



AUTOMOTION PARKING SYSTEMS
THE TRUE TURNKEY PARKING SOLUTIONS



AUTOMOTION TP SYSTEM

FULLY-AUTOMATED TOWER PARKING SYSTEM

Our TP parking system was designed to provide a large number of parking spaces on a small footprint.



AUTOMOTION PARKING SYSTEMS, LLC

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TP SYSTEM

ABOUT TP SYSTEM

Universal parking system for high throughput capacity and a high number of parking places in an underground, above ground or mixed solution.



Based on a modular concept that can be built above or below ground, the TP easily adapts to meet the specific requirements of a prospective parking lot and can accommodate up to 100 parking spots per system. Multiple systems can be placed on the site allowing for maximum space efficiency.



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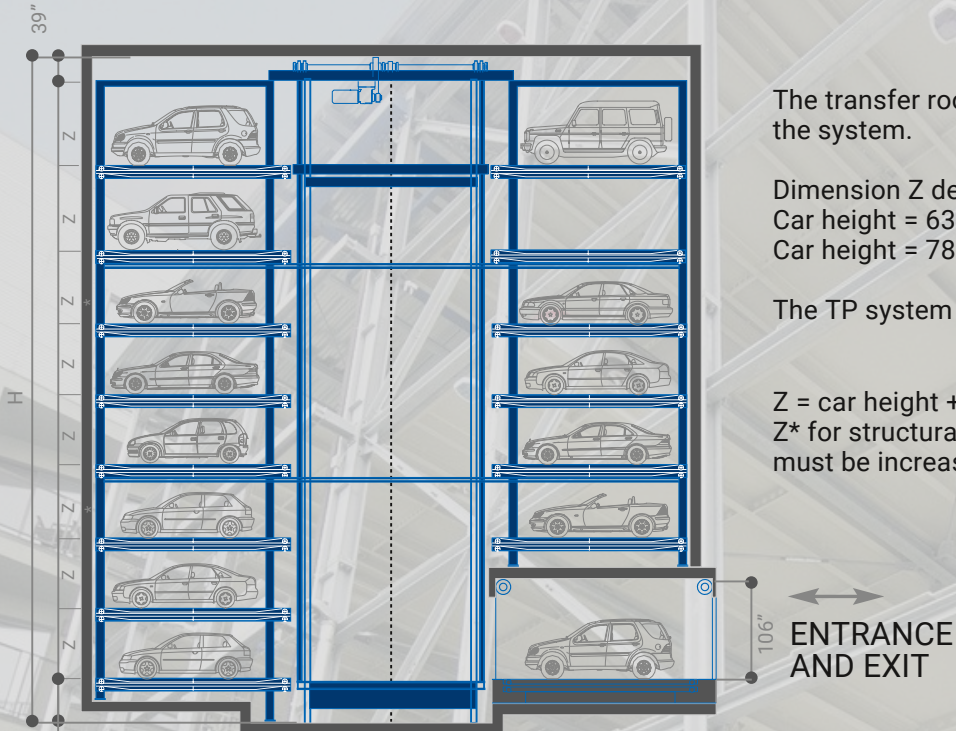


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SIDE VIEW: PARKING SPOTS WITHIN A STEEL STRUCTURE



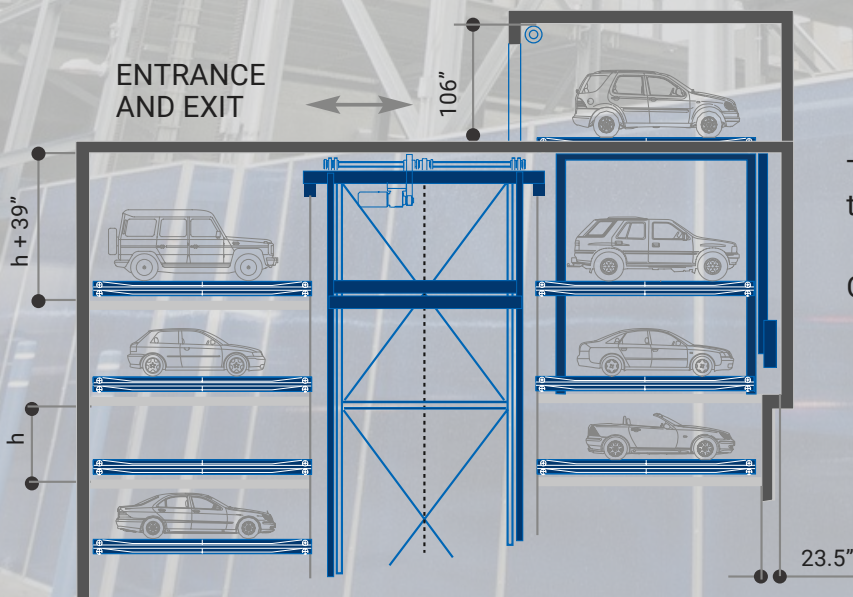
The transfer room can be located on any level within the system.

Dimension Z depends on the car height:
Car height = 63" Z = 74"
Car height = 78" Z = 89.75"

The TP system allows for many possible car heights.

Z = car height + 11"
Z* for structural reasons every third level must be increased by 39"

SIDE VIEW: PARKING SPOTS WITHIN A CONCRETE STRUCTURE

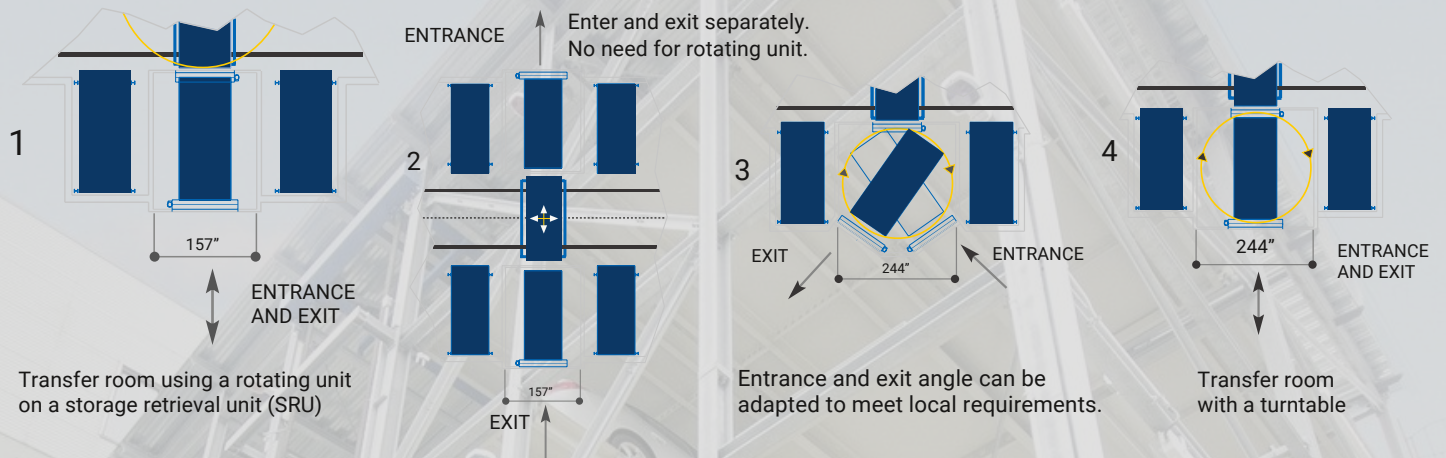


The transfer room can be located above the system, connected via elevator.

Clear height per level = car height + 15"



ENTRANCE AND EXIT ALTERNATIVES



Control cabinets must be installed in a room with a minimum surface area of 11.4' (137") x 71".

The room height must be a minimum of 87". Please note this room should be located close to the transfer room. Parking spots on a steel structure require that the pallet distance X and Y depend on the height of the parking system:

X without wall plates / Y with wall plates $s = 12"$

4 to 6 levels: X = 7" / Y=29"

7 and 8 levels: X = 8" / Y=31"

9 and 10 levels: X = 8.5" / Y=32"

11 and 12 levels: X = 9" / Y = 34"

Dimensions for additional parking levels and free-standing systems are available upon request. Dimensions of parking platform 17.1' (205") x 87"*

*Assumes vehicle dimensions of 16.8' (201") L x 87" W.

All dimensions refer to these platform dimensions. Platform dimensions can be customized.

HOW AUTOMATED PARKING SYSTEM WORKS

Transfer room



Vehicles will be parked head-in inside the transfer room and checked for the correct position. The vehicle will then be parked via the turntable or directly via the storage and retrieval unit onto an empty shelf. To exit, the vehicle will be returned to the driver's head-out. At no time is the driver ever allowed to interact with the automated mechanism.

Turntable



Once the vehicle is parked inside the transfer room, the position checked and passengers have exited, the vehicle will be rotated to a head-out position and parked automatically. The turntable allows for any angle position for entry and exit.

Rack structure



The system can be constructed around a free-standing or in-house steel rack framework. The vehicles are delivered onto parking pallets situated on a rack. As an alternative, a concrete rack structure can be used with pallet rails bolted to the intermediate slabs.

Storage and retrieval unit (SRU)



The automatic storage and retrieval unit moves on vertical and horizontal lines to service the various units of the racks. This system allows for the doubling of available parking compared to conventional garage operations.



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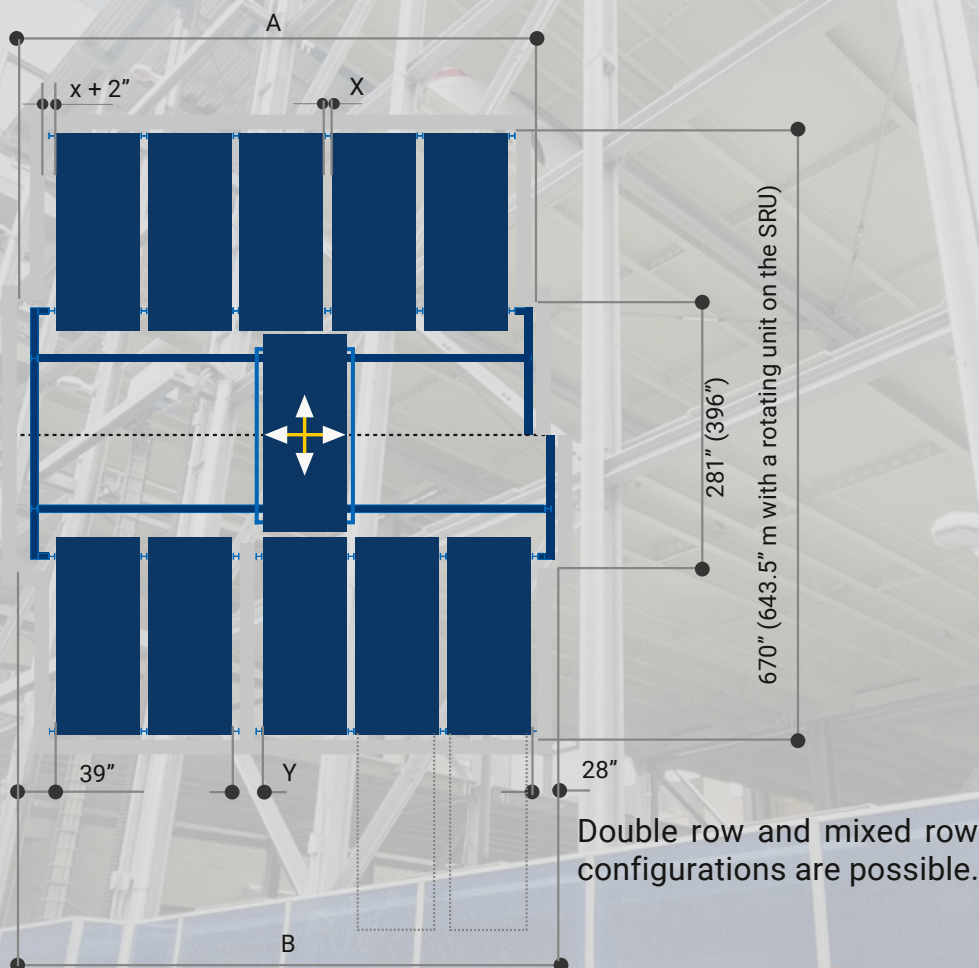
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ADDITIONAL INFORMATION

The TP's transfer room can be placed on any level of the parking system. The transfer room can also be located on a level above the parking area and connected to it via elevator. The TP accommodates a variety of car heights, adding to its flexibility. Like all Automotion parking systems, the TP retrieves cars quickly, minimizing the driver's wait time. The TP's rotating turntable platform, whether positioned in the transfer room or on the storage and retrieval unit (SRU) positions the vehicle toward the exit, allowing the driver to proceed immediately forward.



Parking spots on concrete ceilings require the pallet distance $X = 4.75''$ without wall plates and $Y = \text{thickness of the wall plate} + 11''$.

Control cabinets must be installed in a room with a minimum surface area of $11.4' (137'') \times 71''$.

The room height must be a minimum of $87''$. Please note this room should be located close to the transfer room.



OUR COMPANY

AutoMotion is an innovative parking system that combines a traditional elevator parking system with computerized guidance software. This allows AutoMotion to maximize the number of cars a location can handle while automating the entire vehicle storage and retrieval process. AutoMotion Parking Systems employs a comprehensive staff of architects, engineers, and automated site planning solution specialists to aid in the development of your project. AutoMotion Parking Systems is the leader in transient parking systems in The United States.

UNIVERSAL PARKING SYSTEM (UP)

UNIVERSAL PARKING SOLUTION

- Customized configurations.
- Installation above or below grade
- Retrieves cars quickly, minimizing driver wait times.
- The turntable allows drivers to enter/exit in a driving direction.
- Accommodates a variety of vehicle heights.
- Suitable for public use.

SHUTTLE PARKING SYSTEM (SP)

PARKING SOLUTION FOR A LARGE NUMBER OF PARKING SPOTS AND HIGH-VOLUME TRAFFIC

- Customized configurations.
- Retrieves cars quickly, minimizing driver wait times.
- A turntable allows drivers to enter and exit in a driving direction.
- Accommodates a variety of vehicle heights.
- Suitable for public use.
- Works best in concrete buildings.

WHY OUR AUTOMATED PARKING SYSTEM?

Our fully automated parking garages increase parking up to 100% by sliding cars closer together, both side-to-side and bumper-to-bumper.

Our parking platform allows parking two levels deep with independent access to any car. This can maximize space normally lost in driving lanes and behind columns.

Our turntable allows convenient access in narrow and limited spaces.

LATERAL PARKING SYSTEM (LP)

PARKING SOLUTION FOR NARROW BUILDINGS

- Customized configurations.
- Installation above or below grade.
- Retrieves cars quickly, minimizing driver wait times.
- A turntable allows drivers to enter/exit in a driving direction.
- Accommodates a variety of vehicle heights.

TOWER PARKING SYSTEM (TP)

PARKING SOLUTION FOR SPACES WITH MINIMUM SURFACE AREA AND HIGH HEADROOM

- Customized configurations
- Installation above or below grade
- Retrieves cars quickly, minimizing driver wait times
- A turntable allows drivers to enter/exit in a driving direction
- Accommodates a variety of vehicle heights
- Suitable for public use

