

## Automated Car Parking Systems by Trivanta Edge

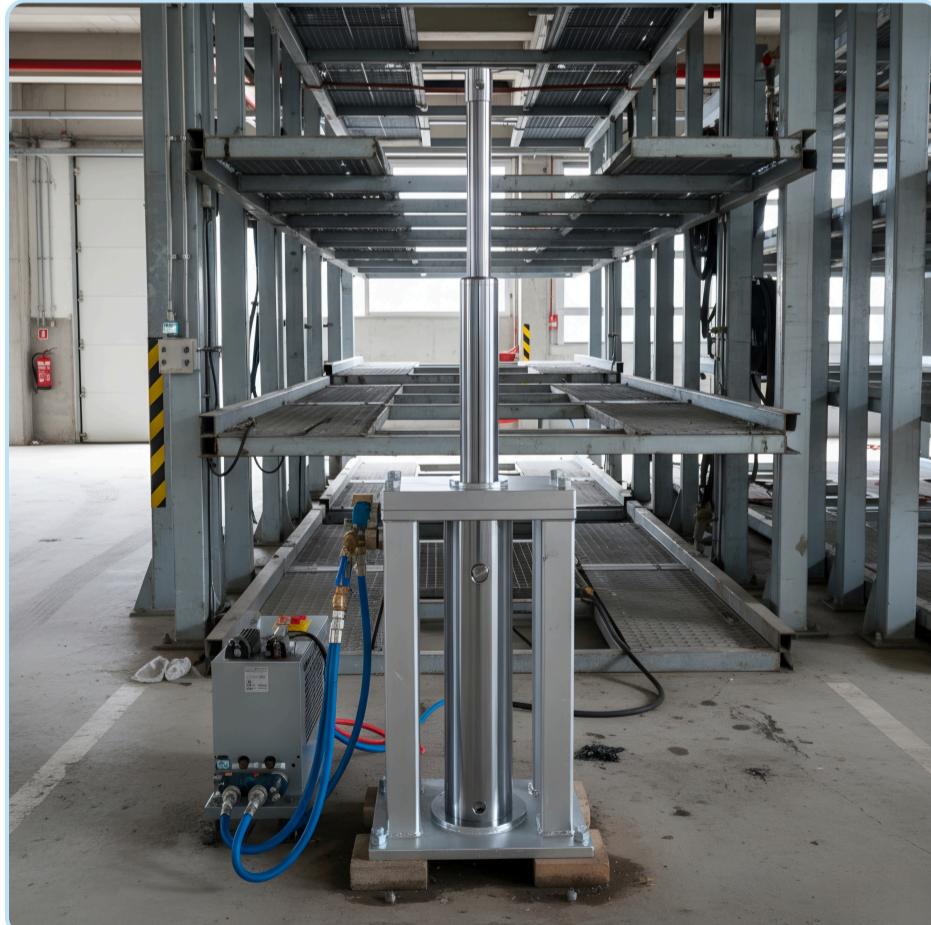
At **Trivanta Edge**, we redefine parking convenience through automation and engineering precision. Our systems are crafted to minimize space consumption, lower operational costs, and create a smoother vehicle management process. Whether you manage a housing complex, a corporate park, or a public facility, our advanced technologies adapt seamlessly to your site requirements.

### Fully Automated Parking Systems

Our flagship automated systems use smart sensors, lift modules, and rotating pallets to park and retrieve cars without human assistance. Drivers simply leave their vehicle at the entry bay, and our intelligent system handles the rest.

This technology drastically reduces waiting time and eliminates the need for ramps or driveways. It's ideal for commercial towers, malls, and urban spaces where every square foot counts.

Trivanta Edge's automation software ensures precision alignment and vehicle safety, while our remote monitoring dashboards allow facility managers to track performance in real time.



### Hydraulic Car Parking Solutions

Hydraulic systems provide simple yet powerful lifting technology that can be deployed in residential or industrial settings. The lifts operate with stable hydraulic pressure, delivering smooth motion and lasting reliability.

Each unit is designed to minimize energy consumption and noise, while offering high load-bearing capacity. Maintenance intervals are low, and the system integrates effortlessly with both single and double-level configurations.

Our hydraulic modules are manufactured with reinforced steel structures and precision seals to ensure long-term durability even under frequent usage cycles.

## Stacker Parking Systems

Stacker parking is a proven, mechanical approach to double or triple your available parking slots without expanding your footprint. The platform-based design allows one car to be parked above another using a safe lifting frame.

It is perfect for showrooms, corporate offices, and apartment complexes. The modular structure enables quick installation and can be relocated or expanded as your parking demand grows.

Trivanta Edge offers both pit-type and surface-mounted stacker systems, ensuring complete flexibility across project scales.



## Puzzle Parking Technology

Puzzle parking operates like a three-dimensional grid where platforms move vertically and horizontally to access the desired car. It maximizes capacity while providing individual vehicle independence.

Our puzzle solutions come with advanced motion control units, real-time sensors, and an intuitive HMI interface for seamless operation. They are designed to fit both basements and above-ground structures.

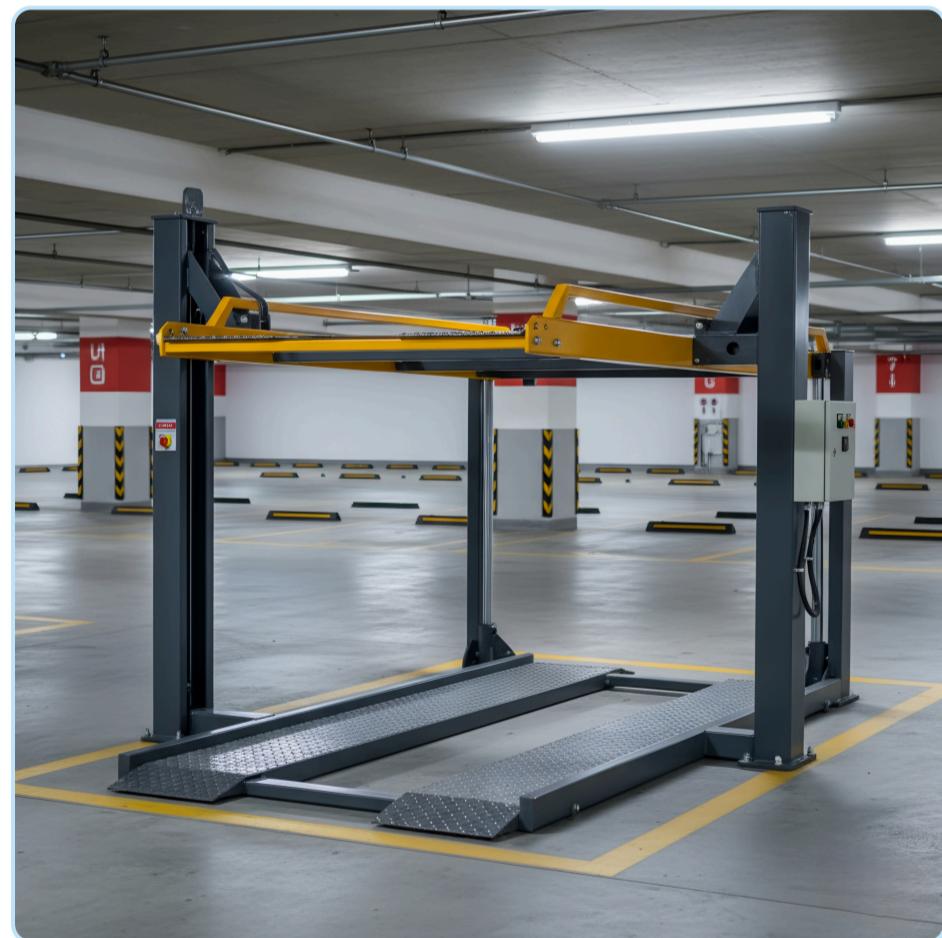
Each module is factory-tested for synchronization accuracy and safety compliance to international mechanical standards.

## Tower Parking Systems

Tower parking systems are vertical marvels that utilize limited ground area for high-volume storage. Cars are moved vertically by an elevator system to their assigned bay.

This solution is perfect for city centers, government buildings, and commercial hubs where land value is high. The structure supports multi-level automation and smart access control for authorized users only.

Trivanta Edge tower systems are engineered for stability, aesthetic integration, and long service life with minimal maintenance.



## Double Bike Stacker Systems

Our double bike stackers provide a space-efficient way to park twice the number of two-wheelers. Each unit consists of two levels of platforms, allowing easy access and secure storage.

The lift mechanism operates smoothly with hydraulic assistance and ergonomic handle design for effortless loading. Anti-slip ramps and wheel locks ensure maximum safety for every parked bike.

Ideal for residential complexes, metro stations, and corporate campuses, this system reduces clutter and enhances organized parking.

## Single Bike Stacker Systems

Our single-tier bike stacker is the simplest and most versatile parking solution for two-wheelers. Designed for compact locations, it offers a smooth manual or semi-automatic lift, accommodating any standard bike model.

Each structure is made of corrosion-resistant galvanized steel, ensuring long-term durability even in outdoor conditions. The platform includes an anti-tilt mechanism for stable loading and unloading.

Perfect for small businesses, housing societies, and city centers — the single stacker combines affordability with reliability.

