

# Double Deck Lifting Traverse Parking System

This double deck lifting and traverse parking system maximizes parking space utilization. It features automated lifting and traversing mechanisms and safety features for secure vehicle storage.



## ADDITIONAL IMAGES



## Overview

### Efficient Multi-Layer Parking Solution

The PSH pit type elevating and traversing three-dimensional garage equipment is an economical mechanical parking solution designed to maximize vehicle capacity in limited spaces. By utilizing vertical and horizontal movement, this system effectively transforms a single parking vacancy into a three-layer storage configuration. It is an ideal infrastructure upgrade for business districts, office complexes, and urban revitalization projects requiring rapid capacity expansion.

## Vehicle Capacity

### Maximum Loading Capacity

**2000 kg**  
Max Load

Upper Layer Vehicle Limits	d 5000x 1850 x 1550 mm
Ground Layer Vehicle Limits	d 5000x 1850 x 1700/2000 mm

## Technical Specifications

### Drive Mechanisms

Chain Drive • Traction Steel Cable

Operation & Control Methods	RFID Card, Password, Facial Recognition, Fingerprint, Keyboard, Voice Prompt, Remote Control, Touch Screen (Optional)
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Power Supply	3N AC 380V, 50Hz
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## Performance Data

### System Performance Metrics

Metric	Speed (m/min)	Motor Power (kW)
Lifting	4-10	2.2 / 3.7 / 5.5 / 9.2
Traversing	7-12	0.2 / 0.4

## Features

### Key Advantages

- Economical construction costs
- Standardized design for scalable production
- Rapid installation process
- Low maintenance requirements
- Multiple integrated safety protection devices
- User-friendly human-machine interface