



More Parking In Less Space



What if you could **double or triple** your parking capacity using your current volume?



What if you could meet your parking requirements using only **30% to 50%** of your current volume?



This is all possible while also providing a **safe and secure** environment along with a **great customer experience** and a **GREEN** parking solution

# Increased Parking Capacity

Unitronics' automated parking solutions accommodate up to 3 times the number of parking spaces in the same volume as a conventional, ramp-access garage.

## Our automated parking solutions:

- Reduce parking space - no space is required for opening doors
- Reduce vertical height - footprint height is determined by vehicle height
- Increase density - vehicles are placed door to door and bumper to bumper
- Eliminate footprint for ramps and turning radius - the system handles the parking process

## Parking capacity comparison tables

Length/Width		80'x100'		
Parking System		Automated Parking	Conventional Ramp	Ratio
Height or Depth	35'	165	63	2.6
	50'	236	98	2.4
	70'	342	138	2.5

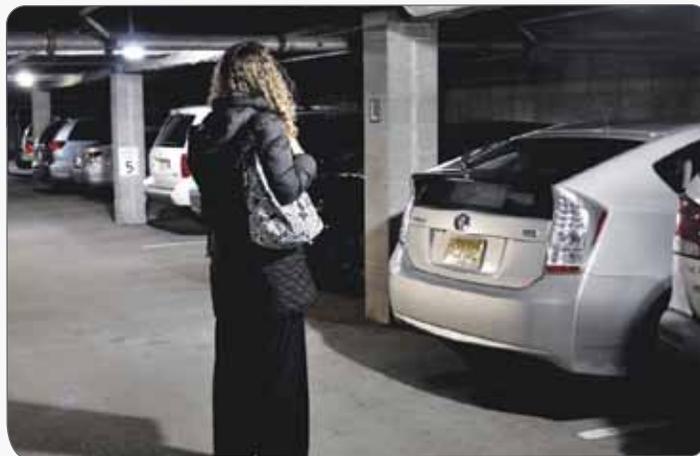
Length/Width		100'x100'		
Parking System		Automated Parking	Conventional Ramp	Ratio
Height or Depth	35'	204	75	2.7
	50'	290	125	2.3
	70'	418	175	2.4

Length/Width		120'x100'		
Parking System		Automated Parking	Conventional Ramp	Ratio
Height or Depth	35'	269	88	3.0
	50'	368	150	2.5
	70'	532	210	2.5

# Safe and Secure

**Unitronics' automated parking solutions provide the ultimate safe and secure parking experience. Using our systems, you can:**

- **Eliminate collision & damage risks** - automated system eliminates the human error factor
- **Prevent theft of vehicles and personal belongings** - the storage vault is not accessible to the public
- **Provide personal security** - vehicles are retrieved from a safe and secure lobby
- **Keep pedestrians safe** - pedestrians do not enter the parking vault



# Great Customer Experience

**Unitronics' automated parking solutions offer a high-quality valet parking experience (without the valet), shorter retrieval period, and easy, worry-free parking experience.**

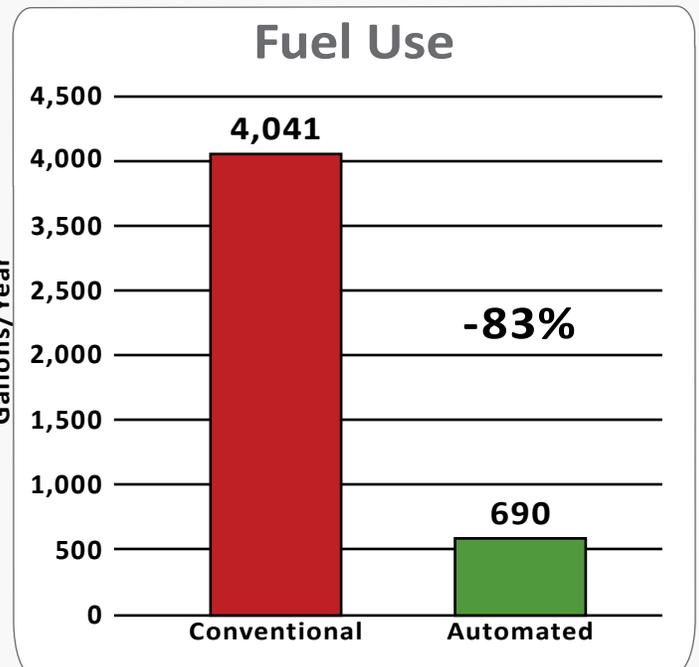
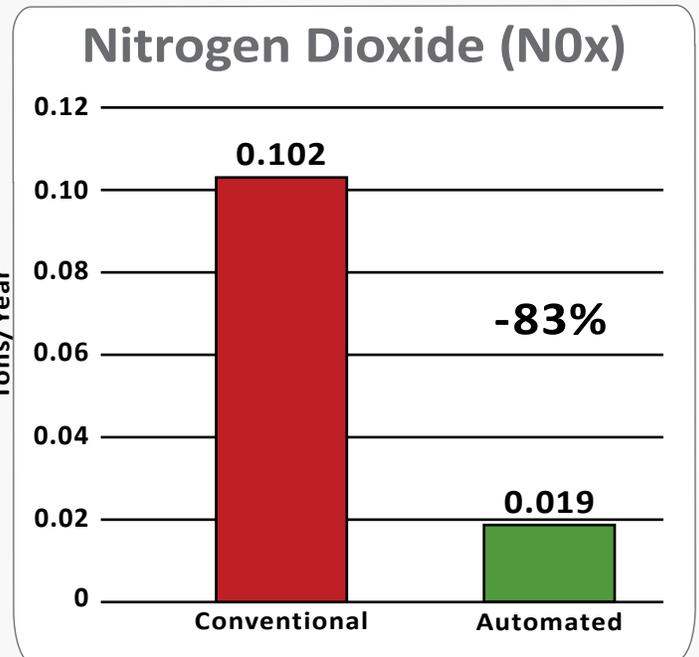
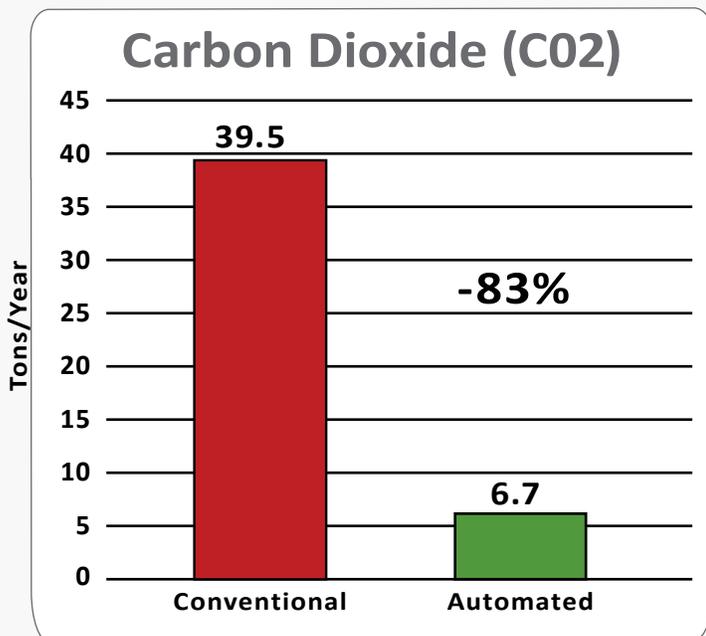


# Green Solution

Contribution towards LEED Credits\*

Reduced pollution by more than 80%  
in fuel use and vehicle emission

Minimize vehicle emissions



## A Green Solution

- Minimal lighting required
- Minimal power consumed
- Minimal ventilation required

## Energy Efficient

Reduce fuel consumption

Data source: National Parking Association PARKING magazine, vol. 48, The Garage of the Future Must be Green, Samuel I.Schwartz, P.E.

\*For more information about the LEED certification system, visit <http://www.usgbc.org>

# Automated Parking - Key System Components

## UniDrive™ - Vehicle Entry and Exit Bay

UniDrive™ is the driver's interface with the automated parking system:

- Guides the driver into position
- Verifies the vehicle's compatibility with the automated parking system
- Provides a safety buffer between the system's moving elements and pedestrians
- Complies with ADA regulations

UniDrive™ models are designed to maximize system efficiency and throughput, offering static or rotating bays and stationary or vertically transporting bays.



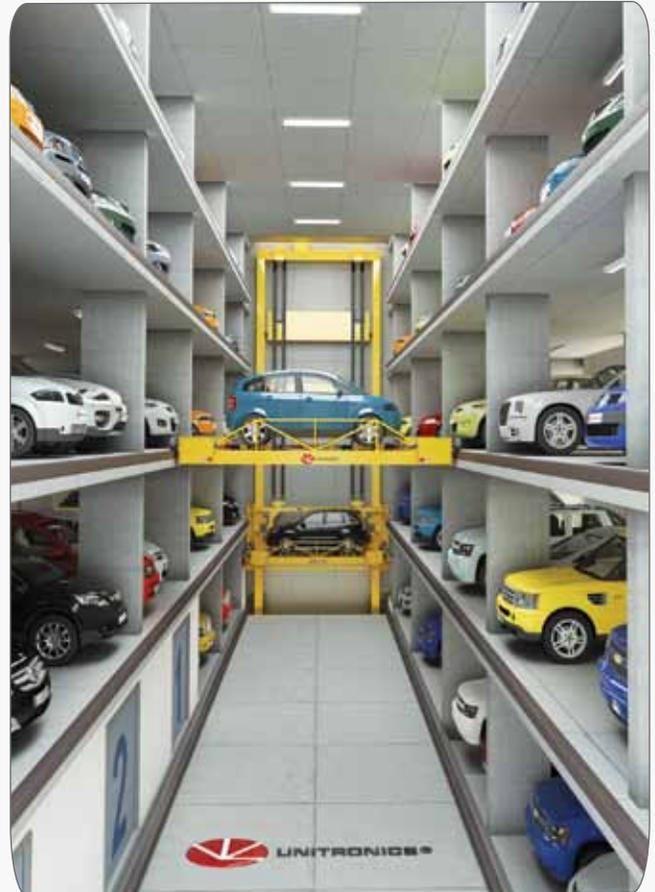
# UniParker™ - Vehicle Conveyance Shuttle

UniParker's™ advanced motion control algorithms and field proven mechanical assembly work without interruption to provide safe, smooth, and fast horizontal movement.

- Horizontally conveys the vehicle between the UniDrive™ (Entry/Exit bay) and the parking position
- The vehicle is securely held at its four wheels, minimizing contact with the vehicle and minimizing handling time
- Automatically adjusts to the vehicle's wheel base

Equipped with advanced communication capabilities, UniParker™ is remotely controlled by the Automated Parking Management Software (APMS).

The UniParker's™ on-board operator panel allows manual operation as part of Unitronics' multi-tier redundancy design.

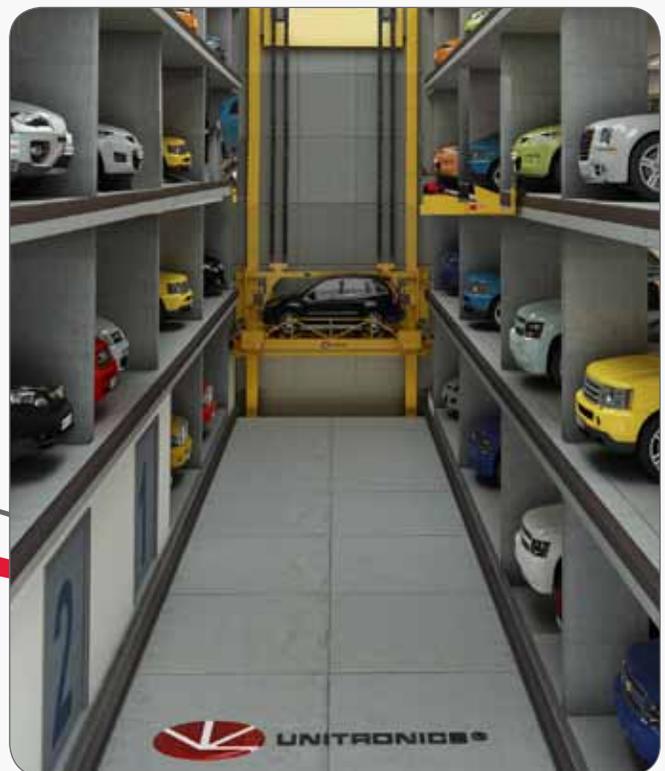


# Automated Parking - Key System Components

## UniVator™ - Multi Level Vertical Lift

- Conveys the **UniParker™** shuttles vertically between the parking levels
- Operates above and below grade

**UniVator's** high speed vertical movement increases the system's throughput by serving multiple storage and retrieval cycles simultaneously.



# Automated Parking Management Software (APMS)

**APMS modules provide you with advanced features, including:**

- Remote site monitoring and management
- Multi-site network management
- Support for all available identification technologies, including RF tags, biometric systems and license plate recognition
- Interface to revenue control systems
- Mobile technologies support
- Extensive reporting and statistical capabilities, such as occupancy, car history, peak times

Unitronics Automated Parking Management Software (APMS) is field-proven software that incorporates two decades of experience, using modern technologies and industrial grade control systems.

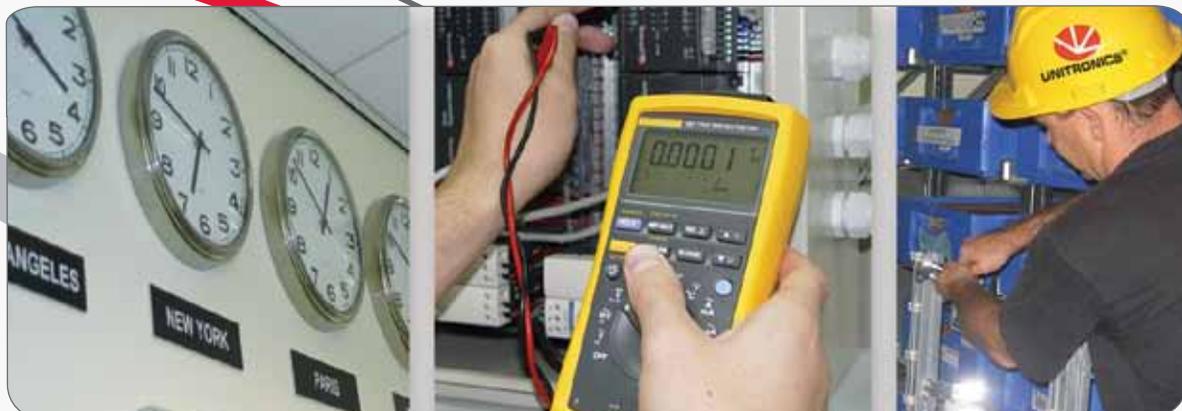


# Service & Support: One point-of-contact

Service, maintenance, and support greatly enhance the long-term success of your automated parking system. Unitronics and its local service agents maintain the highest level of customer support.

## Responsibility for:

- Mechanical components
- Control and electrical systems
- Software systems
- 24 X 7 hotline, 365 days a year
- Permanent availability
- Secured remote access
- Optional online video monitoring
- On-site, on-call visits
- Preventive and periodic maintenance
- Production support and training
- Documentation
- Spare parts



# Case Study

## West Hollywood, California

- **Location:** 8300 Santa Monica Boulevard, West Hollywood, CA
- **Development:** Parking garage
- **Footprint:** 150'x80'
- **Height:** 52'
- **Owner:** City of West Hollywood



## The challenge:

The City of West Hollywood required 200 spaces on a 150'x80' footprint with a high vehicle throughput for patrons. Access points and stairwells for the Fire Department were also requirements for the facility. Unitronics offered a unique design solution in accordance with the West Hollywood GREEN building ordinance.

## The solution:

Unitronics' diligent engineering and project management teams designed a five level automated parking system consisting of UniDrive™ Entry/Exit rotating bays, UniVator™ elevating lifts, and UniParker™ conveyance shuttles.

- From a patron's initial interface with the automated ticketing kiosk to vehicle receipt in the UniDrive™ bay, Unitronics provides a faster-than-valet parking experience
- Reduced CO<sup>2</sup> emissions are equivalent to removing 92 vehicles from the road each year, or to planting 67,000 trees

Unitronics, with its expertise and international success, offered a green and economical parking alternative for West Hollywood residents and visitors.



Unitronics allows you to maximize parking revenue by providing excellent automated parking solutions in a turn-key approach, from system design and engineering through installation and integration, to continuous maintenance and service.

Our experienced automated parking professionals work with you to develop a solution customized to your needs and specifications.

Unitronics incorporates the knowledge and expertise drawn from two decades of experience providing reliable and efficient automated warehousing and automated logistic solutions to leading international companies, such as Intel, Teva and Coca-Cola.

Unitronics advanced technology and unique design provides high throughput and reliable automated parking solutions, incorporating advanced and robust management software and control systems.

Unitronics is committed to excellence.

By partnering with Unitronics, you gain the confidence of a solution that meets the highest standards of excellence in every regard.

## **WWW.UNITRONICS.COM**

### **Unitronics Systems Inc. - Eastern Region:**

Fort Lee, NJ  
Tel: 201-592-1444  
parking@unitronics.com

Quincy, MA  
Tel: 617-657-6596  
parking@unitronics.com

### **Unitronics Systems Inc. - Western Region:**

Los Angeles, CA  
Tel: 323-257-5557  
parking@unitronics.com

### **Regional Offices:**

- San Francisco, CA, 650-343-8769
- Seattle, WA, 206-793-4885
- Vancouver, Canada, 604-309-8109
- Washington D.C., 202-499-5910

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