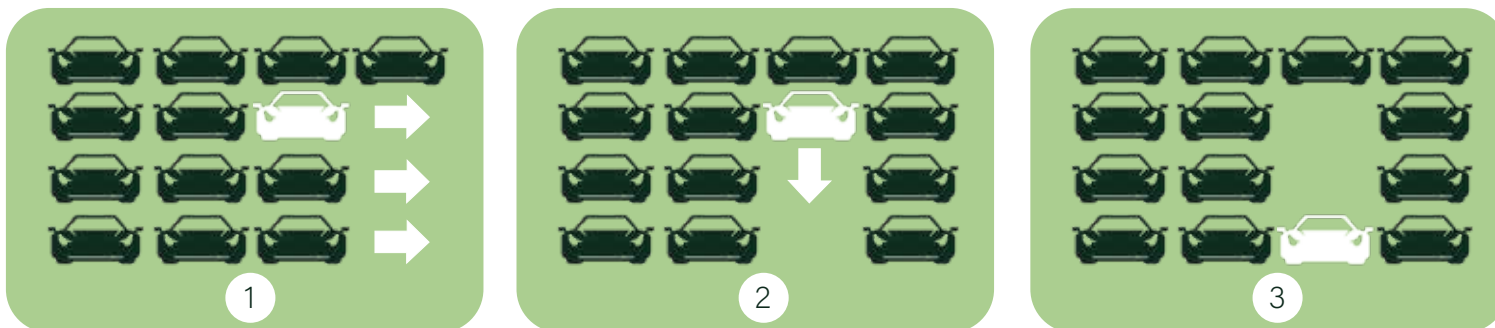




Our most popular and versatile mechanical parking solution is the Puzzle. TAPCO designs and installs 2, 3, 4, 5, 6, and 7 level configurations in both single rows and tandem, 2, 3, 4 level systems. TAPCO can add a -1 or even a -2 pit level. The Puzzle solution is used in a variety of verticals, primarily: multi-family, mixed use, and office. These systems replace attended mechanical stacker's, in return, offering independent access by the user and omitting any demand for attendants, all while lowering your opex. The Puzzle system can be installed indoors or even outdoors provided you incorporate a skin/cladding in environments with inclement weather conditions.

Puzzle in a Box

PUZZLE SYSTEM



Except for the top level and/or a Pit level, the Puzzle solutions requires you to leave one space blank per level. This allows the system to maneuver allowing the user to independently access their vehicle using a user interface kiosk located on the module, or using a remote key fob.

Find below the process to retrieve the car identified in white in the illustration above:

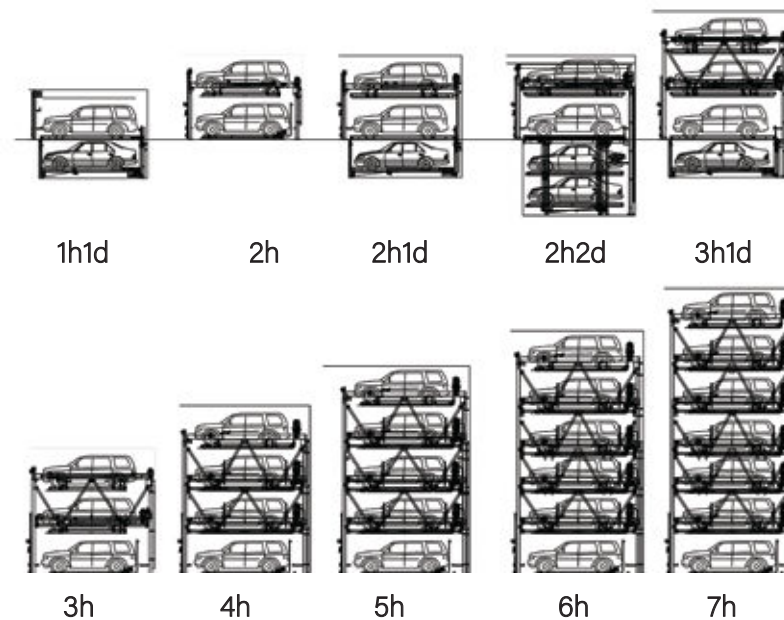
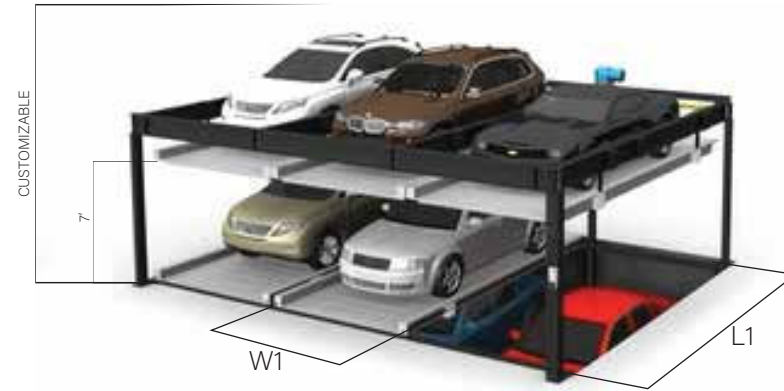
- Summon the system from your remote key fob or user interface kiosk located on the system
- The two levels below the white auto will traverse right allowing for a clear vertical path.
- The white car can then freely lower to the ground level where the user can capture their vehicle.

SAFETY FEATURES

- Chain sensors
- Infrared gate sensors
- Height sensors
- Emergency shutoff
- Gravity lock for securing platform in the "up" or "down" position
- Rear wheel chock
- Automatic shut off when operator release key
- Overrun Sensors in front and rear

DIMENSIONS

Width C-C (W1)	7'-10"	8'-0"	8'-2"	8'-4"	8'-6"	9'-0"
Car Width	6'-2"	6'-4"	6'-6"	6'-8"	6'-10"	7'-4"
C-C System Length(L1)	19'-8"	20'-9"	21'-5"			
Car Length	15'-9"	16'-5"	17'-0"			



BENEFITS

- Self supported structures
- Well suited for multifamily residential or office use.
- Customizable.
- Tandem configurations
- Easy Installation TAPCO's specially designed structure, and partly pre-assembled main components make the installation efficient and timely.
- Module width is available in 2 and 3 wide with the ability to mix and match modules to achieve an optimal space count.
- Shared legs among modules.
- Top of the line all open source components.

TAPCO offers catwalks for those municipalities that require fire access to the upper levels and/or upon request.

TECHNICAL DATA

Average Retrieval Time	8-90 Seconds Depends on system and car level
Capacity	5200lbs/6000lbs/7000lbs
Power Supply	408-277 V, 3 Phase 208-120, 3 Phase
Lifting Motor	4.0kw (5.36HP) (5.5km for +5 high systems)
Traversing Motor	0.37kw(0.50HP)
Disconnect	1 Disconnect per Module
Operation Mode	PLC Control
Operation Method	Touch screen or Key Fob
Emergency Stop Switch	Included on kiosk
Drive System/Motor	SEW-Germany
PLC/Sensor	Schneider
Applicable Code	Current building code
Seismic Loads	Project Specific
Safety Gate	42" Height standard 60" and full height optional
Material	Galvanized/Powder Coated

Temperature:
The installation is designed to operate between +5°and +40°C. Atmospheric Humidity: 50% at +40°C.

Illumination:
Illumination should be considered to meet local AHJ (authorities having jurisdiction) requirements.

Maintenance:
Service maintenance agreement available by TAPCO.

Warranty:
TAPCO offers one year manufacturers warranty, extended warranty provided if service maintenance agreement is agreed to.

Protection against corrosion:
TAPCO suggests routine cleaning of dirt, debris, salt, snow, and any automobile fluids.