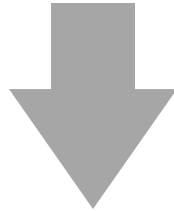




Why do we need **Smart Parking Robot System?**



It is possible to solve the problem of serious parking shortage in the city center due to **the drastic increase** in parking efficiency.

System Features

More parking spaces



Over 30% parking pace up

Convenient



Robot valet parking system

Safe



No accident for unmanned

Eco-Friendly



No idle for eco-friendly parking lot

Anti-theft



No idle in parking lot

Cost reduced



No construction and manpower cost

Easy to extend



Easy to change the lay out

Fast parking / retrieval



Fast parking and exit

2 types of Parking Robot



Pallet type _ MP3P-3000



Palletless type _ MPL3-3000

Specifications

Mechanical	Robot Weight	About 700kg
	Max. Payload	3000 kg
	Lift Stroke	50~70 mm
	Speed	Aver. 30m/min (Max. 50m/min)
	Max. Speed	48m/min 1m/sec(1ton)
Electrical	Controller	CORETEX-M4 Based
	OS	Embedded PC based (Window OS)
	Motor Driver	DC48 BLDC 1.5KW / DC48 BLDC 800W(Rotating)
	Battery	Over DC 48V 210Ah (Optional)
	Operating Hour	15 hours (unloaded) / 8 hours (loaded)
	Charging	2 Hours (Optional)
Special	Communication	WiFi
	Guide	QR code tag (5x22mm), Printed sticker type
	Navigation	Embedded PC based (Window OS)
	Sensor	LiDAR (SICK or Hukuyo) / Bumper sensor
	ETC	Rear Lamp, Alarm, Emergency switch, Power lock, LCD

2 types of Parking Robot



Pallet type _ MP3P-3000

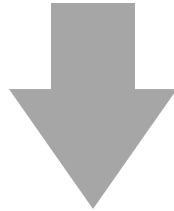
It is a pallet-type parking robot system in which robots lift vehicles parked on the pallet to find empty spaces and move autonomously.



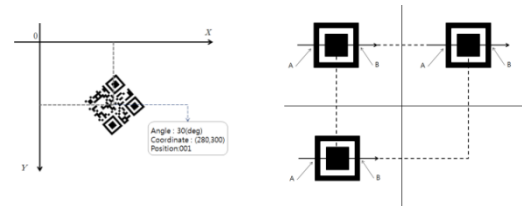
Palletless type _ MPL3-3000

It is a parking robot that enters the bottom of the vehicle without the need for a pallet and lifts the vehicle, and is more advanced than a pallet-type parking robot with state-of-the-art sensor technology and autonomous movement technology.

Have you ever seen such a state-of-the-art **Smart Parking Robot System**?

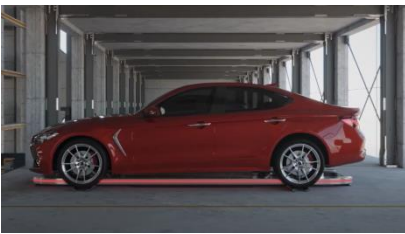


Our smart parking robot system is the first R&D and commercialized system in Korea and has been recognized for its technology in QR code-based autonomous driving technology, motor driving technology, sensor technology, and robot control system.



Advanced Technology of Palletless Parking Robot

No Pallet Needed



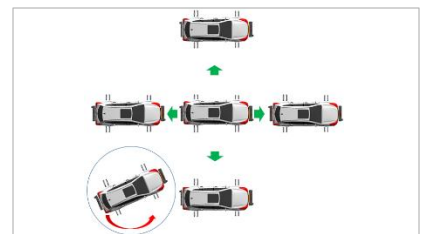
Under-ride type



3D Scanning



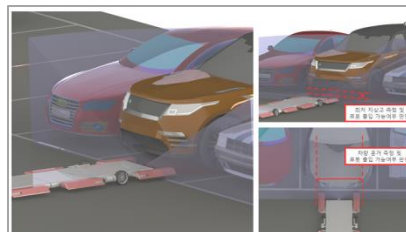
Various movement



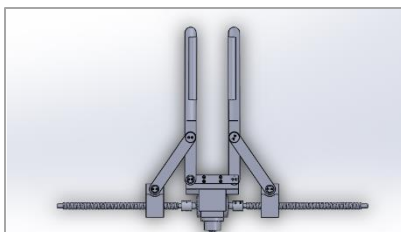
All Vehicle compatible



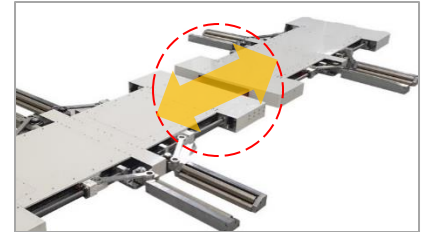
Tire recognition



Lifting Mechanism



Scissors type



More about system

