CONSUMER BENEFITS

- **Safe, Secure and Convenient**
  - No one enters the car; personal belongings are secure
  - No scratches, dents, or dings
  - Retrieval in less than 2 minutes for all system applications

- **Groundbreaking Advances**
  - Maximizes land use and parking revenues
    - 2 to 3 times more spots than the conventional parking equivalent
    - Parking spaces can be created where previously impossible
    - Significantly increases project’s financial performance
  - Improves customer parking experience
  - System designed to eliminate the possibility of damage to vehicles
  - Environmentally friendly
    - Consistent with “Green” building requirements – LEEDS
    - Eliminates harmful emissions – no running engines
  - Reduced infrastructure costs
    - Limits underpinning, excavation costs, as well as site preparation
  - Reduced labor costs
  - Reduced operations costs
  - Optional features
    - Fully integrated user interface and cash management system
    - Car wash
    - Remote management
    - Redundant power supply
  - Research & Development
    - Bomb detection
    - High security facility

**Car Parking TP System**

The TP system is a parking solution for small surface areas with high headroom. 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. 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 Automation 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.

**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.

\[ Z = \text{car height} + 11" \]
\[ Z^* \text{ for structural reasons every third level must be increased by 39”} \]

**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

1. Transfer room using a rotating unit on a storage retrieval unit (SRU)

2. Transfer room with a turntable

3. Entrance and exit angle can be adapted to meet local requirements.

4. 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.

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: $X = 85'' / Y = 32''$
  - 11 and 12 levels: $X = 9'' / Y = 34''$

Dimensions for additional parking levels and free-standing systems available upon request.

Dimensions of parking platform $17.1' (205'') \times 87''$

*Assumes vehicle dimensions of $16.8' (201'') \times 87'' W$.

All dimensions refer to these platform dimensions.

Platform dimensions can be customized.

Parking spots on a concrete ceiling 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.
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.

STOPA is one of the global leaders in automated storage systems with more than 1800 installed systems including car parking systems of more than 3000 fully automated parking spaces.

<table>
<thead>
<tr>
<th>SP System</th>
<th>LP System</th>
<th>TP System</th>
<th>UP System</th>
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<tbody>
<tr>
<td>Parking solution for a large number of parking spots and high-volume traffic</td>
<td>Parking solution for narrow buildings</td>
<td>Parking solution for spaces with minimum surface area and high headroom</td>
<td>Universal parking solution</td>
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<tr>
<td>■ Customized configurations</td>
<td>■ Installation above or below grade</td>
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<tr>
<td>■ Retrieves cars quickly, minimizing driver wait times</td>
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<td>■ Works best in concrete buildings</td>
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<th>Carbox System</th>
<th>Parking solution for a maximum of 20 parking spots</th>
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<tbody>
<tr>
<td>■ Suitable for long-term parkers only</td>
<td>■ Single or double row configurations</td>
<td>■ Installation above or below grade</td>
<td>■ Turntable optional</td>
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