



BENTLAY CAR PARKING SOLUTIONS

CATALOGUE



We are India's trusted innovator in automated car parking systems delivering smart, space-saving solutions.

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ENGINEERING TOMORROW'S PARKING, TODAY.

Bentlay Car Parking Solutions is a **100 % Made-in-India** manufacturer delivering automated and semi-automated systems that redefine parking efficiency.

Our solutions combine German-grade engineering with Indian practicality that maximizing space, minimizing cost, and elevating the modern urban experience.

TRUSTED BY INDUSTRY LEADERS



PEARL HEIGHTS





Preferred by Builders.

Trusted by Architects.

Powered by Innovation.

WHY CHOOSE **BENTLAY CAR PARKING SOLUTIONS**

- » **Space Optimization**
Utilizes vertical space efficiently.
- » **Cost Efficiency**
Lower civil cost, higher parking yield.
- » **Architect Integration**
Flexible for basements or open plots.
- » **Quick Installation**
Pre-fabricated & modular assembly.
- » **Low Maintenance**
Long-life hydraulics & anti-corrosive finish.
- » **Support Network**
AMC & nationwide service coverage.

Compact Efficiency for Modern Spaces

2 POST 2 LEVEL STACK PARKING

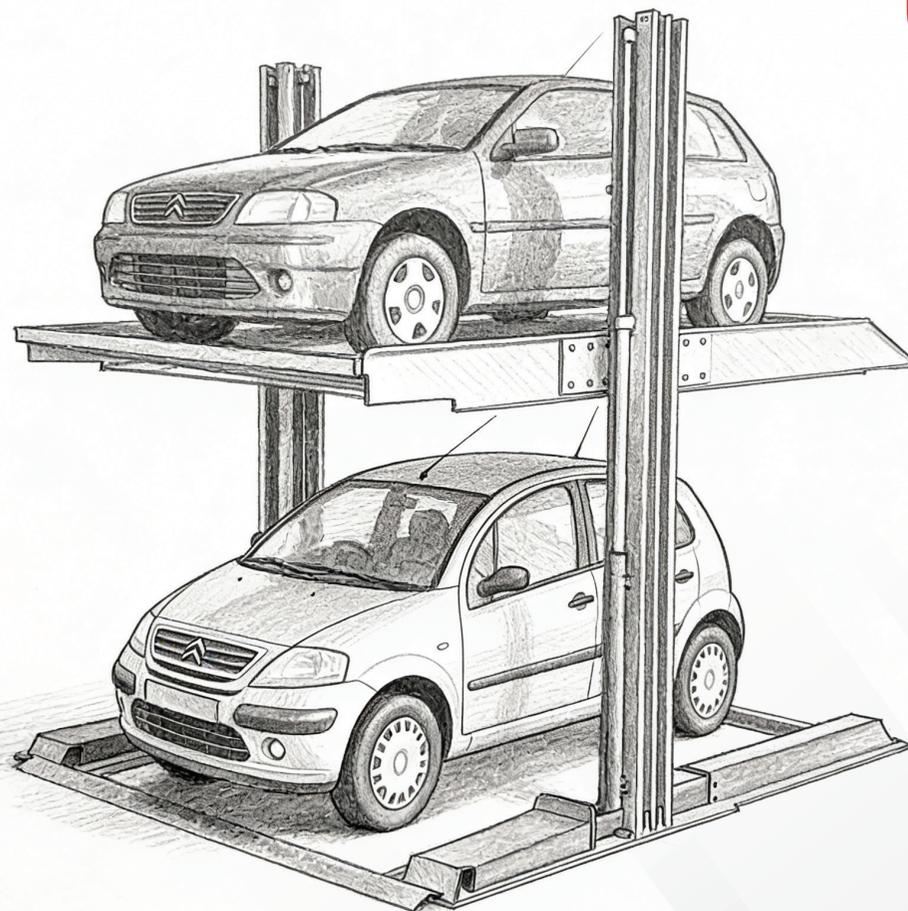
Ideal for residences, villas, or offices with limited land area. The 2-level stacker doubles your capacity using a simple, safe hydraulic lift.

Key Features:

- » Independent 2-platform configuration
- » Push-button or key-operated control
- » Smooth hydraulic lifting with limit switch safety
- » Anti-slip epoxy platforms and powder-coated finish
- » Low noise, low maintenance design

Technical Summary:

- » Length 4m + Bonnet Space (1m)
- » Width 2100–2400 mm
- » Lifting Height 1800/1900/2100 mm
- » Lifting Capacity 2.2/2.5 Ton
- » Motor 2.2 kW / 3 HP
- » Independent/shared Powerpack



Advanced Mechanical Parking for Modern Cities

4 POST 2 LEVEL STACK PARKING

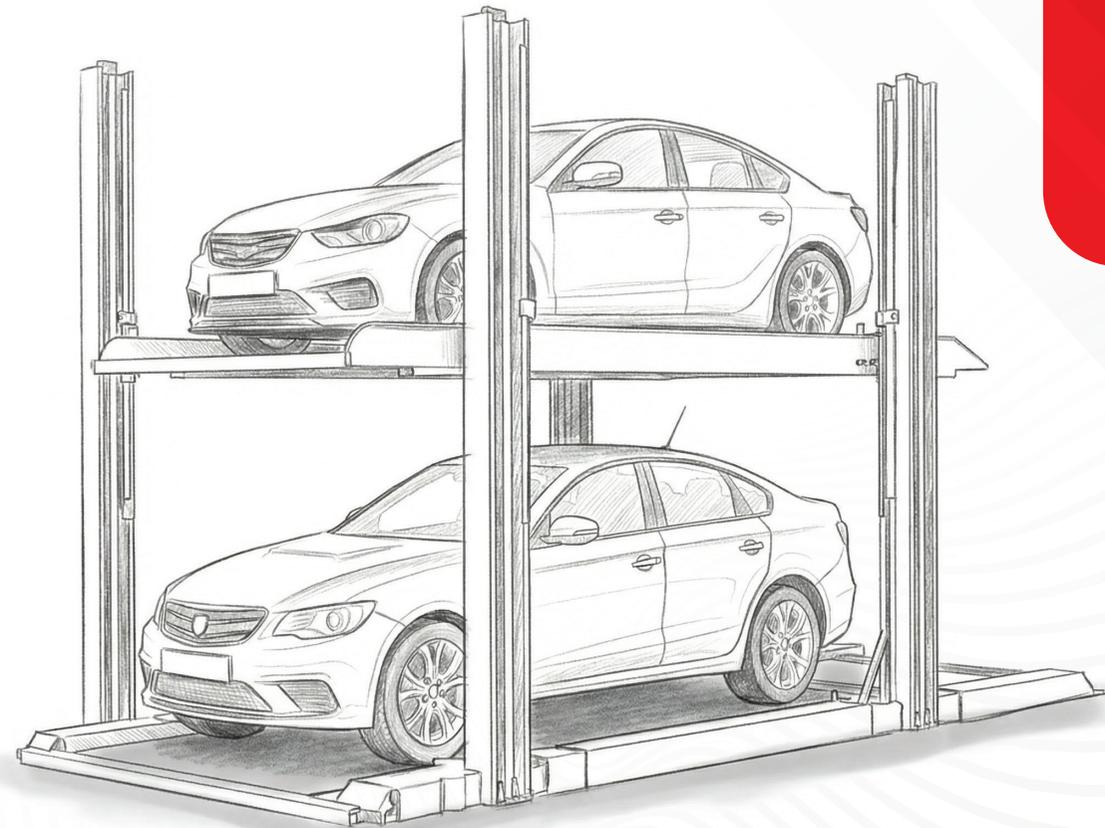
A robust two-layer parking solution powered by advanced chain and motor technology, engineered for efficiency, safety, and long-term reliability. This system is ideal for residential complexes, commercial properties.

Key Features:

- » Four-post structure ensuring stability and safety
- » Advanced chain-driven lifting with precise motor control
- » Independent or shared powerpack operation
- » Durable steel frame with powder-coated finish
- » Easy operation with push-button or key switch
- » Low maintenance and minimal noise

Technical Summary:

- » Lifting Capacity 2.2 / 2.5 Ton
- » Usable Platform Width 1800 / 2100 mm
- » Platform Length 4 m + Bonnet Space (1 m)
- » Platform Width 2100 / 2400 mm (as per column)
- » Independent / Shared Powerpack



Triple Capacity in the Same Footprint

2 POST 3 LEVEL STACK PARKING

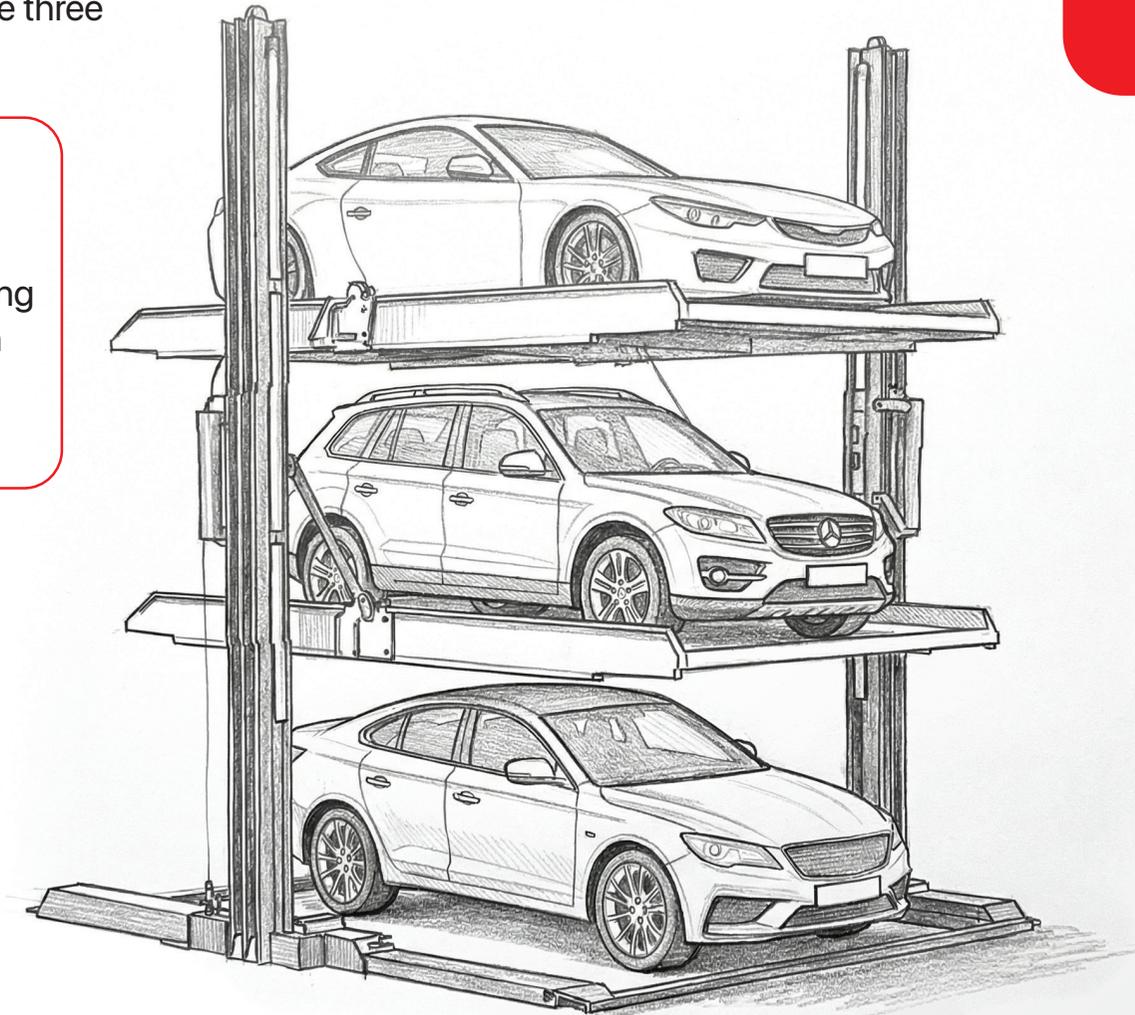
Designed for commercial and mixed-use buildings, the 3-level stack system maximizes vertical space to accommodate three vehicles safely and efficiently.

Key Features:

- » 3-tier dependent stack structure
- » Hydraulic operation with chain-supported balancing
- » Individual safety locks and emergency stop switch
- » Rust-resistant platforms with protective barriers
- » Custom color and finish options

Technical Summary:

- » Length 4m + Bonnet Space (1m)
- » Width 2500 mm
- » Lifting Height up to 4200 mm
- » Capacity 2500–2700 kg per platform
- » Motor 2.2 kW / 3 HP



Advanced Hydraulic Parking for Smart Urban Spaces

3 LEVEL PIT PARKING

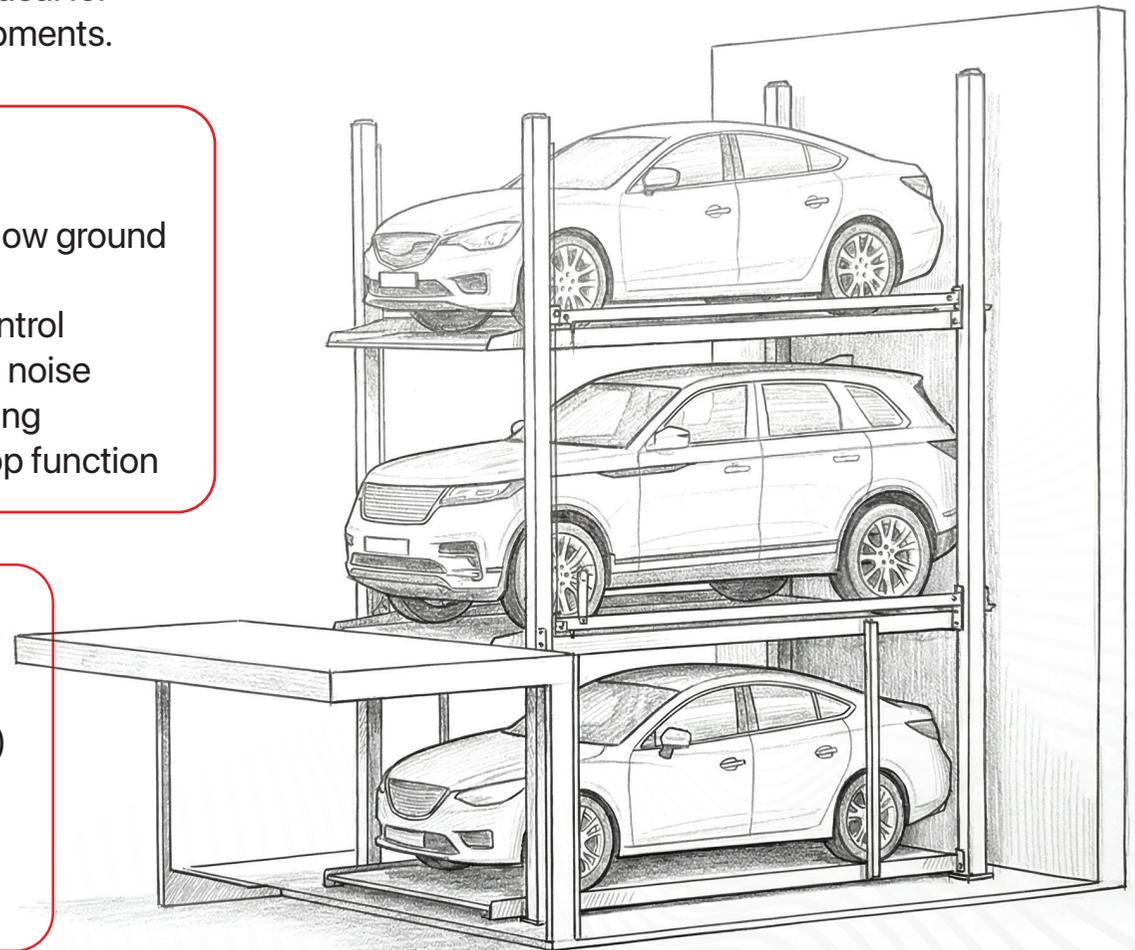
A high-performance three-layer parking system powered by advanced hydraulic technology, engineered for safe, reliable, and space-efficient vehicle storage. This system is ideal for residential towers, offices, and premium developments.

Key Features:

- » 3-level configuration with one platform below ground
- » Heavy-duty hydraulic cylinders
- » Independent hydraulic drive for precise control
- » Compact powerpack system ensuring low noise
- » Anti-slip platforms and rust-resistant coating
- » Integrated safety locks and emergency stop function

Technical Summary:

- » Lifting Capacity 5 Ton
- » Platform Length 4 m + Bonnet Space (1 m)
- » Lifting Height 4200 mm
- » Platform Width 2500 mm
- » Independent Hydraulic



Go Below to Grow Above

PIT PUZZLE PARKING SYSTEM

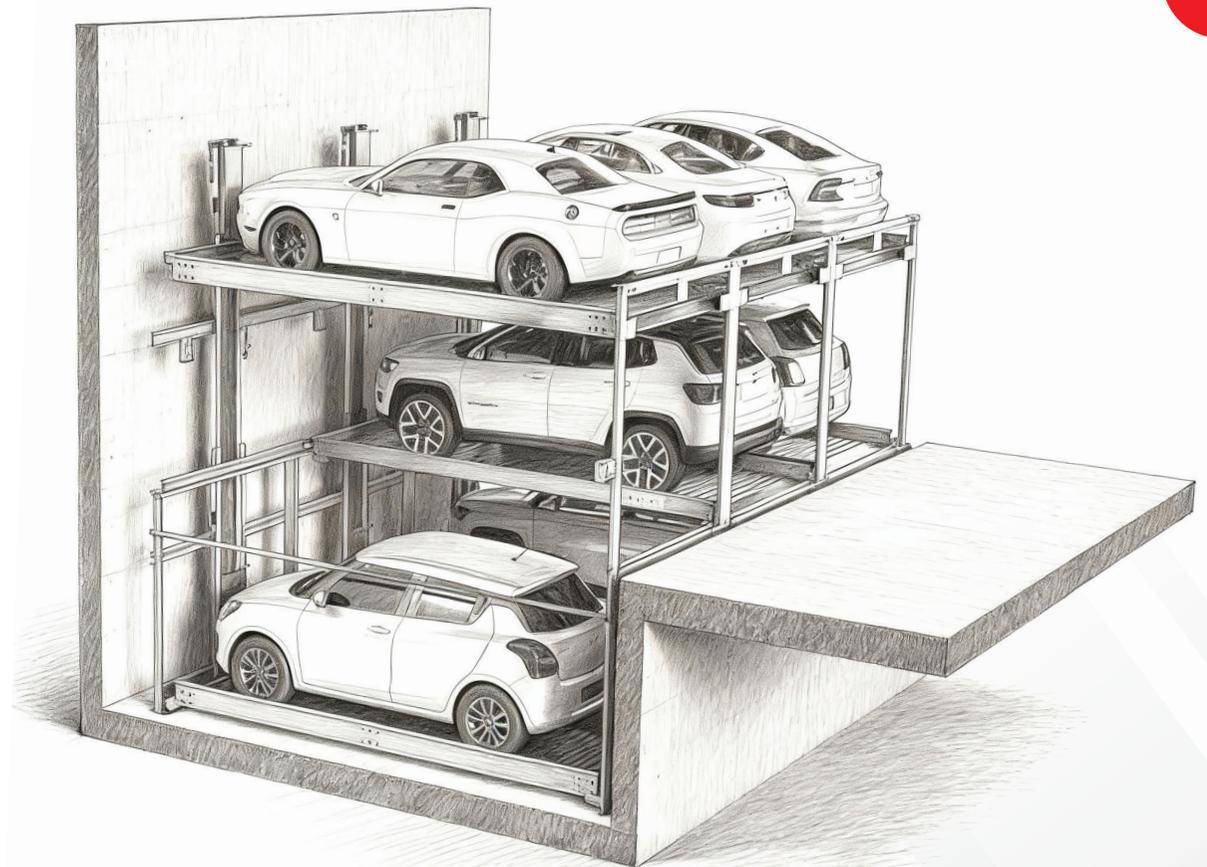
Bentlay's pit systems maximize usable land while keeping your project's surface aesthetic intact.

Key Features:

- » 2 or 3-platform configuration
- » Hydraulic & chain-supported balance
- » Low-noise compact power pack
- » Optional photo sensors & magnetic locks
- » Epoxy/powder-coated finish

Technical Summary:

- » Length 4000–5000 mm
- » Height 1700–2000 mm
- » Capacity 2.1/2.5 Ton per Platform
- » Motor 5 HP
- » Power 3-phase 415V



Automation Meets Architecture

PUZZLE PARKING SYSTEM

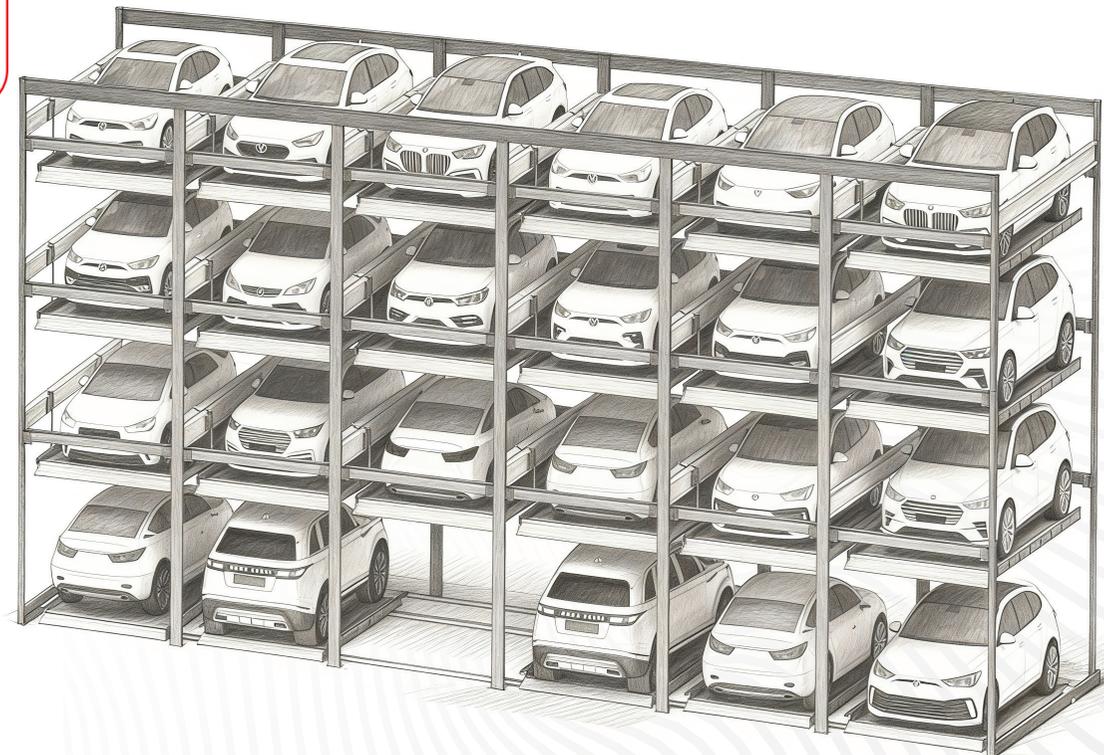
A computerized system combining vertical lift and horizontal shift to park multiple vehicles in minimal land area each car retrieved independently without moving others.

Key Features:

- » Fully automatic retrieval
- » Integrated touchscreen control panel
- » Quick operation via PLC control
- » Manual override for safety
- » Custom layouts up to 3 levels

Ideal For:

- » Malls
- » Offices
- » High-rise Apartments
- » Municipal Parking



Elevated Efficiency in Compact Spaces

SUSPENDED PLATFORM

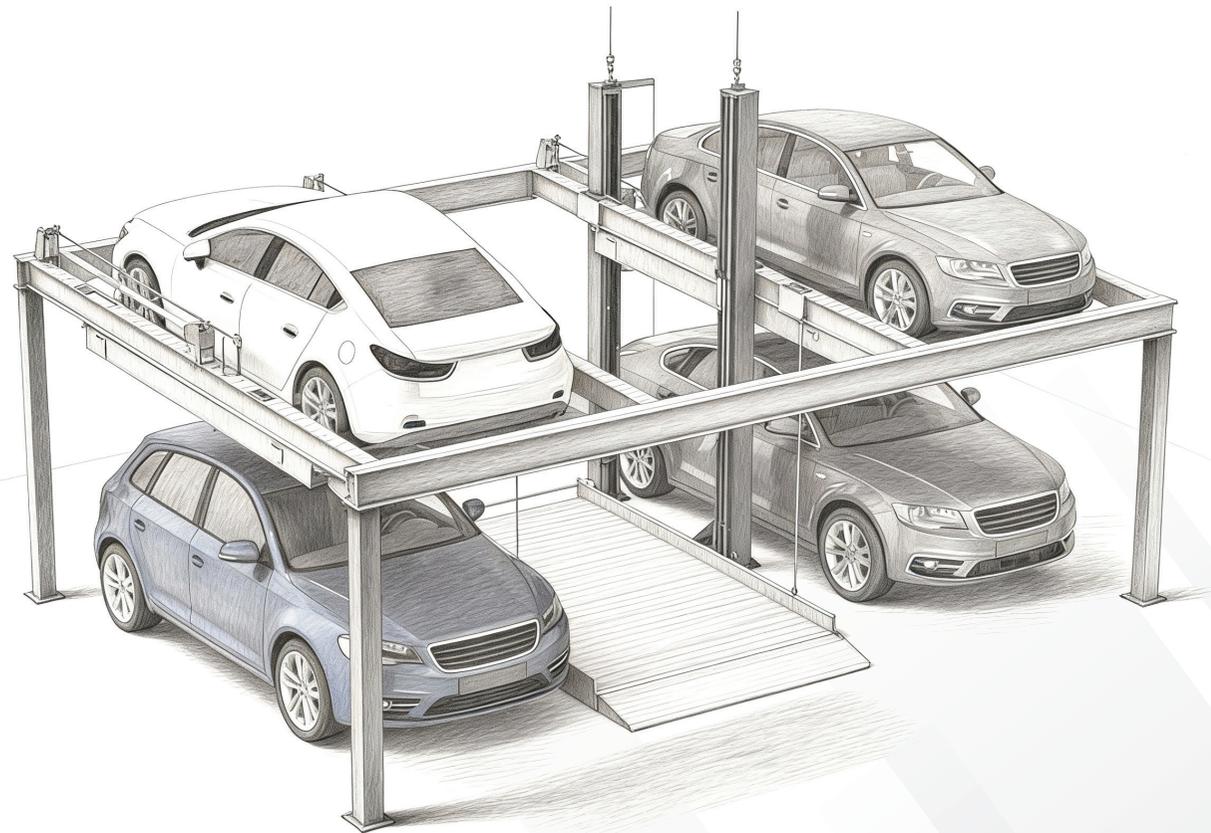
A two-level parking system that optimizes vertical space through a suspended platform design. Perfect for tight urban plots and individual parking bays, it offers a practical balance of strength, flexibility, and smooth performance.

Key Features:

- » Compact system ideal for basements & showrooms
- » 2 or 3-platform configuration
- » Space-saving vertical stacking
- » Heavy-duty steel frame
- » Smooth and quiet operation
- » Optional manual or automated control

Technical Summary:

- » Capacity 2 Vehicles per Unit
- » Dimensions Customizable to Site Requirements
- » Weight Capacity Up to 2,500kg/Level
- » Lifting Motor 2.2 KW
- » Lifting Time 4–5 m/min



Vertical Thinking for Compact Cities

ROTARY PARKING SYSTEM

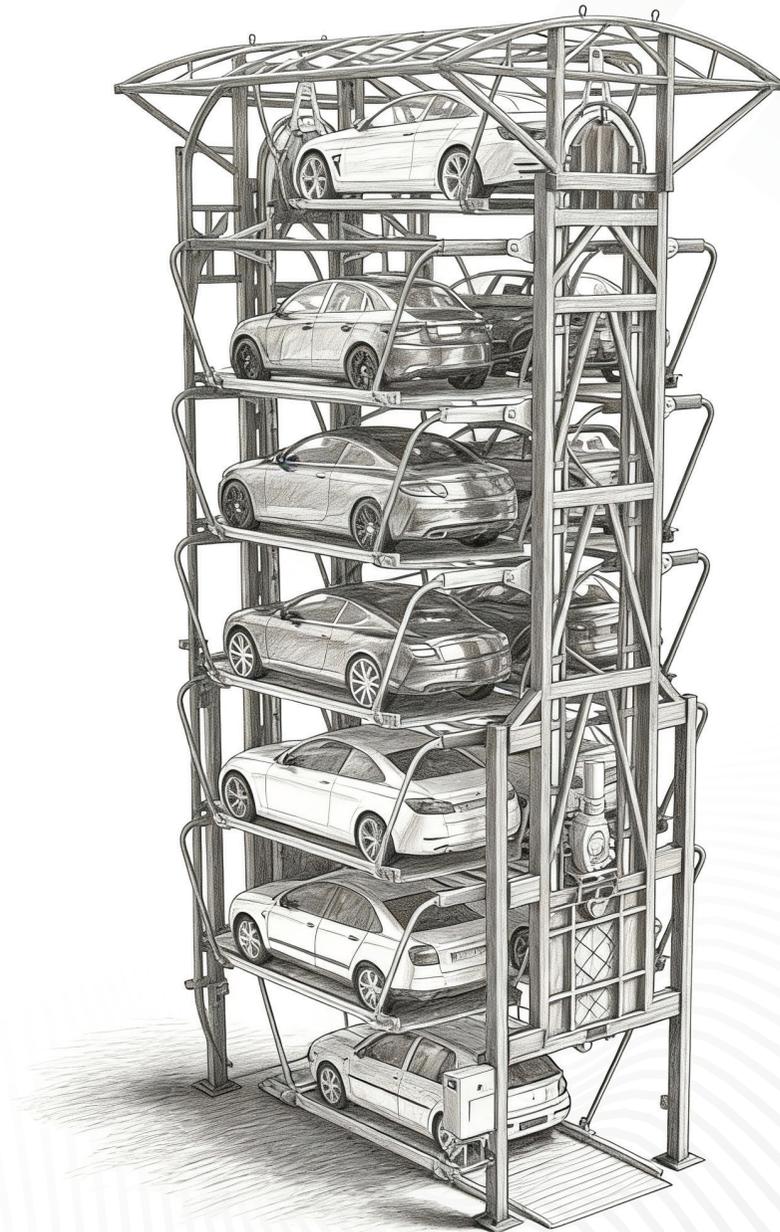
Bentlay's rotary system is designed for high-density urban sites, rotating cars vertically around a central axis like a Ferris wheel, ensuring maximum space utilization.

Highlights:

- » Up to 14 cars per unit
- » Fully automated rotation
- » Touchscreen or keypad control
- » Independent access for each car
- » Optional semi-underground foundation
- » Powder-coated steel structure

Technical Summary:

- » Motor: 12 HP
- » 3-Phase 415V
- » Height: up to 17m (customizable)



Compact dual-layer system for scooters/bikes

TWO-WHEELER STACK PARKING

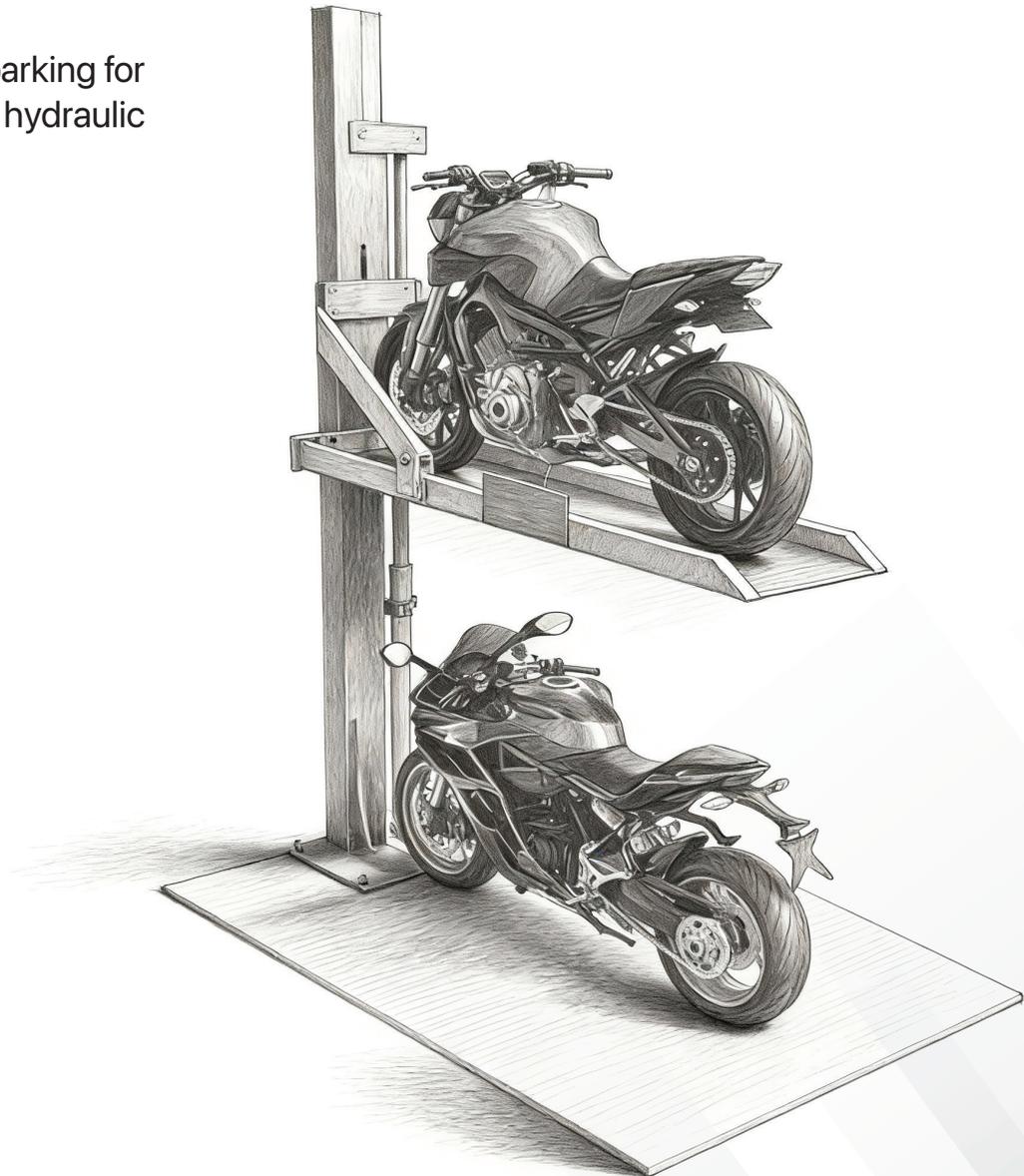
Bentlay's bike parking lifts create safe and efficient parking for commercial, institutional, and public spaces — using hydraulic lifts for effortless stacking.

Key Features:

- » Single or group configurations
- » 1.5 HP hydraulic motor
- » Anti-slip surface
- » Quick install, low maintenance
- » Affordable and durable

Technical Summary:

- » Lifting Capacity 200–1000 kg (supports up to 1.2 tons)
- » Operation Time 40 seconds
- » Power Supply 50 Hz system
- » Key / Push-button Control
- » Two Two-Wheelers Capacity per Unit



SMART PARKING SYSTEMS

BOOM BARRIER SYSTEM

A boom barrier is a gate-like structure with a horizontal bar that controls access to designated areas such as parking lots, toll plazas, and residential complexes. It can be manually operated or automated, depending on the level of security and convenience required. These barriers, often referred to as security gates for parking or industrial access control gates, are commonly used at:

- » Parking lots
- » Residential complexes
- » Toll plazas
- » Industrial facilities

TYPES OF BOOM BARRIERS

1. MANUAL BOOM BARRIERS
2. AUTOMATIC BOOM BARRIERS
3. RFID BOOM BARRIERS
4. HYDRAULIC BOOM BARRIERS
5. ELECTROMECHANICAL BOOM BARRIERS



SMART PARKING SYSTEMS

TICKETING SYSTEM

Bentlay's Ticketing System is a fully automated, technology-driven solution designed to streamline parking operations. Through integrated hardware and software, the system manages vehicle entry, exit, duration tracking, and payment processing with accuracy and ease.

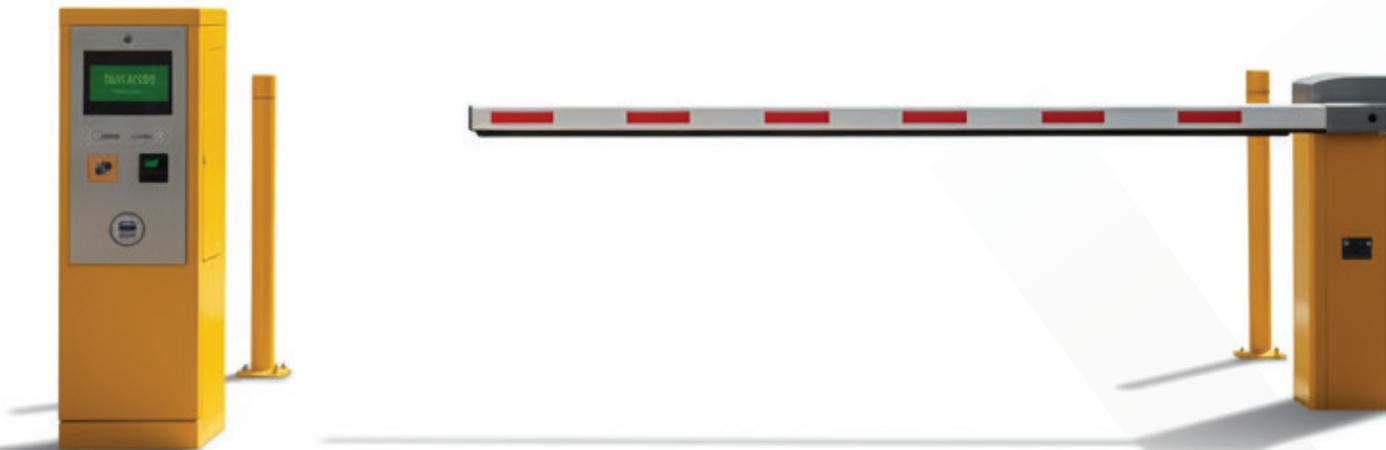
Ideal for commercial complexes, malls, hospitals, business centers, and public parking facilities.

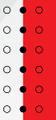
How It Works

1. Entry
2. Processing
3. Exit
4. Payment Calculation
5. Payment
6. Access

Key Features

- » Automated Access Control
- » Payment Processing
- » Space Management
- » Security





SMART PARKING SYSTEMS

PARKING GUIDANCE SYSTEM (PGS)

Bentley's Parking Guidance System (PGS) is an advanced, real-time navigation solution that helps drivers find vacant parking spaces quickly and effortlessly. Designed for modern commercial complexes, malls, business centers, and multi-level car parks — this system reduces congestion, saves time, and elevates user experience.

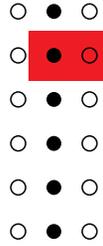
Benefits of PGS For Building Complexes

- » Increase In Car Park Capacity
- » Reduced Congestion
- » Faster Turnaround Time
- » Increased Security
- » Revenue Growth
- » Enhanced Customer Satisfaction
- » Higher Lot Utilization
- » Improved Ambience
- » Self-diagnostic Features
- » Cost-effective
- » Eco-friendly Operation

Benefits of PGS For Motorists

- » Shorter Waiting Time
- » Reduced Stress
- » Time Efficiency
- » A Pleasant Experience
- » Guided Navigation
- » Fuel & Tyre Savings
- » Conflict-Free Parking





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