**Hydraulic 3L Stack Parking System**

The **Hydraulic 3-Level Stack Parking System** is a revolutionary innovation in space optimization, designed to provide three times the parking capacity within a compact footprint. With its smart hydraulic lifting technology and carefully engineered structure, this system combines high efficiency, reliability, and user convenience. Unlike conventional multi-level systems that require heavy architectural modifications, the 3L Stack Parking System is designed with **minimal architectural requirements**, making it highly adaptable for residential complexes, commercial projects, and high-density urban areas.

This system offers **semi-independent operation**, meaning vehicles can be parked or retrieved with minimal dependency, ensuring smoother traffic flow and reduced waiting time. Built from heavy-duty steel with advanced corrosion-resistant treatment, it ensures durability and long service life. Its intelligent design allows safe handling of sedans, SUVs, and other passenger vehicles, while integrated safety features like anti-fall locks, overload protection, and obstruction sensors provide maximum security. By offering **the highest parking efficiency in its category**, the Hydraulic 3L Stack Parking System is the ultimate solution for developers, property managers, and private owners looking to maximize parking space without compromising safety, convenience, or aesthetics.

**General Specifications**

* **System Length:** 5000 mm
* **System Width:** 2350 mm – 2850 mm
* **Pallet Width:** 2000 mm – 2400 mm
* **Clear Platform Height (Per Level):** 1600 mm – 1800 mm
* **Pit Depth Required:** 2000 mm – 2300 mm
* **Total Pit Height:** 2000 mm – 2300 mm
* **Total Pit Length:** 5000 mm (same as system length)
* **Shaft Height (Above Ground Level):** 3500 mm – 4200 mm+ (for upper car clearance)
* **Lifting Capacity / Car Weight:** Up to 2000 – 2500 kg per car
* **Operation:** Hydraulic lifting system
* **Power Requirement:** 2.2 kW – 3.0 kW, 3-phase
* **Structure:** Heavy-duty steel with powder-coated finish and anti-corrosion protection
* **Safety Features:**
  + Semi-independent car access
  + Mechanical and hydraulic locking systems
  + Anti-fall safety device
  + Overload protection system
  + Emergency stop button
  + Obstruction detection sensors
* **Suitable For:** Sedans, hatchbacks, SUVs, luxury vehicles