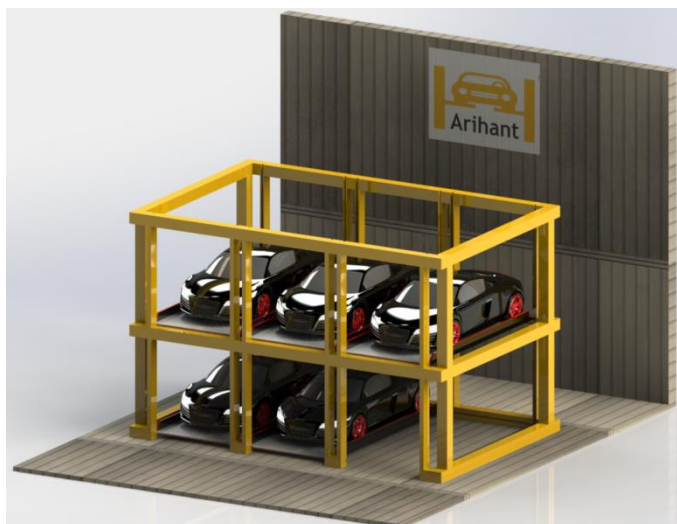


PUZZLE CAR PARKING SYSTEMS (TWO LEVEL) AP2PS

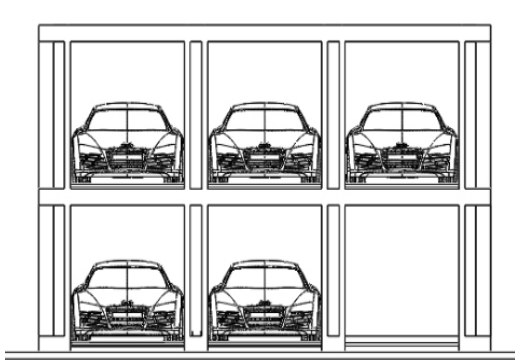


ARIHANT's puzzle parking systems is a car parking system providing independent parking spaces for cars on two levels, and side by side. Parking spaces are arranged on two different levels, one on the top of the other with platform as per requirement. Upper floor platforms are moved vertically, the platforms on the ground floor are moved horizontally. Multiple entries to reduce time. Simple operation and easy maintenance. Occupies less space & provide maximum number of parking space. This system is suitable for basements, podiums or open spaces in commercial & residential establishments. Variation available from 2 to 6 levels

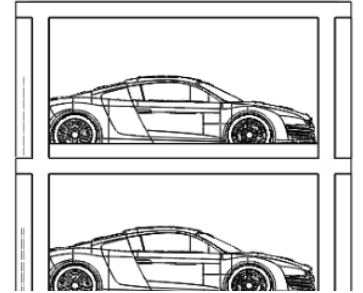
General details

Max load (kgs)	2000kg per platform
Operation	Dependent
No. of parking slots	5 & plus (as per clients requirement)
Working system	Hydraulically driven with heavy duty chain / Electrically Operated with Cylinders
Material used	Mild steel , hot dipped galvanised
Coating	Powder coating / painting as per client requirement
Motor	Motor 2.5 hp
Travel speed	Lifting time: 40-45 sec and sliding time: 15-20 sec
Power source	Main - AC 415V, 3 PH, 50 Hz & Lighting - AC 220V, 1 PH, 50 Hz
Power consumption	0.03 units per operation (approx.)
Operated with	Push button operated with safety electric control panel key locking system.
Structure	Five or more horizontal platforms for parking with front wedge per parking operated on Steel pillars with sliding platform supports.
Safety systems	Emergency Stopper, Pallet Stopper/Anti-Fall, Safety Sensors, Cam Limit Switch, photo sensor.
Application	Residential,Commercial,Hotels,Malls,hospital etc.

Dimensions with layout



Length	5050 mm
Width	2500 Mm
Platform width	2100 mm
Lifting height	1800 mm



(as per requirement & layout plan at actual site)

Technical specification

- Systems stands on steel pillars & structures fabricated on base plates operated on Steel pillars with sliding platform supports. (mounted on the floor into the floor/ pit/ well)
- Platform made of hot dipped galvanized corrugated floor plates to reduce dead weight & increase durability.
- with two sliding platforms (mounted on to the steel pillars with sliding bearings) & with Running rails for transversely movable ground floor platforms
- Five platform & can be increased as per requirement. One slot kept empty for movement of other platforms.
- System is operated on mechanical control system (to ensure proper synchronous operation of the hydraulic cylinders while lowering and lifting the platform)
- Systems is lifted & lowered on bases of Two hydraulic cylinders.
- Automatic hydraulic safety valve (prevents accidental lowering of the platform)
- Connecting elements, bolts, nuts, etc.

To be performed by the customer

- Customer should provide a proper parking space allotted as per plan without any obstruction.
- Civil work would be under client's scope for the foundation of the puzzle parking systems at the allotted space for system.
- Lockable storage room should be provided at the site for storing tools, equipment's & other valuables needed during erection
- We recommend the provision of a drainage channel at the front for pit puzzle parking.
- For electric supply , 3 phase, 415 V (±10%) 50 Hz (±2%) 4 wire (3 PH + N + PE) electrical 2 supply to the main power point and the control wire line (5 x 2.5 mm , copper 3 PH + N + PE) with marked wire and protective conductor must be provided by customer during installation.
- Railings and safety fences concerning the building structure and proper safety around the parking systems
- Additional small space should be allotted for installing the hydraulic power pack system.



