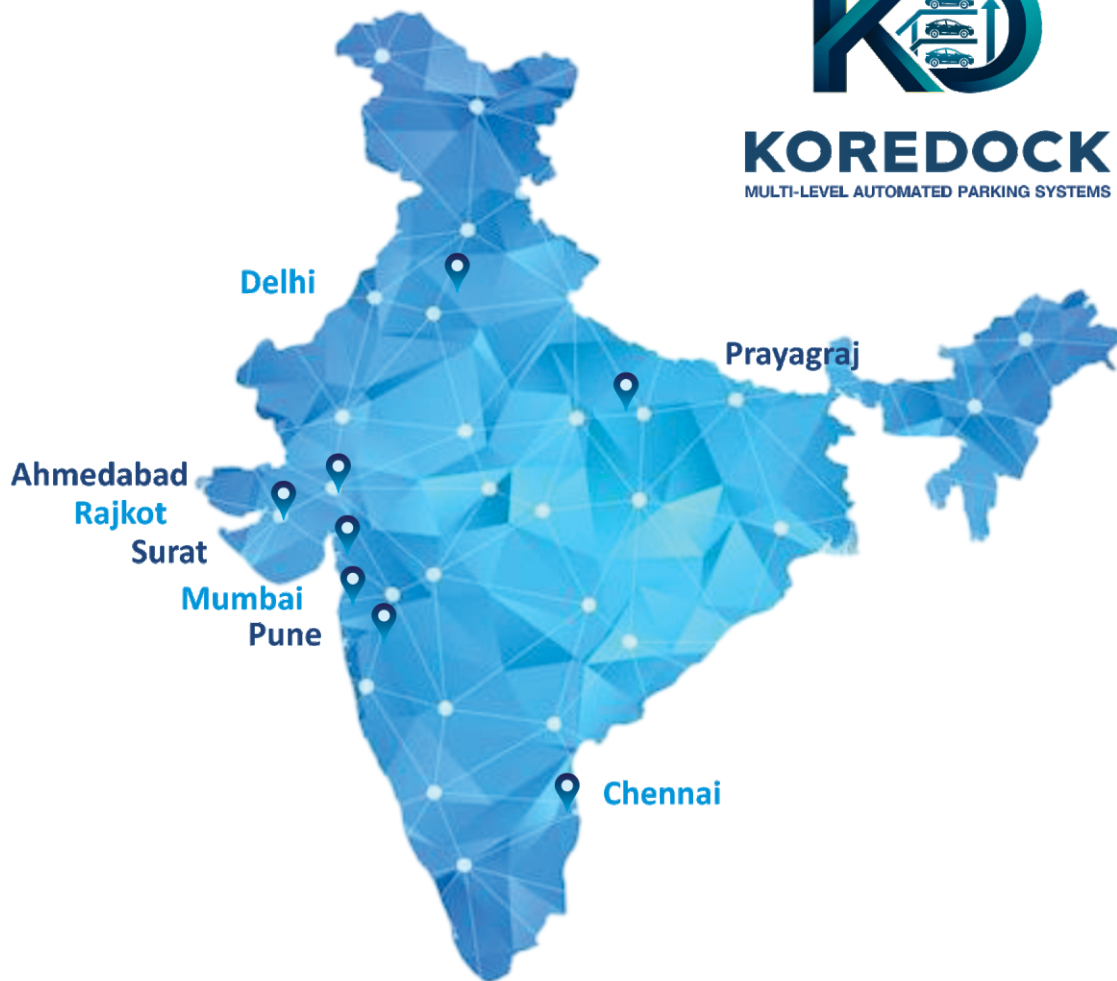




KOREDOCK
MULTI-LEVEL AUTOMATED PARKING SYSTEMS



OUR STRATEGIC LOCATION

- | | | | |
|---------|-------------|-----------|----------|
| 📍 Surat | 📍 Ahmedabad | 📍 Rajkot | 📍 Mumbai |
| 📍 Delhi | 📍 Prayagraj | 📍 Chennai | 📍 Pune |



BEFORE/AFTER TRANSFORMATIONS



Introduction to Multi-Level Stack Parking

Urban areas face a growing challenge: limited land availability and increasing vehicle ownership. Traditional parking lots consume valuable space, while demand continues to rise. Multi-level stack parking systems provide an innovative solution by utilizing vertical space efficiently. These systems allow multiple cars to be parked in the footprint of a single car, optimizing land use, reducing congestion and offering a modern approach to urban mobility.

P Two-Level Stack Parking



Concept

Two cars are parked vertically, one above the other, using mechanical lifts.



Advantages

- Doubles parking capacity in the same area.
- Cost-effective and simple to operate.
- Ideal for residential complexes, small offices and commercial spaces with moderate parking needs.



Operation

The lower car is parked first, and the upper platform is raised or lowered mechanically to allow access.

P Three-Level Stack Parking



Concept

Expands the vertical arrangement to accommodate three cars in single slot.



Advantages

- Triples parking capacity without expanding land usage.
- Best suited for high-density urban zones, malls and large commercial hubs.
- Maximizes efficiency in premium land areas.



Operation

The lower car is parked first, and the upper platform is raised or lowered mechanically to allow access.



KEY MESSAGE

Multi-level stack parking whether two-level or three-level represents a smart, space-saving and sustainable solution to modern parking challenges. It combines engineering innovation with urban practicality, making cities more organized and accessible.



SMART PARKING
FOR SMARTER CITIES

Integrated Automated Parking Solutions

ROTATE, LIFT, PARK, REPEAT
A SMARTER WAY FORWARD

Our automated parking solutions combine revolving car platforms and car & bike lifts to create efficient, space-saving and intelligent parking systems.

From rotating vehicles smoothly through 360 degrees to moving them vertically between multiple levels, these solutions maximize usable space, enhance safety and deliver a smarter parking experience for modern cities.



SPACE OPTIMIZATION

Maximizes usable space by combining rotation and vertical parking.



SAFE & RELIABLE

Engineered for secure, smooth and precise vehicle movement.



WIDE APPLICATION

Suitable for residential, commercial, showroom and multi-tier parking spaces.



MODERN SOLUTION

Enhances convenience, improves safety and adds value to buildings.

Revolving Car Platform

TURNING SPACE INTO POSSIBILITIES



A revolving car platform (commonly known as a car turntable) is a motorized circular rotating mechanism installed flush with a driveway, garage floor or showroom display to rotate vehicles smoothly through 360 degrees.

It eliminates the need for tight multi-points turns, reversing out of blind driverways into traffic or maneuvering in narrow parking bays.

Car & Bike Lifts

VERTICAL MOBILITY SMARTER WAY FORWARD



Car and bike lifts (also known as vehicular elevators or vertical parking platforms) are mechanical and electro-hydraulic lifting systems designed to move vehicles vertically between different floor levels—such as basements, podiums, rooftops, and multi-tier parking structures—without requiring space-consuming concrete drive ramps.



Key Elements & Applications

Commercial Parking & Basement



Integrates into loading bays dead-end aisles, and vehicular elevators to redirect traffic flow.

Hydraulic Vehicle Elevator



Best suited for 2 to 4 levels with high load stability smooth levelling and heavy lifting capabilities.

Scissor Lift Platforms



Compact low-to-medium-rise platforms that fold flush into a floor or shallow pit with zero overhead clearance.

Photography Studio



Functions as a photo booth turntable for high-precision 360 degree online vehicle scans.



KEY MESSAGE

A simple rotation. A smarter, safer and more efficient way to park and present vehicles.



MORE SPACE.
BRIGHTER CITIES.

Two-Level Stack Parking System

A two-level stack parking system is a mechanical parking solution designed to double parking capacity within the footprint of a single standard vehicle space. By utilizing vertical space rather than spreading outward, these systems are widely used in urban residential complexes, office buildings, commercial lots, and tight residential garages where land is at a premium.



**SAME
FOOTPRINT.
DOUBLE
CAPACITY.**

**Multi-Level
mechanical
parking system.
Source:
Tradeindia**



How It Works

The system operates via a steel platform structure driven by either hydraulic cylinders or motorized chains/cables.



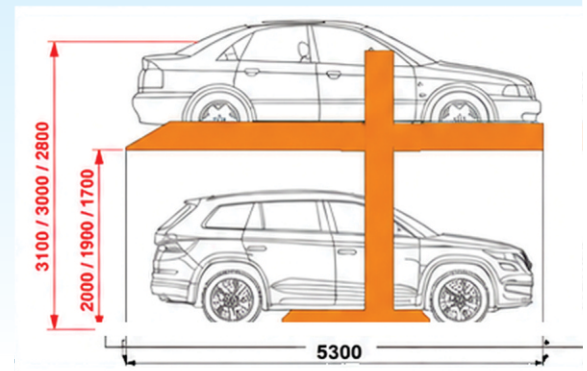
The Upper Platform:

Holds a vehicle suspended above the ground. To park or retrieve the upper car, the platform is lowered or raised using a control panel, key switch, or remote fob.



The Ground Level:

Accommodates a second vehicle directly beneath the suspended platform (or inside a shallow pit).



Core Configurations



1 Dependent Stackers (Non-Pit):

The lower vehicle must be removed before the upper platform can be lowered to retrieve the top vehicle. This is the most cost-effective and common setup, ideal for assigned parking where one user owns both spots or where valet service manages the keys.



2 Independent Stackers (Pit Type):

Incorporates a shallow concrete pit in the ground. When the system is at rest, the lower platform can slide or descend into the pit, allowing the upper platform to lower independently. This enables users on both levels to park or retrieve their cars without moving another vehicle.



IDEAL APPLICATION

Residential Complexes, office buildings, commercial lots and tight residential garages.



WIDE VEHICLE RANGE

Suitable for hatchbacks, sedans and SUVs.



SPACE EFFICIENCY

Double parking capacity in the footprint of one.



COST EFFECTIVE

Reliable and economical solution for high-value urban spaces.



KEY MESSAGE

A practical, space savings and reliable solution to meet the growing parking demand in urban environments.

MORE SPACE.
BRIGHTER CITIES.



Three-Level Stack Parking System

A 3-level Stack Parking System Is A Cutting-edge Vertical Parking Solution Designed To Maximize Space Efficiency In High-density Urban Areas. It Allows Three Vehicles To Be Parked One Above The Other, Using Strong Mechanical Lifts And Platforms Supported By Hydraulic Systems. Perfect For Commercial Complexes, Apartments, Malls, And Office Buildings, It Multiplies Parking Capacity Without Increasing The Plot Size.

The System Is Engineered For Smooth, Safe Operation And Accommodates A Wide Range Of Vehicles, Including Hatchbacks, Sedans, And SUVs. With Quick Installation And Minimal Civil Work, It's An Ideal Solution For Both New Developments And Retrofits.



SPACE EFFICIENCY

Parks three vehicles in the footprint of one.



IDEAL APPLICATIONS

Suitable for commercial complexes, apartments, malls and office buildings.



ENHANCED SAFETY

Equipped with mechanical locking, limit switches and anti-fall devices.



QUICK INSTALLATION

Minimal civil work and easy setup for new or existing sites.

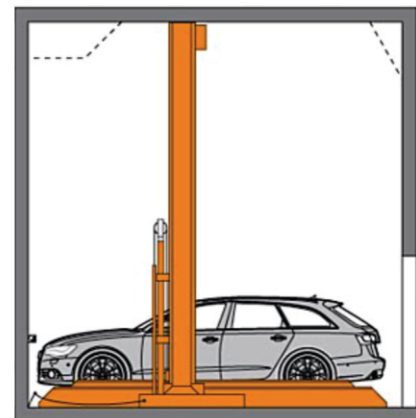
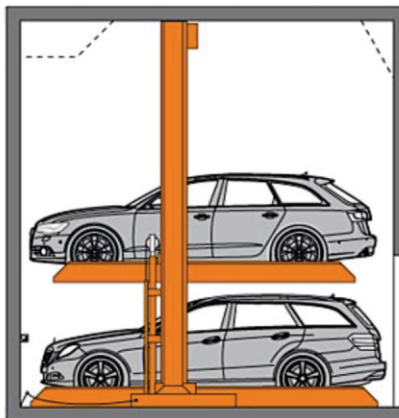
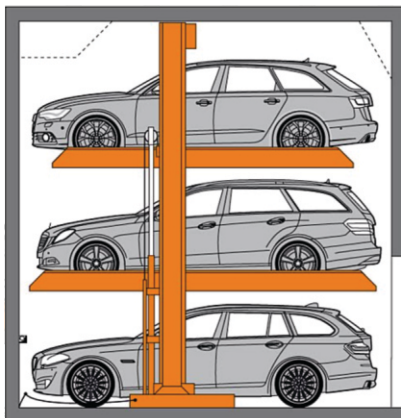


BUILT TO LAST

Durable materials, low-maintenance components and long-term reliability.



System Dimensions (Example)



KEY MESSAGE

By optimizing every vertical inch, the three-level stack parking system significantly reduces parking stress in tight urban spaces, a future-forward solution for modern parking challenges.



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DIFFERENT CONCEPTS OF PARKING INSTALLATIONS



UNDERGROUND PARKING CONCEPTS

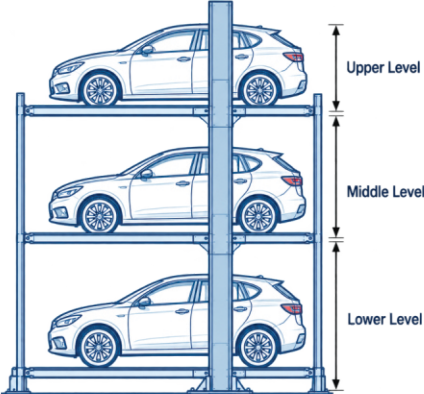


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PERFORMANCE METRICS

1 STACK POSITION

↑ ↓ Optimizes vertical space

 Suitable for sedans, hatchback, tallboys and SUVs

 Robust and reliable structure

 Engineered for safety and durability

2 VERTICAL CLEARANCE

REGULAR TYPE HEIGHT-SINGLE UNIT	SEDAN + SEDAN + SEDAN	HATCHBACK + TALLBOY + SEDAN	TALLBOY + TALLBOY + TALLBOY	SUV + SUV + SUV	
CAR HEIGHT UPPER LEVEL	1500 MM	1500 MM	1700 MM	2000 MM	Upper Level 1500-2000 mm
CAR HEIGHT MIDDLE LEVEL	1500 MM	1700 MM	1700 MM	2000 MM	Middle Level 1500-2000 mm
CAR HEIGHT LOWER LEVEL	1500 MM	1700 MM	1700 MM	2000 MM	Lower Level 1500-2000 mm
TOTAL HEIGHT	5000 MM	5400 MM	5600 MM	6500 MM	Total Height 5000-6500 mm



3 CLEAR WIDTH

Single Unit



Clear Platform Width

Units in a Row



Clear Platform Width

CLEARED SPACE NEEDED TO INSTALL	USABLE SPACE WIDTH (MIDDLE)	USABLE SPACE WIDTH (UPPER)
2650 mm	2200 mm	2100 mm
2750 mm	2300 mm	2200 mm
2850 mm	2400 mm	2300 mm
2950 mm	2500 mm	2400 mm

4 KEY FEATURES

 Saves Spaces	 Maximize Parking Spaces	 Easy Maintenance	 Increased Vehicle Security	 Automation & Mechanization	 Safety Sensors	 Customizable for Different Needs
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MORE SPACE.
BRIGHTER CITIES.

SMART PARKING FOR BRIGHTER CITIES



KOREDOCK
MULTI-LEVEL AUTOMATED PARKING SYSTEMS

PEOPLE | PLACES | POSSIBILITIES

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INDIA TOWARDS SMARTER CITIES