



# FULL-SCENARIO INTELLIGENT LOGISTICS ROBOTS

AGV Body Solution Provider



Anhui Heli Yufeng Intelligent Technology Co., Ltd.

## COMPANY INTRODUCTION

Anhui HELI was founded in 1958 and listed on the Main Board in 1996. The company's main business covers four segments: complete machine, intelligent logistics, components and after-market. The company has 9 major global complete machine manufacturing bases, nearly 400,000 units in annual sales, 28 provincial marketing companies in China and more than 1,000 marketing service agencies worldwide. Its products are sold in over 180 countries and regions. HELI is currently the leading enterprise in China's industrial vehicle industry, possessing the largest scale, the most complete industrial chain and the strongest comprehensive strength.

HELI YUFENG has structured four major business segments which are intelligent warehousing, intelligent handling, intelligent factory and intelligent park. Based on seven decades of HELI's advanced technological accumulation, HELI YUFENG builds hardware product matrices of intelligent warehouse robots and intelligent mobile robots, while independently developing software product atlas including intelligent integration system and HELI digital twin platform. Together with over 1,000 global marketing service organizations of HELI, HELI YUFENG provides customers with full-stack solutions comprehensive services for full-cycle intelligent logistics, including project consulting, solution planning, product R&D, implementation and delivery as well as after-sales O&M. It has successfully implemented a number of national-level benchmark demonstration projects in China's pillar and emerging industries, such as new energy, food & cold chain, chemicals, auto parts, metallurgy, new materials, and military industry. HELI YUFENG is committed to bringing AI logistics robots into thousands of enterprises and factories, empowering every industry.

### China's Leading, World-Class Excellence

<b>60+</b>	<b>9+</b>	<b>28+</b>	<b>400+</b>
Over 60 Years of Logistics Expertise	9 Major Global Complete Machine Manufacturing Bases	28 Provincial Marketing Centers Over 700 Marketing Service Organizations in China	Overseas Marketing & Service Organization

### Honor

National-level Specialized, Sophisticated Distinctive and Innovative "Little Giant" Enterprise	National High-Tech Enterprise	Sci-Tech Reform Demonstration Enterprise by the SASAC	Key Project Supported by Development Fund	2023-2025 First (Set) Major Technical Equipment Certification
National Intellectual Property Advantage Enterprise	Provincial Postdoctoral Research Workstation	Co-editor of the "Blue Book on the Development of the Forklift Mobile Robot Industry"	Technical Specification for Unmanned Forklifts / Data Interface Specification for Dispatching Systems	Co-editor of the Specification for Explosion-Proof Forklifts / Specification for Robot Modules
Recommended Brand for Intelligent Warehousing Equipment and Technology	Top Ten Promoter of New Quality Productive Forces Applications in Industrial Logistics	Excellent Recommended Brand for Intelligent Logistics	AGV Innovative Application Award and Benchmark Case Award	Gaogong Golden Globe Award ***

### R&D and Manufacturing Capabilities

<b>20%</b> R&D Investment	<b>200+</b> R&D Team	<b>200+</b> Patents	<b>70+</b> Software Copyrights
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National-Level Enterprise Technology Center, National-Level Industrial Design Center	National Innovative Enterprise, National Manufacturing Single Champion Demonstration Enterprise	CNAS Accredited Testing and Inspection Center
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### Technology Innovation Ecosystem

- With nearly 10 universities, including Hefei University of Technology, Anhui University and upstream/downstream enterprises, HELI has carried out over 60 industry-university-research projects.
- HELI lead the collaboration with University of Science and Technology of China, Shanghai Jiao Tong University and other organizations to establish Anhui province's first intelligent industry innovation alliance and technical expert committee.

### Handling AGV Body

	<b>CBD15-AGV002</b>	Rated Load 1500kg	Drive Motor Power 1.2kW	Lithium Battery 48V/30Ah	Max. Travel Speed 5km/h
	<b>EBA20 II</b>	Rated Load 2000kg	Drive Motor Power 1.5kW	Lithium Battery 48V/60Ah	Max. Travel Speed 5.4km/h
		Max. Lifting Height 205mm	Turning Radius 1315mm	Fork Dimensions 75*170*1150mm	

### Stacking AGV Body

	<b>EDA20 II</b>	Rated Load 2000kg	Drive Motor Power 1.5kW	Lithium Battery 24V/200Ah	Max. Travel Speed 5.4km/h
	<b>EDQ10 (Omnidirectional)</b>	Rated Load 1000kg	Drive Motor Power 1kW*2	Lithium Battery 48V/50Ah	Max. Travel Speed 4.3km/h
		Max. Lifting Height 3300mm	Turning Radius 1250mm	Fork Dimensions 60*180*1220mm	

	<b>EDQ10 (Omnidirectional)</b>	Rated Load 1000kg	Drive Motor Power 1kW*2	Lithium Battery 48V/50Ah	Max. Travel Speed 4.3km/h
	<b>CDD20KJ</b>	Rated Load 2000kg	Drive Motor Power 1.5kW	Lithium Battery 24V/200Ah	Max. Travel Speed 5.4km/h
		Max. Lifting Height 2500mm	Turning Diameter (zero radius) 1875mm	Fork Dimensions 60*210*1220mm	

	<b>CDD20KJ</b>	Rated Load 2000kg	Drive Motor Power 1.5kW	Lithium Battery 24V/200Ah	Max. Travel Speed 5.4km/h
	<b>CDD20KJ</b>	Rated Load 2000kg	Drive Motor Power 1.5kW	Lithium Battery 24V/200Ah	Max. Travel Speed 5.4km/h
		Max. Lifting Height 3300mm	Turning Radius 1300mm	Fork Dimensions 40*122*1220mm	

### Reach AGV Body

	<b>EQDA15</b>	Rated Load 1500kg	Drive Motor Power 2.5kW	Lithium Battery 24V/200Ah	Max. Travel Speed 7km/h
	<b>EQDA15</b>	Rated Load 1500kg	Drive Motor Power 2.5kW	Lithium Battery 24V/200Ah	Max. Travel Speed 7km/h
		Max. Lifting Height 4500mm	Turning Radius 1506mm	Fork Dimensions 40*122*1220mm	

	<b>CQD12,16-AGV002</b>	Rated Load 1200kg,1600kg	Drive Motor Power 3kW	Lithium Battery 48V/100Ah	Max. Travel Speed 7km/h
	<b>CQD12,16-AGV002</b>	Rated Load 1200kg,1600kg	Drive Motor Power 3kW	Lithium Battery 48V/100Ah	Max. Travel Speed 7km/h
		Max. Lifting Height 5000mm	Turning Radius 1296mm,1481mm	Fork Dimensions 40*122*1150mm	

	<b>CQD16,20,25,30-AGV001L</b>	Rated Load 1600kg,2000kg,2500kg,3000kg	Drive Motor Power 8kW	Lithium Battery 80V/173h,202Ah,202Ah,280Ah	Travel Speed 7km/h
	<b>CQD16,20,25,30-AGV001L</b>	Rated Load 1600kg,2000kg,2500kg,3000kg	Drive Motor Power 8kW	Lithium Battery 80V/173h,202Ah,202Ah,280Ah	Travel Speed 7km/h
		Max. Lifting Height 8500mm	Turning Radius 1845mm,1925mm	Fork Dimensions 40*122*1150mm,40*122*1150mm,50*125*1150mm	

	<b>CQD16,20,25-AGV001, CQD30-AGV001BC</b>	Rated Load 1600kg,2000kg,2500kg,3000kg	Drive Motor Power 6kW,8kW,8kW,8kW	Lithium Battery 80V/202Ah,202Ah,202Ah,280Ah	Max. Travel Speed 7km/h
	<b>CQD16,20,25-AGV001, CQD30-AGV001BC</b>	Rated Load 1600kg,2000kg,2500kg,3000kg	Drive Motor Power 6kW,8kW,8kW,8kW	Lithium Battery 80V/202Ah,202Ah,202Ah,280Ah	Max. Travel Speed 7km/h
		Max. Lifting Height 8500mm	Turning Radius 1637mm,1745mm,1845mm,1925mm	Fork Dimensions 40*122*1150mm,40*122*1150mm,50*125*1150mm	

	<b>CQD20,40,50QJ (Omnidirectional)</b>	Rated Load 2000kg,4000kg,5000kg	Drive Motor Power 2.5kW*2,8kW*2,10kW*2	Lithium Battery 24V/200Ah,48V/300Ah,80V/350Ah	Max. Travel Speed 5.4km/h,8km/h,8km/h
	<b>CQD20,40,50QJ (Omnidirectional)</b>	Rated Load 2000kg,4000kg,5000kg	Drive Motor Power 2.5kW*2,8kW*2,10kW*2	Lithium Battery 24V/200Ah,48V/300Ah,80V/350Ah	Max. Travel Speed 5.4km/h,8km/h,8km/h
		Max. Lifting Height 6000mm,8000mm,8000mm	Turning Diameter (zero radius) 2610mm,3270mm,3450mm	Fork Dimensions 40*122*1000mm,50*150*1200mm	

	<b>CQDE20J, CQDE20HJ</b>	Rated Load 2000kg	Drive Motor Power 6.5kW,8kW	Lithium Battery 48V/300Ah,48V/350Ah	Max. Travel Speed 8km/h
	<b>CQDE20J, CQDE20HJ</b>	Rated Load 2000kg	Drive Motor Power 6.5kW,8kW	Lithium Battery 48V/300Ah,48V/350Ah	Max. Travel Speed 8km/h
		Max. Lifting Height 6000mm,10000mm	Turning Radius 1965mm,2000mm	Fork Dimensions 40*122*1070mm	

### Counterbalanced AGV Body

	<b>EBD15 II</b>	Rated Load 1500kg	Drive Motor Power 3kW	Lithium Battery 24V/200Ah	Max. Travel Speed 5.4km/h
	<b>EBD15 II</b>	Rated Load 1500kg	Drive Motor Power 3kW	Lithium Battery 24V/200Ah	Max. Travel Speed 5.4km/h
		Max. Lifting Height 4000mm	Turning Radius 1300mm	Fork Dimensions 40*122*1220mm	

	<b>EDB20 II</b>	Rated Load 2000kg	Drive Motor Power 3kW	Lithium Battery 24V/200Ah	Max. Travel Speed 5.4km/h
	<b>EDB20 II</b>	Rated Load 2000kg	Drive Motor Power 3kW	Lithium Battery 24V/200Ah	Max. Travel Speed 5.4km/h
		Max. Lifting Height 4500mm	Turning Radius 1685mm	Fork Dimensions 40*122*1220mm	

	<b>EDB30 II</b>	Rated Load 3000kg	Drive Motor Power 8kW	Lithium Battery 48V/300Ah	Max. Travel Speed 7km/h
	<b>EDB30 II</b>	Rated Load 3000kg	Drive Motor Power 8kW	Lithium Battery 48V/300Ah	Max. Travel Speed 7km/h
		Max. Lifting Height 6000mm	Turning Radius 1900mm	Fork Dimensions 45*125*1070mm	



MAKE HANDLING FULLY AUTONOMOUS  
EMPOWER LOGISTICS WITH BOUNDLESS FREEDOM



400-888-5107

Industry-City Integration  
Demonstration Zone, Huagang Town,  
Hefei City, Anhui Province, China

info@eforkrobot.com

www.eforkrobot.com



WeChat Official Account



WeChat Video Account



TikTok Account



### EDB50 II

Rated Load 5000kg	Drive Motor Power 10kW	Lithium Battery 80V/300Ah	Max. Travel Speed 7km/h
Max. Lifting Height 5000mm	Turning Radius 2460mm	Fork Dimensions 55*150*1220mm	



### CPD20,25SQ-AGV002, CPD30,35SQ-AGV001

Rated Load 2000kg,2500kg 3000kg,3500kg	Drive Motor Power 5.5kW*2,10kW*2 10kW*2,10kW*2	Lithium Battery 80V/150Ah,202Ah, 346Ah,404Ah	Max. Travel Speed 7km/h
Max. Lifting Height 5000mm	Turning Radius 1720mm,1845mm 2021mm,2021mm	Fork Dimensions 40*122*1070mm, 40*122*1070mm 50*125*1070mm, 50*125*1070mm	



### CPD12SH-AGV001

Rated Load 1200kg	Drive Motor Power 2.6kW	Lithium Battery 24V/280Ah	Max. Travel Speed 6km/h
Max. Lifting Height 4500mm	Turning Radius 1552mm	Fork Dimensions 32*100*970mm	



### CPD20SQ-AGV001

Rated Load 2000kg	Drive Motor Power 5.4kW*2	Lithium Battery 48V/404Ah	Max. Travel Speed 5km/h
Max. Lifting Height 6000mm	Turning Radius 1741mm	Fork Dimensions 40*122*1150mm	



### CPD35SQ-AGV002

Rated Load 3500kg	Drive Motor Power 16.6kW	Lithium Battery 80V/404Ah	Max. Travel Speed 7km/h
Max. Lifting Height 3000mm	Turning Radius 2297mm	Fork Dimensions 50*125*1070mm	



### CPD50-AGV001

Rated Load 5000kg	Drive Motor Power 20kW	Lithium Battery 80V/606Ah	Max. Travel Speed 15km/h
Max. Lifting Height 6000mm	Turning Radius 2844mm	Fork Dimensions 55*150*1220mm	



### CPD60,70 -AGV001

Rated Load 6000kg,7000kg	Drive Motor Power 17.1kW*2	Lithium Battery 80V/606Ah	Max. Travel Speed 16km/h
Max. Lifting Height 6000mm	Turning Radius 3336mm	Fork Dimensions 60*150*1220mm 65*150*1220mm	

## Three-Way Stacking AGV Body



### CDME16J

Rated Load 1600kg	Drive Motor Power 8kW	Lithium Battery 48V/300Ah	Max. Travel Speed 8km/h
Max. Lifting Height 10000mm	Turning Radius 2240mm	Fork Dimensions 50*125*1200mm	

## Towed AGV Body



### QYD30, 45, 50S-AGVLI001

Towing Capacity 3000kg, 4500kg, 5000kg	Drive Motor Power 3kW	Lithium Battery 48V/150Ah	
Turning Radius 1445mm	Max. Travel Speed 8km/h		



### QYD40, 50, 60, 70S-AGVLI003

Towing Capacity 4000kg, 5000kg, 6000kg, 7000kg	Drive Motor Power 4kW, 4kW, 6kW, 6kW	Lithium Battery 48V/202Ah	
Turning Radius 2115mm	Max. Travel Speed 12km/h, 12km/h, 14km/h, 14km/h		



### QYD60S-AGVLI002

Towing Capacity 6000kg	Drive Motor Power 7.5kW	Lithium Battery 48V/302Ah	
Turning Radius 2275mm	Max. Travel Speed 15km/h		



### QYD80, 100, 120, 150-AGVLI001

Towing Capacity 8000kg, 10000kg, 12000kg, 15000kg	Drive Motor Power 8.2kW, 8.2kW, 8.2kW, 12kW	Lithium Battery 80V/280Ah	
Turning Radius 1980mm	Max. Travel Speed 16km/h		



### QYD200, 250, 300-AGVLI001

Towing Capacity 20000kg, 25000kg, 30000kg	Drive Motor Power 30kW	Lithium Battery 80V/606Ah (LV)	
Turning Radius 3340mm	Max. Travel Speed 27km/h		



### QYD400-450-500-AGV001

Towing Capacity 40000kg, 45000kg, 50000kg	Drive Motor Power 50kW	Lithium Battery 307.2V/280Ah	
Turning Radius 4000mm	Max. Travel Speed 22km/h		

## RGV Equipment



### YTA15 Series

Rated Load 1500kg	Travel Speed 180m/min		
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### YRB15 Series

Rated Load 1500kg	Conveying Speed 12m/min, 16m/min, 18m/min	Travel Speed 180m/min	Min. Turning Radius 1500mm
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## Stacker Crane



### YDA15 Series

Rated Load 2.0t(SD), 1.5t(DD)	Max. Horizontal Speed 240m/min	Max. Horizontal Acceleration 0.5m/s <sup>2</sup>	Max. Lifting Speed 90m/min
Max. Lifting Acceleration 1.0m/s <sup>2</sup>	Max. Fork Speed 40m/min, 80m/min	Fork Acceleration 0.5m/s <sup>2</sup> , 2m/s <sup>2</sup>	Max. Height 50m



### YDB10 Straight Rail Series

Rated Load 1.5t(SD), 1.0t(DD)	Max. Horizontal Speed 160m/min	Max. Horizontal Acceleration 0.3m/s <sup>2</sup>	Max. Lifting Speed 60m/min
Max. Lifting Acceleration 0.5m/s <sup>2</sup>	Max. Fork Speed 40m/min, 80m/min	Fork Acceleration 0.5m/s <sup>2</sup> , 2m/s <sup>2</sup>	Max. Height 30m



### YDB15 Curved Rail Series

Rated Load 1.5T(DD), 2.0T(SD)	Max. Horizontal Speed 160m/min	Max. Horizontal Acceleration 0.3m/s <sup>2</sup>	Max. Lifting Speed 40m/min
Max. Lifting Acceleration 0.5m/s <sup>2</sup>	Max. Fork Speed 40m/min, 80m/min	Fork Acceleration 0.5m/s <sup>2</sup> , 2m/s <sup>2</sup>	Max. Height 25m



### YDB20 Straight Rail Series

Rated Load 3.0T(SD), 1.5T(DD)	Max. Horizontal Speed 160m/min	Max. Horizontal Acceleration 0.3m/s <sup>2</sup>	Max. Lifting Speed 60m/min
Max. Lifting Acceleration 0.5m/s <sup>2</sup>	Max. Fork Speed 40m/min, 80m/min	Fork Acceleration 0.5m/s <sup>2</sup> , 2m/s <sup>2</sup>	Max. Height 30m



### YDB30 Series

Rated Load 4.0t(SD), 3.0t(DD)	Max. Horizontal Speed 160m/min	Max. Horizontal Acceleration 0.3m/s <sup>2</sup>	Max. Lifting Speed 40m/min
Max. Lifting Acceleration 0.5m/s <sup>2</sup>	Max. Fork Speed 30m/min, 60m/min	Fork Acceleration 0.5m/s <sup>2</sup> , 2m/s <sup>2</sup>	Max. Height 30m



### YDB50 Series

Rated Load 5.5t(SD), 5.0t(DD)	Max. Horizontal Speed 120m/min	Max. Horizontal Acceleration 0.3m/s <sup>2</sup>	Max. Lifting Speed 20m/min
Max. Lifting Acceleration 0.33m/s <sup>2</sup>	Max. Fork Speed 20m/min, 60m/min	Fork Acceleration 0.5m/s <sup>2</sup> , 2m/s <sup>2</sup>	Max. Height 25m



### YDD1 Series

Rated Load 50kg(SD/DD/LHD*2) 100kg(DD/LHD*1)	Max. Horizontal Speed 300m/min	Max. Horizontal Acceleration 2.5m/s <sup>2</sup>	Max. Lifting Speed 90m/min
Lifting Acceleration 2.0m/s <sup>2</sup>	Max. Fork Speed 45m/min, 90m/min	Fork Acceleration 1m/s <sup>2</sup> , 2m/s <sup>2</sup>	Max. Height 15m

## Conveying Equipment



### YPC15 Series

Rated Load 1500kg	Conveying Speed 18m/min	Lifting Travel 80mm	Lifting Time 2.5s
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### YPB15 Series

Rated Load 1500kg	Conveying Speed 18m/min		
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### YPA15 Series

Rated Load 1500kg	Conveying Speed 18m/min	Operating Temperature 0~40°C, -25~0°C (Cold Storage)	
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## Four-Way Shuttle Series



### JCA12AN-UL

Rated Load 1200kg	AGV Body Weight 260kg	Battery Capacity 48V/35~40Ah
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### JCA15CN Series

Rated Load 1500kg	AGV Body Weight 270kg	Battery Capacity 48V/40Ah
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### JCA15CN Series (Cold Storage)

Rated Load 1500kg	AGV Body Weight 270kg	Battery Capacity 48V/30Ah
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### JCA20CN Series

Rated Load 2000kg	AGV Body Weight 520kg	Battery Capacity 48V/40Ah
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### JCA12UN-CE Series

Rated Load 1200kg	AGV Body Weight 270kg	Battery Capacity 48V/35~40Ah
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### JCA15JN Series

Rated Load 1200kg	AGV Body Weight 270kg	Battery Capacity 48V/35~40Ah
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## Side Shifter



### Bolt-on Side Shifter

Load Capacity 1.8t-6.8t
Side Shift Range ±50mm, ±70mm, ±100mm, ±150mm



### Integrated Side Shifter

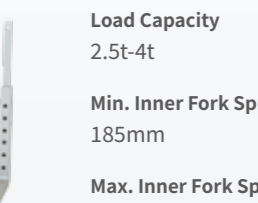
Load Capacity 1.8t-7t
Side Shift Range ±50mm, ±70mm, ±100mm

## Fork Positioner



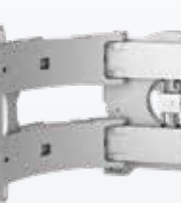
Load Capacity 1.8t-10t
Max. Adjustment Range 90mm-2420mm

## Single-Double Pallet Forks



Load Capacity 2.5t-4t
Min. Inner Fork Spread 185mm
Max. Inner Fork Spread 2400mm

## Paper Roll Clamp



Load Capacity 325kg-2500kg
Min. Arm Opening 200mm
Max. Arm Opening 1830mm

## Carton Clamp



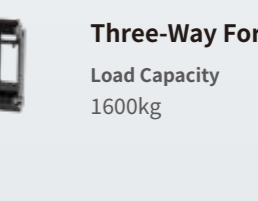
Load Capacity 1000kg-2200kg
Max. Arm Opening Range 520mm-2400mm

## Rotator



Load Capacity 1000kg-4500kg
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## Electric Attachment



Three-Way Fork Load Capacity 1600kg
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## Electric Fork Positioner



Load Capacity 1500kg
Max. Side Shift 360mm
Adjustment Range 340mm-1000mm

## Electric Rotator



Load Capacity 1700kg
Max. Fork Spacing 712mm
Rack Width 815mm