Standardized Products, Customized Applications

Intelligence and Smart Logistics
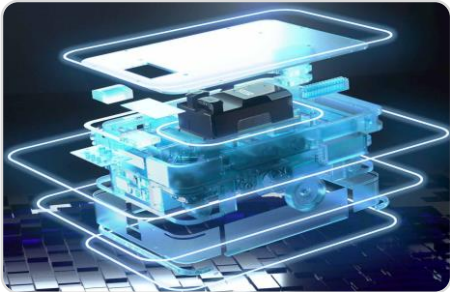
One-Stop Solution Integrator

JK Robotics 제이케이 로보틱스

One-Stop Solution Integrator
for
Intelligence and Smart Logistics

AMRs

Forklift Robot
Jacking Robot
Picking Robot
Customized Robot

AS/RS

Mini Load System
Pallet System
Mini Shuttle
Pallet MDPS

Sorting System

Cross-belt Sorter
Swivel Wheel
Pivot Sorter

Conveyors

DC/AC Motor Roller
Diverter, etc.

AMR | Autonomous Mobile Robot Solutions

Forklift, Jacking, Picking and customized robots

SRC | AMR Controller Solutions

Compatible with all robots and abundant interface

RDS | Resources Dispatching System

Robot dispatching and traffic control

RoboView | Visual AI Solutions

Real time monitoring

Software Configuration

Seer Enterprise Enhanced Digitalization Middle-platform

Customer MES

One-stop Implementation tool

Roboshop Pro

Hardware Configuration

SRC

SRC series core controller

AMB series unmanned chassis

Laser SLAM automatic forklifts

Commercial mobile robots

Industrial mobile robots

Building a dBase up to 5,000 cases + of operating scenarios

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

Auto Storage and Retrieval System   AS/RS

Efficient Inventory Management

Efficient inventory management through automated FI/FO

Preservation

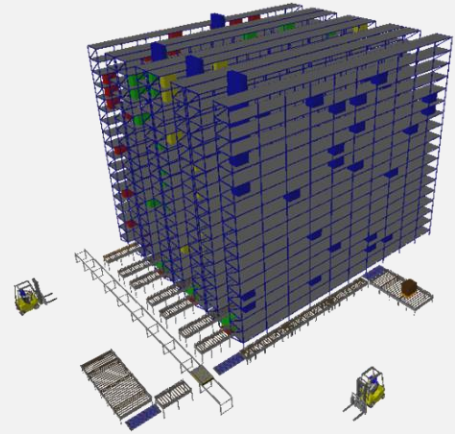Product damage rate 0% with precision control

Computerization

Seamless interface with info management and upper system

Cost Saving

Unmanned environment and intuitive UI

Space

Space utilization maximized

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/mim	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			

Sorting System

Sorters

70dB 이하, 3m/sec

Excellent Performance

Throughput: More than 15,000 pcs per hour

Easy Maintenance

Maintenance cost saving by module configuration
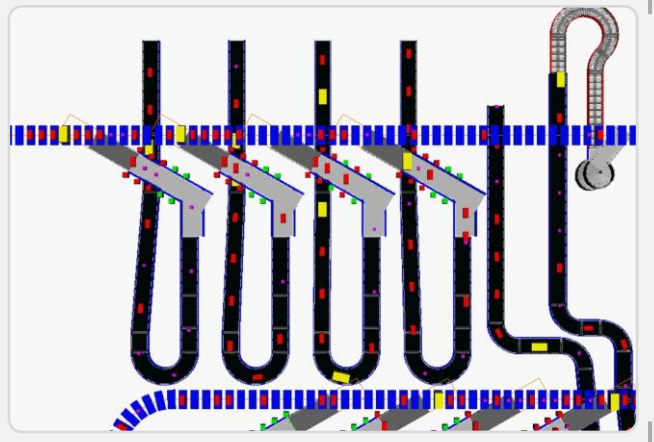
Low Noise & High Speed

Low noise level (less than 70dB), High speed (3m/sec)

Low Energy Consumption
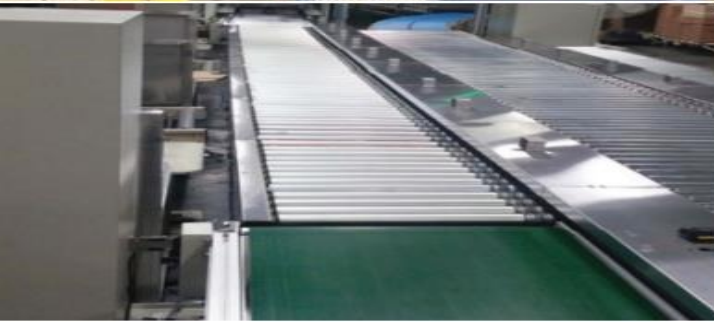
LSM (uncontact, semi-permanent)

1 Unit 1 Carrier / 2 Carrier System

Application from small cargo to large one

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	

All about Conveyor System

DC/AC Motor Roller, Pulse Diverter, Controller

Benefits

Low power, low noise level, durable, light-weight

Easy Maintenance

Easy maintenance, minimized system downtime

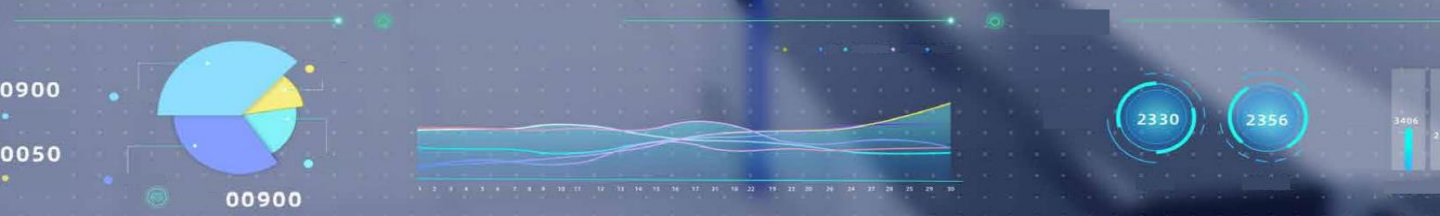## Powerful Performance

High driving power/output

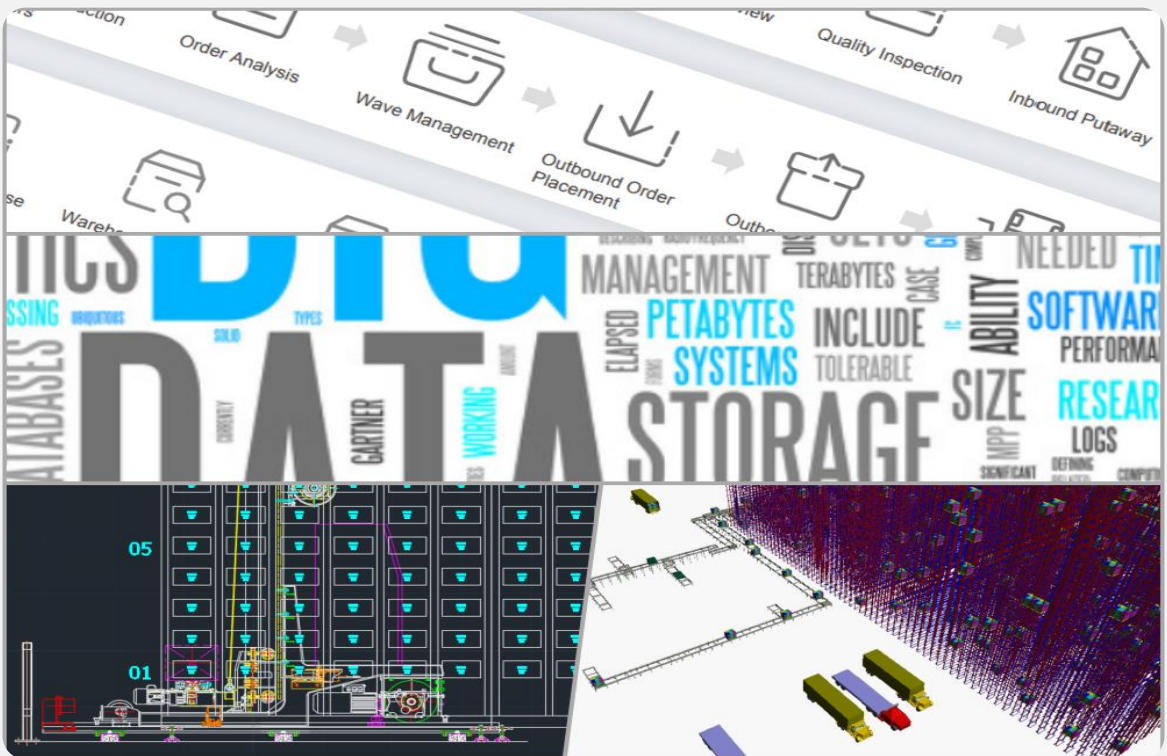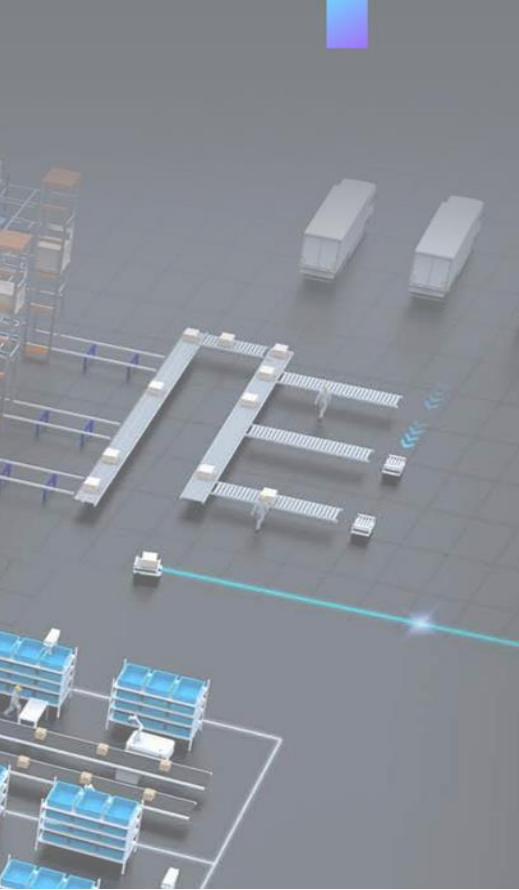## Accessories

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

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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

- Data analysis
- Solution and alternative setup
- Simulation and modeling
- Case study
- Feasibility study
- Engineering report

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