

Standardized Products, Customized Applications

Intelligence and Smart Logistics

One-Stop Solution Integrator

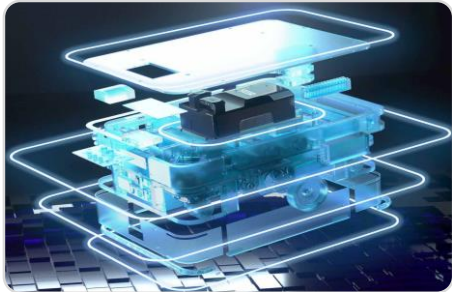


One-Stop Solution Integrator for Intelligence and Smart Logistics

자율주행로봇

AMRs

Laser SLAM AMRS
Controller / Dispatching System



자동창고시스템

AS/RS

Mini Load/Pallet
Mini Shuttle/Pallet MDPS



자동분류시스템

Sorting System

Cross-belt Sorter
Swivel Wheel & Pivot Sorter



컨베이어시스템

Conveyors

DC/AC Motor Roller
Diverter, etc.





AMR | Autonomous Mobile Robot Solutions

Laser SLAM 기반, 재킹/피킹/포크리프트/복합 로봇

SRC | AMR Controller Solutions

모든 AMR과 호환, 풍부한 외부인터페이스

SEED | SEER Enterprise Enhanced Digitalization

Dispatch System, WMS, 데이터 시각화관리시스템

RoboView | Visual AI Solutions

실시간 모니터링 및 통합관리, 화재 등 안전관리



5,000여건의 방대한 운영 시나리오 데이터베이스

Controller (SRC)	
Bus Interface	CAN, RS485
Internet Interface	Ethernet, Wi-Fi
Other Interface	USB2.0/3.0, HDMI
Position Accuracy	±10mm, 1 ^o
Navigation Speed	≤2m/s
Map Area	≤400,000m ²
Working Temp.	0 ~ 50°C
IP Protection	IP42 / IP65

Model	Jacking Robot (AMB-150J)	Auto-Forklift (SFL-CDD14)	Picking Robot (SPK-HAI-A42M)
Navigation	Laser SLAM	Laser SLAM	Laser SLAM
Dimension	780*550*260	1650*990*2043	1300*800*2100
Rotating Dia.	909mm	1,182mm	1300mm
Load Weight	150kg	1,400kg	150kg
Lifting Height	60±2mm	3,000mm	1,740mm
Accuracy	±5mm	±10mm	±10mm
Navi. Speed	≤1.5m/s	1.5m/s	≤1.3m/s

자·동·창·고·시·스·템 AS/RS



Efficient Inventory Management

자동 선입선출로 효율적 재고관리 및 누적재고 방지

Preservation

정밀제어로 제품 파손율 0%

Computerization

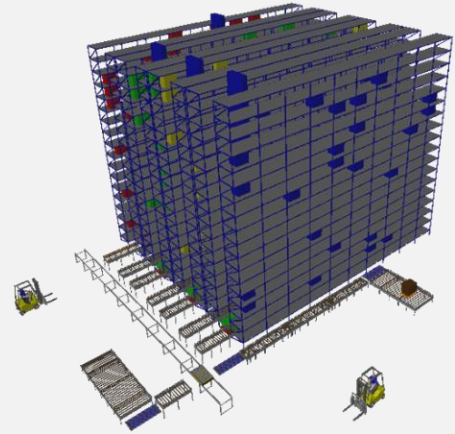
컴퓨터 정보관리, 상위시스템과 Seamless한 연결

Cost Saving

무인화 및 직관적 UI

Space

공간활용 극대화



We Supply One-Stop Solution integrated with AMRs.

Category		AS/RS		Shuttle System	
		Mini Load	Pallet	Mini-Shuttle	MDPS(pallet)
Install. Height		20m	40m	20m	25m
Load Weight		50kg(30*2)	1,500kg	50kg	1,500kg
Speed	Travel	300m/min	180m/min	240m/min	120m/min
	Lift	100m/min	80m/min	180m/min	60m/min
	Fork	60m/min	50m/min	30m/min	30m/min
Type of Rack		Free-Standing Rack or Rack-Supported Building			

자·동·분·류·시·스·템 Auto Sorting System



Excellent Performance

시간당 15,000개 이상 화물 선별

Easy Maintenance

부품의 모듈화, 유지보수 요소 감소

Low Noise & High Speed

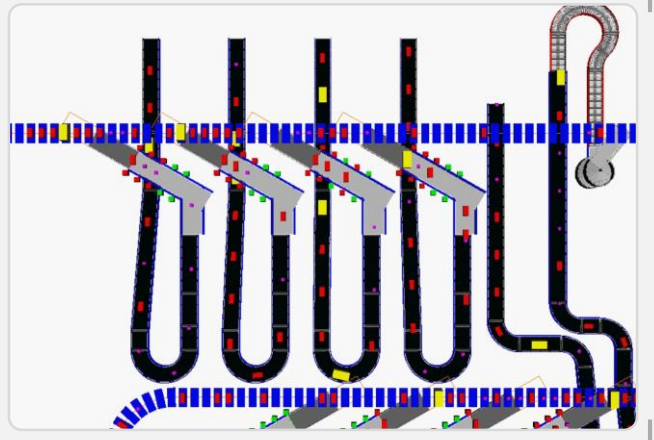
70dB 이하, 3m/sec

Low Energy Consumption

LSM (비접촉식, 반영구적)

1 Unit 1 Carrier / 2 Carrier System

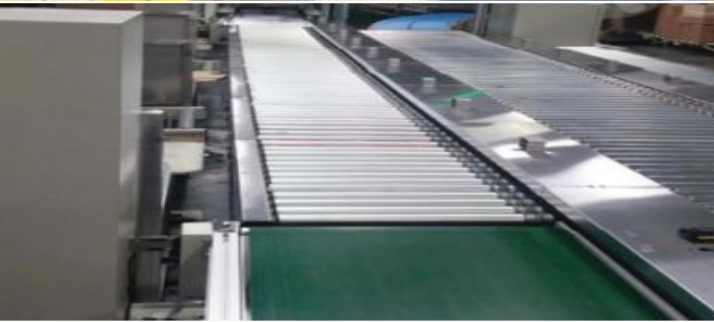
소형부터 대형까지 거의 모든 화물 처리



We Supply One-Stop Solution integrated with AMRs.

Category		Cross-belt		Swivel Wheel	Pivot Diverter
		Large Type	Small Type		
Capacity		13,500pph	16,560pph	9,000pph	5,000pph
Load Weight	Max.	Max.50kg	Max.30kg	Max.30kg	Max.30kg
	Min.	0.3kg	0.1kg	0.2kg	0.2kg
Load Dimension	Max.	L1,000*W800*H800	L500*W400*H400	L800*W600*H600	L800*W600*H600
	Min.	L200*W200*H20	L100*W100*H5	L150*W150*H20	L150*W150*H20
Speed		3m/sec	2.5m/sec	2.3m/sec	1.5m/sec
Power Supply		LSM	LSM	DC24V	

컨·베·이·어·시·스·템 Conveyor System



All about Conveyor System

DC/AC Motor Roller, Pulse Diverter, Controller

Benefits

저전력, 저소음, 내구성, 시스템경량화/집적화

Easy Maintenance

간단한 유지보수, 시스템 down time 최소화

Powerful Performance

강력한 구동파워/출력

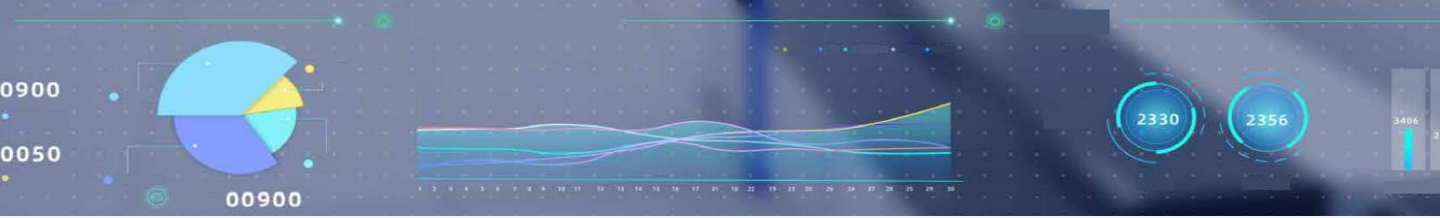
Accessories

Urethane O-ring/V/Flat Belt, Poly-vee Belt

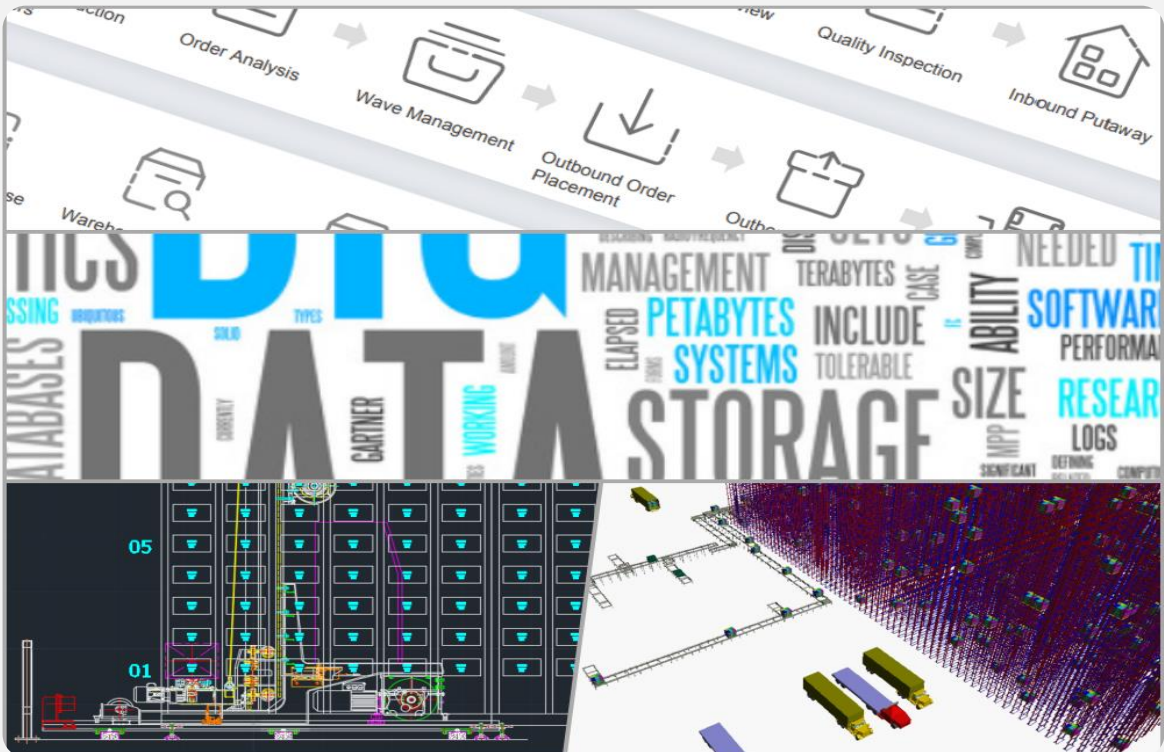


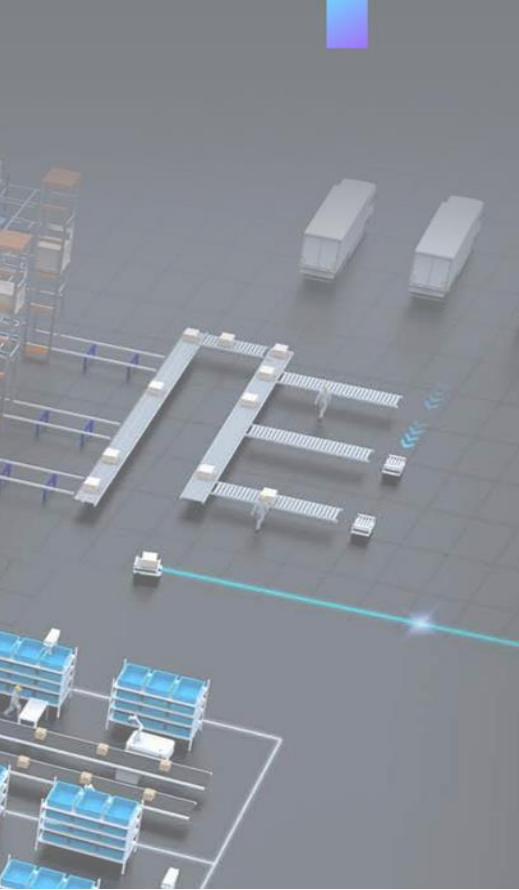
We Supply One-Stop Solution integrated with AMRs.

Product	DC Motor Roller	AC Motor Roller	Pulse Diverter
Rated Vol.	DC24V	AC220~380V	DC24V
Load Weight	Max.1,500kg	Max.1,500kg	Max.150kg
Length	Max.1,500mm	Max.1,500mm	Max.W1000*L1000
Speed	2.0 ~ 304m/min	2.0 ~ 100m/min	Max.40m/min
Material	ZAM / Uni-Chrome / Stainless Steel		Belt / Chain



- 기초, 설계 데이터 분석
- 합리화 방안 / 대안 검토 수립
- 시뮬레이션 / 모델링
- 유사 사례 검토
- 맞춤형 컨설팅
- 엔지니어링 Report





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One-Stop Solution Integrator

JK Robotics
ROBOTICS 제이케이 로보틱스