



PRODUCT IMAGE



PROJECT REFERENCE

PCX SUV AUTOMATED PARKING SYSTEMS

Rotary Parking System — SUV

The world's first high-capacity vertical carousel specifically engineered for full-size SUVs — powered by KETTP's patented DRMT (Dual Redundant Megadrive Transmission) dual slewing ring drive that delivers ultra-smooth, near-silent rotation with zero vibration. Eight to eighteen SUVs rotate in a vertical loop within a single tower footprint, with IC card or app access delivering any vehicle in under 90 seconds.

KEY FEATURES

- World's first vertical carousel rated for full-size SUVs up to 2,500 kg per pallet
- Patented DRMT Dual Slewing Megadrive Transmission: ultra-smooth, silent rotation
- 8–18 SUVs per tower — retrieval of any car in under 90 seconds
- 100% driverless operation: IC card, RFID or smartphone app vehicle request
- PLC management with real-time occupancy dashboard and remote fault alerts
- Modular tower height: configure from 8 to 18 pallets to match available ceiling
- Emergency evacuation mode delivers all vehicles to grade in manual fallback sequence
- CE certified; patented technology registered globally

TECHNICAL SPECIFICATIONS

Vehicle Capacity	8–18 SUVs per tower
Max Pallet Capacity	2,500 kg
Cycle Time	< 160 seconds (any vehicle)
Drive Technology	DRMT Dual Slewing Megadrive (patented)
Control System	PLC
User Access	IC Card / RFID / Smartphone App
Operation Mode	100% Driverless
Tower Footprint	Double bay — minimal land use
Remote Monitoring	Real-time cloud dashboard
Emergency Mode	Manual fallback evacuation
Noise Level	Less than 70 DB
Certification	CE Marked (Patented)

DIMENSION DRAWING

