scale  
10~60 cars parking

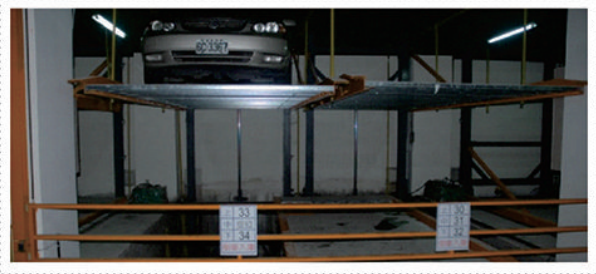


## Lift-Sliding Mechanical Parking System



### Two-Layer series

- No quantity limited, can fit to large scale parking lots.
- Increase parking capacity, economical efficiency.
- Dual-pillar back spinning / suspended structural support is safe and efficient, not normal column type.
- Variable choice for overground or underground setting, individual or combined with building.



### Three-Layer series

- No quantity limited, can fit to large scale parking lots.
- Increase parking capacity, economical efficiency.
- Dual-pillar back spinning / suspended structural support is safe and efficient, not normal column type.
- Variable choice for overground or underground setting, individual or combined with building.



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- Revision of March, 2015 #950282
- No further notice while sizes and dimensions update; Quotations are based on practical dimensions.
- Due to the printing factors, the color of the products is subject to minor deviation from the physical objects.