

CASUN
佳顺智能

A leading brand in the field of smart logistics
Having been focusing on AGV industry for 14 years



Intelligent control system



AI algorithm



Full-scene standard AGVs

Shenzhen CASUN Intelligent Robot Co., Ltd.

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CATALOG

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CASUN 佳顺智能 COMPANY PROFILE

01

As a listed company in NEEQ in China (stock code:834863), CASUN has been focusing on AGVs and related AI robots since 2007. CASUN serves domestic and global markets with eight subsidiaries and offices in China and nearly 30 agents/ subsidiaries abroad including a wholly-owned subsidiary in Germany. After years of development, CASUN has become a famous AGV manufacturer in China.



4+

Compatible with 4-generation navigation and visual navigation can also be equipped

8+

Products line covers 8 series and more than 50 models in full applications.

14

Established in 2007, with 14 years of experience in the industry

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Upholding "Innovation is our soul" as our company's mission, CASUN dedicates to core technology innovations, independent researches and developments. We Own nearly 100 utility patents and other patents. Our company was honored to be "State High-tech Enterprises", "Shenzhen Top Ten AGV Brands", "Shenzhen's Company Innovation Records", "Shenzhen Top 100 Independent Innovation SMEs", "Guangdong Robot Cultivation Enterprises", "Vice President Unit of Guangdong Robotics Association", "Top 50 China robot industry chain in 2020"... Besides, Casun also passed ISO9001 Quality Management System certification / CE certification / CR certification.

Up to the first half of 2021, CASUN has accomplished 2,100 AGV systematic solutions and up to 16,000 different types of AGVs/AMRs have been put into service. Casun AGVs are accredited worldwide and widely used in the fields of panel display, new energy lithium batteries, automobile and related accessories, food and beverage, 3C electronics, electric appliance, etc.



— HISTORY

02

The domestic service network with six offices was built.

The 1st generation AGV Fleet Management System published

Successfully developed the Laser guided forklift AGV

Became a postgraduate base of South China University of Technology and established a joint laboratory.

In December, 2015, CAUSN was listed on NEEQ of China and won the awards of "Most valuable company for investment" in 2016.

Xi'an Software Research Center was established.

Became a qualified supplier of HUWEI and Volkswagen and the special-grade supplier of Yanfeng Adient.

| 2011

| 2013

| 2015

| 2018

2007

Shenzhen Casun Intelligent Robot Co.,Ltd. was established

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- Gained the award of Shenzhen Top 100 Independent Innovation SMEs
- Established a wholly-owned subsidiary in Germany.
- Established strategic partnership with Siemens.
- Won "Lighthouse Factory" award in the Romania project.

| 2019

- Won "Shenzhen Top Ten AGV Brands" award.
- Won "2020 Shenzhen Top 50 AGV Industry Chains" award.
- Became the sole provider of a leading company in the new energy lithium battery industry and won the best delivery award.

| 2020

- Succeed in R&D and application of visual positioning system
- Eligible to be "Guangdong Province Intelligent AGV Mobile Robot Engineering Technology Research Center"

| 2021

CERTIFICATION
& HONOR

03



CASUN has dedicated to develop core technologies and gained more than 100 patents and software copyrights since its foundation in 2007. Our company was honored to be "State High-tech Enterprises", "Guangdong Robot Cultivation Enterprises", "Guangdong Province Intelligent AGV Mobile Robot Engineering Technology Research Center", "Shenzhen Top Ten AGV Brands", "Shenzhen's Company Innovation Records", "Shenzhen Top 100 Independent Innovation SMEs", "Guangdong Robot Cultivation Enterprises", "2020 Shenzhen Robots Excellent Application Case Awards", "Top50 of 2020 China Robots Industry Chain"... Besides, Casun also passed ISO9001 International Quality Management System certification /CE certification/CR certification.



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04

QUALITY ASSURANCE

Products and Quality are our lifeline. After 14 years' development, CASUN has independently developed world-class advanced industrial robotics and related intelligent systems. Our sales network covers Europe, Asia and America. CASUN provides customized intelligent logistics solutions with the functions of information collection, data analysis and decision support, which has changed traditional transportation mode and improved companies' core competence so as to advance industry 4.0.

Perfect Quality System

Upholding management philosophy of reliable quality/good reputation/scientific management/best services, CASUN has been improving its quality management system and passed ISO9001 / CE / CR certifications.

Standard Working Procedure

To ensure high quality of the product, CASUN is process-oriented and has been applying data management, its work flow strictly follows production process from design to selection of components, from suppliers assessment to material inspection, from process inspection to final testing...

Systematic Quality Control

During AGV manufacturing process, CASUN follows strict quality inspection standards and comprehensive test cases, supplemented by professional testing equipment and 1:1 simulated tests to make sure that AGV can go into service in customer's on-site environment as soon as possible.

Advanced Inspection Equipment

To ensure accuracy and completeness of testing, CASUN built simulated on-site environment run path in the test laboratory, and equipped it with professional test devices like Gauss meter, battery charging and discharging test instrument, vibration test machine and wireless test device to conduct comprehensive inspection for the parts and AGVs so as to guarantee quality.

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Application Fields More Than 50
&
Clients More Than 10,000

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CASUN has provided and delivered 2,100 project solutions with 16,000 products. Our business covers over 50 comprehensive industries, including panel display, new lithium battery, automobile and parts, food and beverage, 3C electronics and electrical appliances. Meanwhile, CASUN has deployed global market since 2011. We have built a wide sales network with 38 subsidiaries and offices both at home and abroad.

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PARTNER

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Fat-panel display industry



BOE 京东方

TIANMA

TCL

New energy lithium battery industry



CNGR 中伟

DESAY 德赛

Automobile and parts industry



faurecia

Household electrical appliance industry.



SAMSUNG 三星

SONY

Canon 佳能

美的 Midea

OPPLE 欧普照明

JABIL

SHARP 夏普

vivo



VESTEL

wistron 纬创资通

Joyoung 九阳

Food and Beverage Industry and Other Industries




Integrators

America

Mexico

Service Network

38 subsidiaries and offices around the world



n7

PRODUCT





Intelligent control system



AI algorithm



Full-scene standard AGVs

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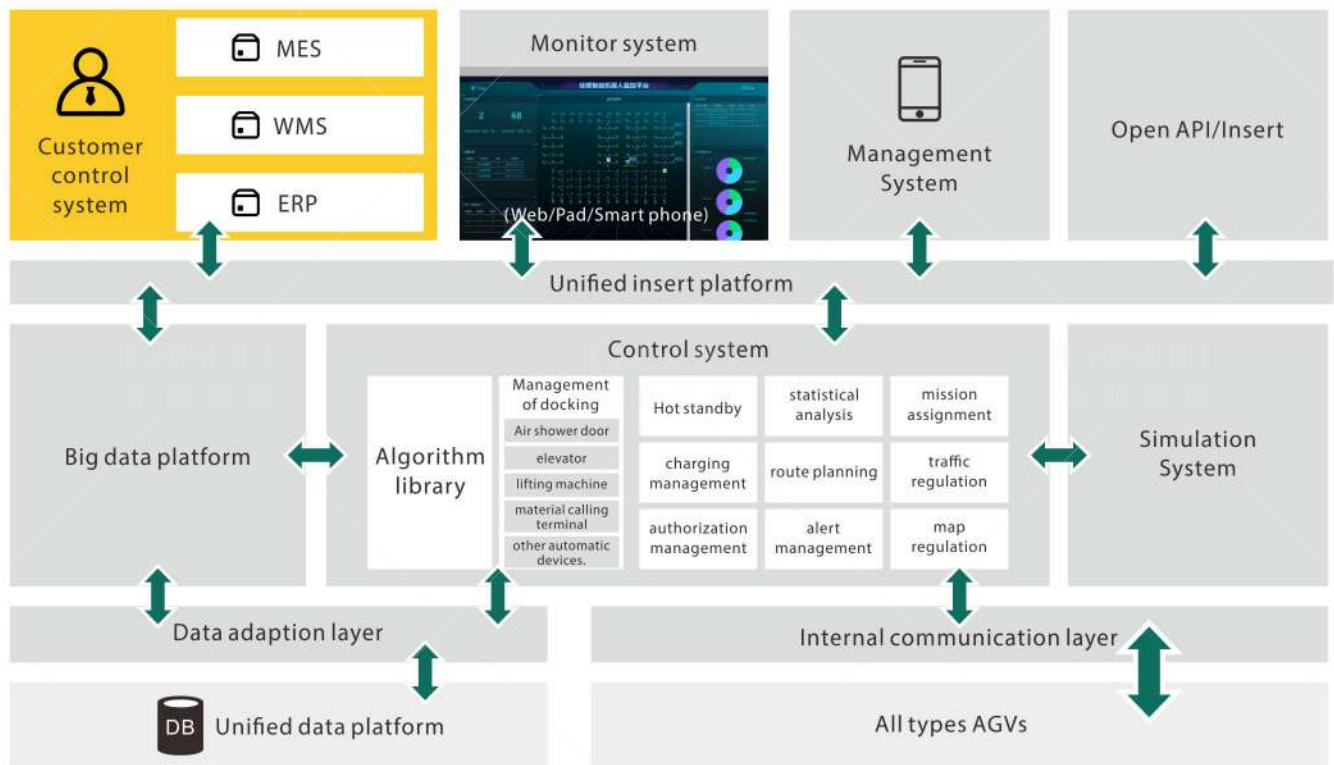
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Intelligent Control System





BS structure

The monitoring system and operating and maintenance system is based on the Web, which makes it simple

Intelligent scheduling algorithm

Powerful scheduling algorithm to achieve concurrent scheduling of large-scale clusters to ensure efficient driving of robots.

Hybrid scheduling

Supporting different types of AGV been scheduled in the same system.

Cross region scheduling

Supporting the scheduling of AGV in different floors.

Joint traffic regulation

Supporting joint traffic regulation with AGV from other companies.

Fast allocation

The simple mission dispatch process allows fast software allocation.

Space optimization

Making full use of the space and has special solution for narrow space.

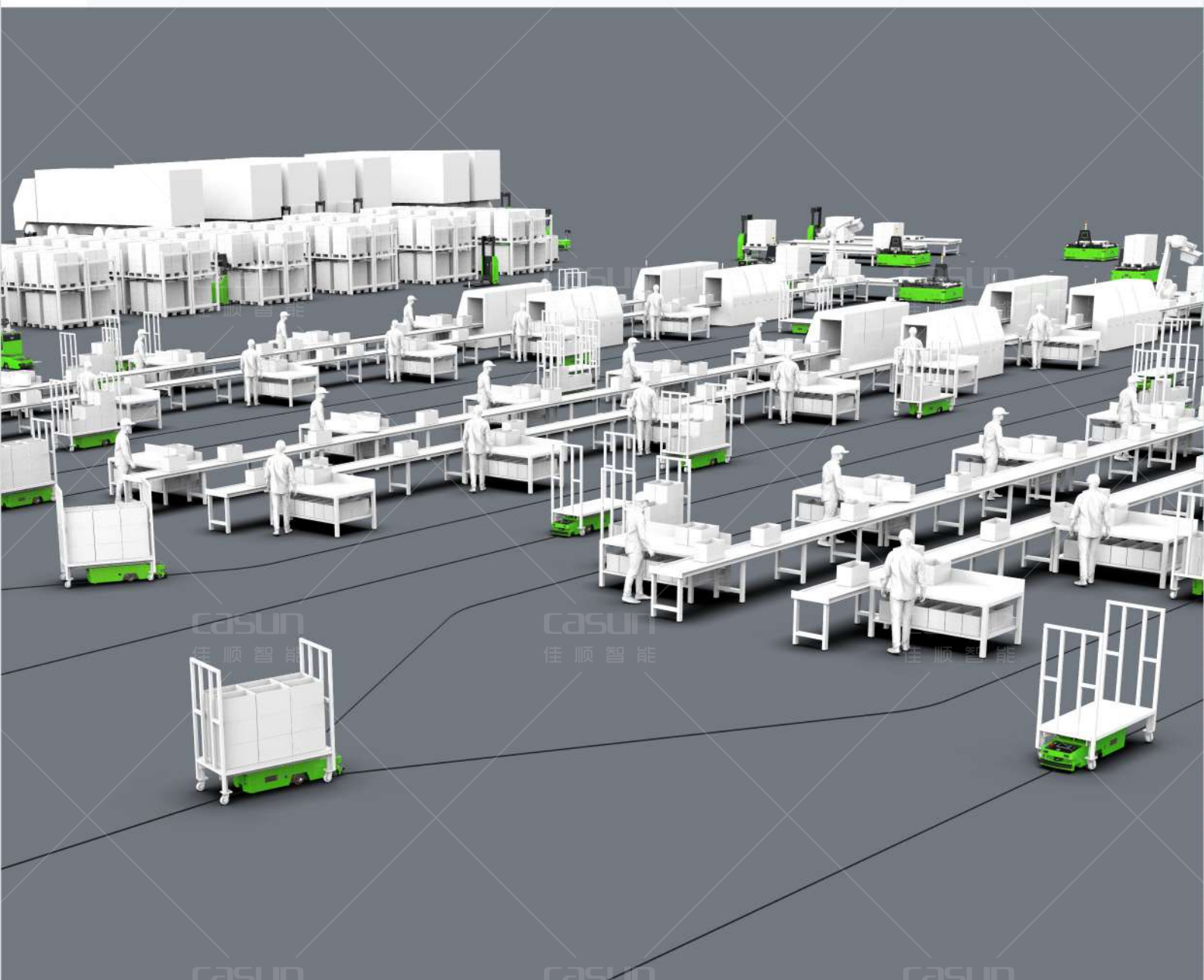
Big data analysis

The big data platform supports us to statisticize and analyze customers report.



Introduction

Latent AGV moves under the trolley and the hook can rise or fall automatically to hook or release the trolley. This series AGVs are magnetic tape guided and are divided into unidirectional/bidirectional/omnidirectional types. Towing capacity is 500kg to 2500kg. The towing AGV has been widely used in many industries due to its compact structure, flexible operation and high level of automation. It has been applied in panel display industry, new energy lithium battery industry, automotive and parts industry, food and beverage industry, 3C industry and household electrical appliance industry.





Features



Stable functioning



Real-time monitoring



Precise positioning



Widely applicable

C1

Towing AGV Series





Product Parameter Unidirectional



Model	C1-11B	C1-12
Navigation Type	Magnetic tape navigation	Magnetic tape navigation
Base dimensions	L1400*W420*H290(mm)	L1900*W420*H328(mm)
Run direction	Move forward, turn left / right	Move forward, turn left / right
Load capacity	500kg / 1000kg	1500kg
Travel speed	0~45m/min	0~45m/min
Turning radius	650mm	1200mm
Navigation accuracy	±10mm	±10mm
Stopping accuracy	±10mm	±10mm
Drive method	Differential drive	Differential drive
Battery charging method	Side charging /Underneath charging	Side charging /Underneath charging
Battery type	Lithium battery	Lithium battery
Communication modes	RF/WiFi/5G	RF/WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch	



Product Parameter

Bi-directional



Model	C1-21	C1-22
Navigation Type	Magnetic tape navigation	Magnetic tape navigation
Base dimensions	L1550*W420*H290(mm)	L1900*W420*H290(mm)
Run direction	Move forward / backward, turn left / right	Move forward / backward, turn left / right
Load capacity	800KG	800KG / 1200KG / 1500KG
Travel speed	0~35m/min	0~35m/min
Turning radius	800mm	1000mm
Navigation accuracy	±10mm	±10mm
Stopping accuracy	±10mm	±10mm
Drive method	Differential drive	Differential drive
Battery charging method	Side charging / Underneath charging	Side charging / Underneath charging
Battery type	Lithium battery	Lithium battery
Communication modes	RF/WiFi/5G	RF/WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch	



Product Parameter

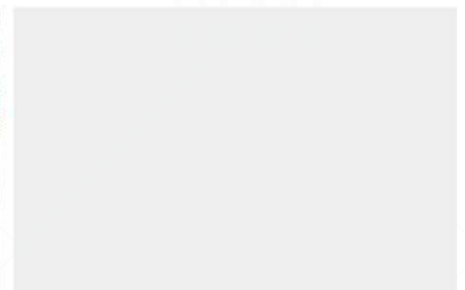
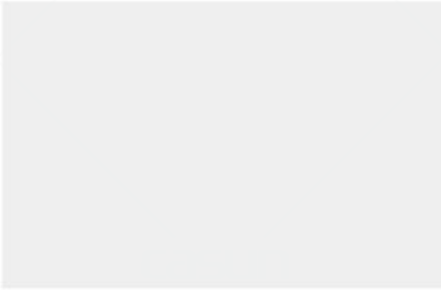
Omni-directional



Model	C1-31	C1-32	C1-33
Navigation Type	Magnetic tape navigation	Magnetic tape navigation	Magnetic tape navigation
Base dimensions	L1750xW500xH290(mm)	L2100xW680xH360(mm)	L2260*W800*H340(mm)
Run direction	Move forward / backward / sideways, move into a branch, rotate		
Load capacity	300KG / 600KG	1000KG / 1500KG	2000KG / 2500KG
Travel speed	0~45m/min	0~45m/min	0~45m/min
Turning radius	800mm	1500mm	1500mm
Navigation accuracy	±10mm	±10mm	±10mm
Stopping accuracy	±10mm	±10mm	±10mm
Drive method	Dual-steering wheel	Steering wheel	Steering wheel
Battery charging method	Side charging / Underneath charging	Side charging / Underneath charging	Side charging / Underneath charging
Battery type	Lithium battery	Lithium battery	Lithium battery
Communication modes	RF/WiFi/5G	RF/WiFi/5G	RF/WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch		

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Classic Case

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Introduction

Automated guided carts could realize accurate self-positioning according to dispatched tasks and lift, transport as well as unload automatically. Kits scanning system, lifting table and partial rotation are optional. This series AGVs can be divided into magnetic tape navigation, QR code navigation or SLAM navigation according to navigation mode and can be divided into unidirectional type, bidirectional type and omnidirectional type according to working direction. Load capacity is up to 3500kg. It has been applied in panel display industry, new energy of lithium battery industry, automotive and parts industry, food and beverage industry, 3C industry and household electrical appliance industry.





Features



Compatible with multiple
navigation methods



Flexible walking



Load capacity up to 3500kg



Compatible with
picking system

C2

Automated Guided Carts Series





Product Parameter

Bi-directional



Model	C2-21	C2-22	C2-23
Navigation Type	QR code guided	QR code navigation /SLAM navigation	QR code navigation /SLAM navigation
Base dimensions	L760*W470*H300(mm)	L900*W650*H300 (mm)	L1180*W860*H300 (mm)
Run direction	Move forward/backward,rotate	Move forward/backward,rotate	Move forward/backward,rotate
Load capacity	200KG	600KG	1000KG
Travel speed	0~72m/min	0~72m/min(QR) 0~60m/min(SLAM)	0~72m/min(QR) 0~60m/min(SLAM)
Lift height	50mm	50mm	50mm
Turning radius	/	/	/
Navigation accuracy	±5mm	±5mm(QR) ±10mm(SLAM)	±5mm(QR) ±10mm(SLAM)
Stopping accuracy	±5mm	±5mm(QR) ±10mm(SLAM)	±5mm(QR) ±10mm(SLAM)
Drive method	Dual-wheel differential drive	Dual-wheel differential drive	Dual-wheel differential drive
Battery charging method	Side charging	Bumping into contact charging	Bumping into contact charging
Battery type	Lithium battery	Lithium battery	Lithium battery
Communication modes	WiFi/5G	WiFi/5G	WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch		



Model	C2-24	C2-25
Navigation Type	QR code navigation /SLAM navigation	QR code navigation /SLAM navigation
Base dimensions	L1380xW1060xH300 (mm)	L1500*W500*H290 (mm)
Run direction	Move forward/backward,rotate	Move forward/backward,rotate
Load capacity	1500KG / 2000KG	800KG
Travel speed	0~60m/min	0~45m/min(magnetic tape navigation) 0~72m/min(QR)
Lift height	50mm	50mm
Turning radius		800mm (magnetic tape navigation)
Navigation accuracy	±5mm (QR) 、±10mm (SLAM)	±10mm
Stopping accuracy	±5mm (QR) 、±10mm (SLAM)	±10mm
Drive method	Dual-wheel differential drive	Dual-wheel differential drive
Battery charging method	Bumping into contact charging	Bumping into contact charging
Battery type	Lithium battery	Lithium battery
Communication modes	WiFi/5G	WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch	



Product Parameter
Omni-directional



Model	C2-31	C2-32	C2-33	C2-34
Navigation Type	Magnetic tape navigation / QR code navigation	Magnetic tape navigation / QR code navigation	Magnetic tape navigation / QR code navigation	Magnetic tape navigation / QR code navigation
Base dimensions (mm)	L1600*W800*H380	L2000*W950*H400	L2250*W1100*H400	L2000*W1200*H560
Run direction	Move forward,/backward/sideways, rotate			
Load capacity	1000KG / 1500KG	2000KG	2500KG / 3000KG	3500KG
Travel speed	0~45m/min(magnetic tape) 0~60m/min(QR)	0~45m/min	0~45m/min	0~45m/min
Lift height	50mm	50mm	50mm	50mm
Turning radius	1000mm (magnetic tape)	1200mm (magnetic tape)	1200mm (magnetic tape)	1200mm (magnetic tape)
Navigation accuracy	±10mm	±10mm	±10mm	±10mm
Stopping accuracy	±10mm	±10mm	±10mm	±10mm
Drive method	Steering wheel	Steering wheel	Steering wheel	Steering wheel
Battery charging method	Side charging /Underneath charging	Side charging /Underneath charging	Side charging /Underneath charging	Side charging /Underneath charging
Battery type	Lithium battery	Lithium battery	Lithium battery	Lithium battery
Communication modes	WiFi/5G	WiFi/5G	WiFi/5G	WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch			

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Classic Case

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Introduction

Unit load AGVs can automatically navigate to the position to dock with the assembly line and realize full autonomous transportation of materials. This series AGVs can be divided into magnetic tape navigation, QR code navigation or SLAM navigation according to its navigation modes and can be divided into single conveyor or multiple conveyor decks according to the number of conveyors. Load capacity is up to 1200kg. The unit load AGV has been widely used in many industries due to its compact structure, flexible operation and high level of automation. It has been applied in panel display industry, new energy lithium battery industry, automotive and parts industry, food and beverage industry, 3C industry and household electrical appliance industry.





Features



Compatible with multiple navigation modes



Automatic transport



Flexible docking



Widely used in different industries

C3

Unit Load AGV with conveyor series





Product Parameter
Single conveyor deck



Model	C3-11	C3-12	C3-13
Navigation Type	QR code navigation /Laser navigation /SLAM navigation	Magnetic tape navigation / QR code navigation	QR code navigation /Laser navigation
Base dimensions	L1660*W1600*H1900(mm)	L2200*W1376*H760(mm)	L3500XW2150XH2785mm
Docking height	400mm	180mm	1300mm
Run direction	Move forward/backward,rotate	Move forward/backward /sideways,rotate	Move forward/backward /sideways,rotate
Load capacity	1000KG	1000KG	1000KG
Travel speed	0~60m/min	0~45m/min(magnetic tape) 0~60m/min(QR)	0~60m/min
Turning radius	/	1200mm(magnetic tape)	/
Navigation accuracy	±10mm	±10mm	±10mm
Stopping accuracy	±10mm	±10mm	±10mm
Drive method	Dual-wheel differential drive	Steering wheel	Steering wheel
Battery charging method	Side charging	Side charging	Side charging /Underneath charging
Battery type	Lithium battery	Lithium battery	Lithium battery
Communication modes	WiFi/5G	WiFi/5G	WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch		



Product Parameter
Dual conveyor decks

Model	C3-14	C3-15	C3-21
Navigation Type	Magnetic tape navigation / QR code navigation /SLAM navigation	QR code navigation /Laser navigation	QR code navigation /Laser navigation
Base dimensions	L2000xW800xH650(mm)	L940xW650xH1900(mm)	L2000*W1250*H1800mm
Docking height	600mm	600mm	650mm
Run direction	Move forward/backward /sideways,rotate	Move forward/backward ,rotate	Move forward/backward /sideways,rotate
Load capacity	1200KG	200KG / 500KG	1000KG
Travel speed	0~45m/min(magnetic tape) 0~60m/min(QR)	0~60m/min	0~60m/min
Turning radius	1000mm (magnetic tape)	/	/
Navigation accuracy	±10mm	±10mm	±10mm
Stopping accuracy	±10mm	±10mm	±10mm
Drive method	Steering wheel	Dual-wheel differential drive	Steering wheel
Battery charging method	Side charging /Underneath charging	Side charging	Side charging /Underneath charging
Battery type	Lithium battery	Lithium battery	Lithium battery
Communication modes	WiFi/5G	WiFi/5G	WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch		

Product Parameter

Tree conveyor decks



Product Parameter

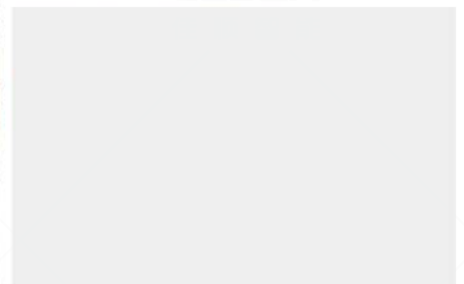
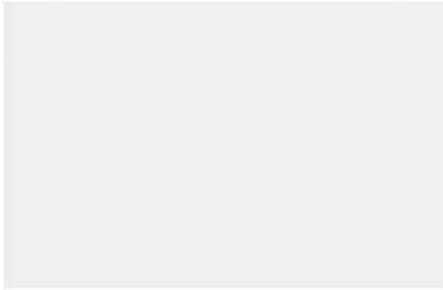
Four conveyor decks



Model	C3-31	C3-41	C3-42
Navigation Type	Magnetic tape navigation / QR code navigation	Magnetic tape navigation / QR code navigation	Magnetic tape navigation
Base dimensions	L1700xW800xH900(mm)	L1800xW680xH1200(mm)	L2240xW1060xH700(mm)
Docking height	800mm	500/800mm	600mm
Run direction	Move forward/backward,rotate	Move forward/backward /sideways,rotate	Move forward/backward /sideways,rotate
Load capacity	500KG	500KG	500KG
Travel speed	0~45m/min(magnetic tape) 0~60m/min(QR)	0~45m/min(magnetic tape) 0~60m/min(QR)	0~45m/min
Turning radius	800mm(magnetic tape)	900mm(magnetic tape)	1100mm
Navigation accuracy	±10mm	±10mm	±10mm
Stopping accuracy	±10mm	±10mm	±10mm
Drive method	Dual-wheel differential drive	Dual-steering wheel	Steering wheel
Battery charging method	Side charging /Underneath charging	Side charging /Underneath charging	Side charging /Underneath charging
Battery type	Lithium battery	Lithium battery	Lithium battery
Communication modes	WiFi/5G	WiFi/5G	WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch		

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Introduction

Tugger AGV can pull multiple material vehicles at the same time with the tractor at the end of the vehicle. It can also transfer pallets, racks and material boxes on the back of the vehicle. Towing capacity is up to 4500kg. This series AGVs can be applied in various industries with its high degree of automation and widely applied in panel display, new energy lithium battery, automotive and parts, food and beverage, 3C and household electrical appliance industry.



Tugger AGV Series



Features



Stability



Large load capacity



High efficiency



Strong flexibility

C4





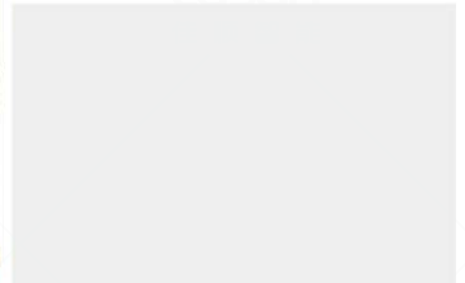
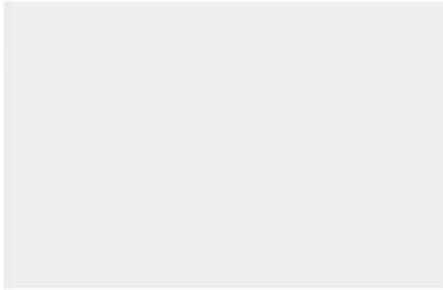
Product Parameter



Model	C4-L1	C4-L2	C4-C1
Navigation Type	Magnetic tape navigation	Magnetic tape navigation	Laser navigation
Base dimensions	L1250*W450*H865(mm)	L1376*W650*H918(mm)	L1600XW970XH1900mm(mm)
Run direction	Move forward,turn left/right ,move into a branch	Move forward/backward ,turn left/right	Move forward/backward ,turn left/right,move into a branch
Load capacity	600kg / 1000kg / 1200KG	1500KG / 2000KG / 2500KG	3000KG / 4500KG
Travel speed	0~45m/min	0~45m/min	0~60m/min
Turning radius	600mm	600mm	800mm
Navigation accuracy	±10mm	±10mm	±10mm
Stopping accuracy	±10mm	±10mm	±10mm
Drive method	Differential drive	Differential drive	Steering wheel
Battery charging method	Side charging /Underneath charging	Side charging /Underneath charging	Side charging
Battery type	Lithium battery	Lithium battery	Lithium battery
Communication modes	RF/WiFi/5G	RF/WiFi/5G	WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch		

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Introduction

Including different types like pallet mover, counterbalanced, straddle forklift AGV. It can be divided into SLAM guidance and laser guidance according to navigation modes. Lift height is up to 5 ~ 7 meters and load capacity is up to 5000kg. This series can be applied in various industries with its high degree of automation. It is widely applied in flat-panel display, new energy of lithium battery, automotive and parts, food and beverage, 3C and household electrical appliance industry.





Features



Compatible with
multiple navigation modes



Reduce labor costs



Easy to deploy



Compatible to
multiple on-site environments

C5

Automated Forklift truck





Product Parameter

Pallet Mover-B



Model

C5-B1

C5-B2

C5-B3

Navigation Type

SLAM navigation

Laser navigation

Laser navigation

Base dimensions

L1585*W770*H970
(mm)L1585*W775*H2035
(mm)L2250*W1090*H2000
(mm)

Run direction

Move forward /backward,turn left/right

Load capacity

800KG

800KG

2000KG / 3000KG

Travel speed

0~45m/min

0~60m/min

0~72m/min

Turning radius

1000mm

1000mm

2000mm

Navigation accuracy

±10mm

±10mm

±10mm

Stopping accuracy

±10mm

±10mm

±10mm

Lift height

150mm

120mm

120mm

Drive method

Differential drive

Differential drive

Steering wheel

Battery charging method

Side charging

Side charging

Side charging

Battery type

Lithium battery

Lithium battery

Lithium battery

Communication modes

WiFi/5G

WiFi/5G

WiFi/5G

Safety warning

Light warning
+ voice broadcastLight warning
+ voice broadcastLight warning
+ voice broadcast

Safety sensing range

≤3M (adjustable)

≤3M (adjustable)

≤3M (adjustable)

Security

Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch



Product Parameter Stacking forklift AGV-D



Model	C5-D1	C5-D3	C5-D5	C5-D6
Navigation Type	Laser navigation	Laser navigation	Laser navigation	Laser navigation
Base dimensions	L1650*W854*H2295 (mm)	L2200*W1100*H2300 (mm)	L2450*W1450*H2300 (mm)	L2250*W1100*H2210 (mm)
Run direction	Move forward /backward,turn left/right			
Load capacity	1000KG	1600KG	1600KG	1600KG
Travel speed	0~72m/min	0~72m/min	0~72m/min	0~72m/min
Turning radius	1500mm	1800mm	1800mm	1800mm
Navigation accuracy	±10mm	±10mm	±10mm	±10mm
Stopping accuracy	±10mm	±10mm	±10mm	±10mm
Lift height	1600mm	2900mm	2900mm	2900mm
Drive method	Steering wheel	Steering wheel	Steering wheel	Steering wheel
Battery charging method	Side charging	Side charging	Side charging	Side charging
Battery type	Lithium battery	Lithium battery	Lithium battery	Lithium battery
Communication modes	WiFi/5G	WiFi/5G	WiFi/5G	WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch			



Product Parameter

Reach Forklift AGV-Q



Model	C5-Q1	C5-Q2	C5-Q3	C5-Q4
Navigation Type	Laser navigation	Laser navigation	Laser navigation	Laser navigation
Base dimensions	L2200*W1850*H2500 (mm)	L2400*W1116*H2100 (mm)	L3450*W1260*H2310 (mm)	L2988*W1426*H2910 (mm)
Run direction	Move forward/backward /sideways, turn left/right	Move forward /backward ,turn left/right	Move forward /backward ,turn left/right	Move forward /backward ,turn left/right
Load capacity	1000KG	1500KG	2000KG	2000KG
Travel speed	0~72m/min	0~72m/min	0~72m/min	0~72m/min
Turning radius	1800mm	1800mm	2000mm	2100mm
Navigation accuracy	±10mm	±10mm	±10mm	±10mm
Stopping accuracy	±10mm	±10mm	±10mm	±10mm
Lift height	5000mm	2900mm	2900mm	5700mm
Drive method	Steering wheel	Steering wheel	Steering wheel	Steering wheel
Battery charging method	Side charging	Side charging	Side charging	Side charging
Battery type	Lithium battery	Lithium battery	Lithium battery	Lithium battery
Communication modes	WiFi/5G	WiFi/5G	WiFi/5G	WiFi/5G
Safety warning	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast	Light warning + voice broadcast
Safety sensing range	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)	≤3M (adjustable)
Security	Triple Protection: Obstacle detection sensor + Anti-collision mechanism + Emergency stop switch			



Product Parameter Counterbalance Forklift AGV-P



C5-Q5

Laser navigation
L3200*W1450*H2550 (mm)
Move forward /backward ,turn left/right
2000KG
0~72m/min
2200mm
±10mm
±10mm
2900mm
Steering wheel
Side charging
Lithium battery
WiFi/5G
Light warning + voice broadcast
≤3M (adjustable)



C5-P1

Laser navigation
L2310*W1015*H2015 (mm)
Move forward /backward ,turn left/right
600KG
0~72m/min
1500mm
±10mm
±10mm
2900mm
Steering wheel
Side charging
Lithium battery
WiFi/5G
Light warning + voice broadcast
≤3M (adjustable)



C5-P2

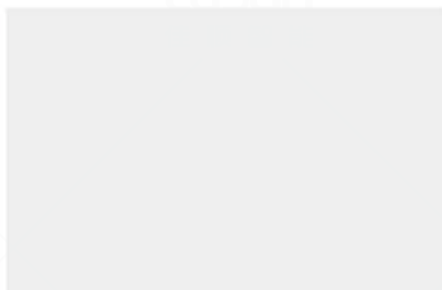
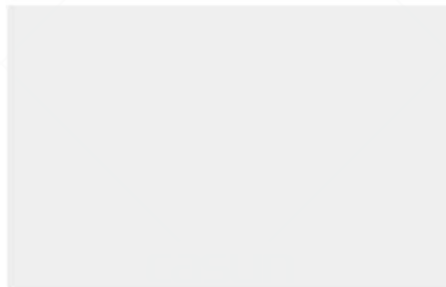
Laser navigation
L2716*W980*H1990 (mm)
Move forward /backward ,turn left/right
1200KG
0~72m/min
1500mm
±10mm
±10mm
2900mm
Steering wheel
Side charging
Lithium battery
WiFi/5G
Light warning + voice broadcast
≤3M (adjustable)

Model
Navigation Type
Base dimensions
Run direction
Load capacity
Travel speed
Turning radius
Navigation accuracy
Stopping accuracy
Lift height
Drive method
Battery charging method
Battery type
Communication modes
Safety warning
Safety sensing range
Security

Triple Protection: Obstacle detection sensor +
Anti-collision mechanism + Emergency stop switch

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Classic Case

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C6-21 Hybrid AGV Series



Introduction

C6-21 Hybrid AGV consists of vehicle chassis, transfer roller and robotic arm. C6-21 can pick material into box and transfer box automatically.

Model	C6-21
Navigation Type	QR code navigation
Base dimensions	L2316*W1120*H1027mm (robotic arm mounting height)
Run direction	Move forward/backward/sideways, rotate
Load capacity	800KG
Picking weight	10KG
Travel speed	0~60m/min
Navigation accuracy	±10mm

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C7-11 Patrol AGV Series



Introduction

C7-11 is applied to outdoor environment daily patrol. It is equipped with self-navigation and self-inspection as well as automatic charging technology, allowing AGV to inspect and monitor surroundings while collecting data. With above technologies and functions, C7-11 can support unmanned watching and improve operation efficiency.

Model

C7-11

Navigation Type

SLAM navigation

Base dimensions

L1320*W800*H1350mm

Run direction

Move forward/backward ,turn left/right

Travel speed

0~60m/min

Turning radius

1000mm

Navigation accuracy

±10mm

CCM-11 Customization Series



Introduction

CCM-11 is a customized AGV for SMT production line, it is flexible and can steadily transfer material box loaded with PCBA at different docking height.

Model	佳顺智能 CCM-11
Navigation Type	QR code navigation/Laser navigation/SLAM navigation
Base dimensions	L1400*W700*H1450mm (docking height is 290 to 1250mm)
Run direction	Move forward/backward/sideways, rotate
Load capacity	100KG
Turning radius	0-45m/min
Navigation accuracy	±10mm

CCS Charging Station Series



Model	CCS-11
Dimensions	L600xW380xH1000(mm)
Charging Voltage	Power
24V	1500W—5000W
48V	1500W—5000W



Model	CCS-12
Dimensions	L669*W488*H1018 (mm)
Charging Voltage	Power
24V	4000W—6000W
48V	2500W—6000W



Introduction

CCS charging system includes charger, control unit, display unit, telescopic electrode, etc. It has overload protection mechanism of current/voltage, with fast charging speed and high safety performance. It can be divided into side charge/ground charge/collision charge/wireless charge.



Model	CCS-21
Dimensions	L600xW380xH1000(mm)
Charging Voltage	Power
24V	1500W—5000W
48V	1500W—5000W



Model	CCS-31
Dimensions	L490xW385xH355(mm)
Charging Voltage	Power
24V	1500W—5000W
48V	1500W—5000W

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