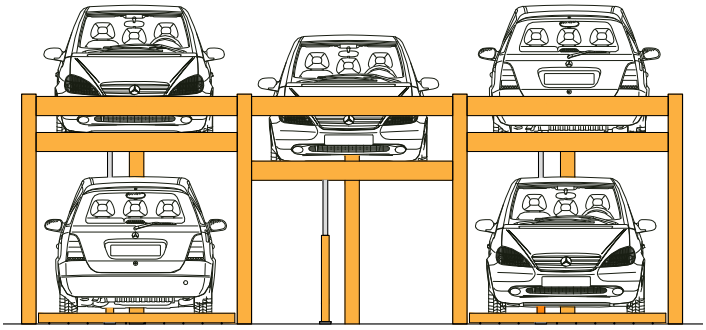
TWO LEVEL PUZZLE PARKING (E2PS/PM/PB)

This is a two level parking systems where the platforms slide horizontally thereby making it easier to park and retrieve cars, without having to remove cars on the ground floor. The number of ground level slots can be a maximum of 6. One slot on the ground level needs to be kept empty.



TYPE	Two Level Puzzle Parking
MODELS	E2PS/E2PM/E2PB
NO. OF CAR PER UNIT	Variable (Minimum 3 and maximum 11)
LIFTING CAPACITY	2000 Kg [Per Car Weight]
LIFTING TIME	35 - 45 Seconds per Stack
SLIDING TIME	15 - 20 Seconds per Platform
OPERATION	Upper Stack lifting with Hydraulic Cylinder, Lower Stack Sliding Either Side With Motor Chain Mechanism. Integrated System with Touch Screen/ Keyboard operation.
POWER SUPPLY	415 V, 3 phase, 50 Hz
POWER CONSUMPTION	Up to 0.03 units per Stack Lifting and 0.01 units per sliding operation (approx).

Standard Features:

- Fast and automatic retrieval of cars from the parking Space without removing any cars parked on the ground level of the system.
- One slot left empty at all times for movement of ground level platforms.
- Hot dipped Galvanized Corrugated floor plates to reduce dead weight and increase durability.
- Totally enclosed Compact Power pack systems with rubber bush fittings for reduced noise levels.
- Motor- Chain operated Sliding Mechanism.
- Single Power Pack per system to reduce cost.
- Complete system monitored with photo sensors for smooth and error free automation.
- Limit switches provided for each slot.
- Electromagnetic safety locks provided for upper level stacks.
- Fully automatic integrated operation.
- Emergency Shut Down switch located every 6m or minimum 1 per system for smaller sizes.
- Optional Touch Screen/Numerical Keyboard operation Panel.

Requirements from Client:

- Parking area allotted must be cleared with no obstructions.
- While erection of the system client should provide storage facilities for keeping our tools and other valuable parts of the system.
- Temporary Electrical connection must be provided at the time of erection and installation of the systems.
- MCB and Main Electrical Connection (or 4 Pole RCBO) along with electrical cable fitting must be provided from the Main Power supply to the parking systems. With 3Ph 415V AC, 50Hz with Neutral and Earth(3Ph+N+E).
- Incoming Cable Size Should be atleast 5 Core x 2.5 sq.mm. Flexible Copper multi Core cable (3PH+N+E) from Main Switch to Control Panel.
- Civil work as foundation for stack parking system must be done at stack parking allotted area prior to installation.
- Base area of the parking space allotted shall be Concrete with minimum strength of M20.
- In case of Parking Installed in open to Sky location, it is recommended to have a weather covering over the installation to prevent damage to the electronics / mechanism due to weathering.