

M-Spark Series AMR Chassis

Stable load carrying, agile movement –
meeting the needs of efficient handling



100+

Seamless integration of AGVs/AMRs
and smart devices



50%

Handling efficiency
increased



60%

Deployment
efficiency improved



**Full-stack in-house
development**

Highly integrable |
Scalable

Application industries:



Automotive manufacturing



3C electronics



Semiconductors



Optical modules



New energy, and more

Product Models

Standard + custom configurations to suit different application scenarios

Omnidirectional Mobile Chassis

(Mecanum wheel)

500 kg high payload, omnidirectional movement – meeting flexible handling needs on complex production lines



MN500

MN500-T

Model	MN500	MN500-T
Net Weight/Payload	200 KG 500 KG	160 KG 500 KG
Dimensions	1080×660×300 mm	1050×500×300 mm
Actuator	Roller Conveyor/Parking Stabilization System/Station Docking/Composite Robot	
Navigation Method	Laser Navigation	Laser Navigation
Navigation Positioning Accuracy	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm
Path Planning	Autonomous Path Planning	Autonomous Path Planning
Direction of Travel	Omnidirectional Movement	Omnidirectional Movement
Maximum Speed	1.5 m/s	1.5 m/s
Safety Protection	360° LiDAR Collision Sensors Front/Rear Dual Emergency Stops Four-color LED Strips	
Battery Capacity	48V/60Ah	48V/40Ah
Charging Method	Rapid Battery Swap, Manual/Automatic Charging	Rapid Battery Swap, Manual/Automatic Charging

Differential Mobile Chassis

(Dual-differential wheels)

Compact structure, efficient operation – ideal for light- to medium-duty material handling scenarios



DN080-T

DN300

Model	DN080-T	DN300
Net Weight/Payload	50 KG 80 KG	106 KG 300 KG
Dimensions	540×450×240 mm	750×550×250 mm
Actuator	Roller Conveyor/Parking Stabilization System/Station Docking/Composite Robot	
Navigation Method	Laser Navigation	Laser Navigation
Navigation Positioning Accuracy	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm
Path Planning	Autonomous Path Planning	Autonomous Path Planning
Direction of Travel	Forward, Backward, Rotation	Forward, Backward, Rotation
Maximum Speed	1.8 m/s	1.6 m/s
Safety Protection	360° LiDAR Collision Sensors Diagonal Dual Emergency Stops Four-color LED Strips	
Battery Capacity	48V/15A	48V/30Ah
Charging Method	Manual/Automatic Charging	Manual/Automatic Charging

*Please contact our sales personnel for additional configurations or customized requirements.

M-ACTS Autonomous Transportation Control System

Compatible with various AGV/AMR navigation methods

Supports multiple scheduling protocols

Connects to various smart devices

Supports cloud deployment

Enables rapid integration with existing IT systems

8 h
Ultra-long endurance

<2 h
Charging time

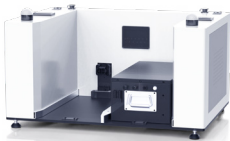
Smart Charging Station

- Automatic Charging
- Rapid Battery Swap



CH-A143/85

Net Weight	20 KG
Dimensions	410×320×270 mm
Charger Height	143/85±10 mm
Input	AC220V±10% < 10A
Output	DC58.4V MAX50A
Protocol/Interface	Modbus_TCP Ethernet Port



CH-MS60/40

Net Weight	68 KG
Dimensions	842×600×441 mm
Compatible Battery	60Ah/40Ah
Input	AC220V±10% < 10A
Output	DC58.4V 25/30A
Protocol/Interface	Modbus_TCP Ethernet Port



LinkedIn



Website

M-Speed Series Logistic AMR

Flexible lifting, efficient circulation –
making light-load logistics even faster



100+

Seamless integration of AGVs/AMRs
and smart devices



40%

Material turnover
efficiency increased



90%

Manual handling
losses reduced



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development**

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Scalable

Application industries:



Automotive manufacturing



3C electronics



Semiconductors



Optical modules



New energy, and more

Product Models

Standard + custom configurations to suit different application scenarios

Logistic AMR (Dual-differential wheels)

Stable lifting, precise docking – designed for material handling and automatic docking scenarios



DLR080



DER080

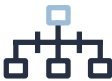
Model	DLR080	DER080
Net Weight	50 KG	50 KG
Dimensions	540×450×700 mm	540×450×890 mm
Conveyor Payload	50 KG	50 KG
Width Range	250-350 mm	250-350 mm
Length Range	≤ 400 mm	≤ 400 mm
Docking Height	400-800 mm	350-850 mm
Navigation Method	Laser Navigation	Laser Navigation
Navigation Positioning Accuracy	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm
Path Planning	Autonomous Path Planning	Autonomous Path Planning
Direction of Travel	Forward, Backward, Rotation	Forward, Backward, Rotation
Maximum Speed	1.8 m/s	1.8 m/s
Maximum Rotational Speed	±90° /s	±90° /s
Vertical Obstacle Clearance	<5 mm	<5 mm
Gap Crossing Capability	<10 mm	<10 mm
Gradeability	<5%	<5%
Safety Protection	360° LiDAR Collision Sensors Chassis: Diagonal Dual Emergency Stops; Superstructure: Single Top-surface Emergency Stop Four-color LED Strips	
Battery Capacity	48W/15Ah	48W/15Ah
Charging Method	Manual/Automatic Charging	Manual/Automatic Charging
Wireless Network	Wifi/5G	Wifi/5G
Interface	Ethernet Port, I/O 32/22	Ethernet Port, I/O 32/22
Supported Protocols	CANopen / Modbus_RTU / Modbus_TCP	CANopen / Modbus_RTU / Modbus_TCP

*Please contact our sales personnel for additional configurations or customized requirements.

M-ACTS Autonomous Transportation Control System



Compatible with various AGV/AMR navigation methods



Supports multiple scheduling protocols



Connects to various smart devices



Supports cloud deployment



Enables rapid integration with existing IT systems



6 h

Ultra-long endurance



<2 h

Charging time

Smart Charging Station



Automatic Charging

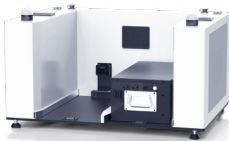


Rapid Battery Swap



CH-A143/85

Net Weight	20 KG
Dimensions	410×320×270 mm
Charger Height	143/85±10 mm
Input	AC220V±10% < 10A
Output	DC58.4V MAX50A
Protocol/Interface	Modbus_TCP Ethernet Port



CH-MS60/40

Net Weight	68 KG
Dimensions	842×600×441 mm
Compatible Battery	60Ah/40Ah
Input	AC220V±10% < 10A
Output	DC58.4V 25/30A
Protocol/Interface	Modbus_TCP Ethernet Port

400-189-9358 www.eliterobots.com

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Pilot Free Trade Zone Suzhou Area



LinkedIn



Website

M-Flex Series Lifting AMR

Multi-level payload options, providing flexible adaptation to different material handling requirements



100+

Seamless integration of AGVs/AMRs and smart devices



60%

Labor cost reduced



40%

Space utilization improved



Full-stack in-house development

Highly integrable | Scalable

Application industries:



Automotive manufacturing



3C electronics



Semiconductors



Optical modules



New energy, and more

Product Models

Standard + custom configurations to suit different application scenarios

Lifting AMR (Dual-differential wheels)

Up to 1000 kg payload, enabling stable lifting and efficient transfer of heavy materials



DL400



DL600



DL1000

Model	DL400	DL600	DL1000
Net Weight/Payload	98 KG 400 KG	130 KG 600 KG	180 KG 1000 KG
Dimensions	780×540×250 mm	950×650×250 mm	1150×820×256 mm
Chassis Ground Clearance	25 mm	25 mm	25 mm
Lifting Drive/Stroke	Electric 60 mm	Electric 60 mm	Electric 60 mm
Lifting Platform Dimensions	710×500 mm	850×600 mm	1050×750 mm
Minimum Rotation Diameter	750 mm	965 mm	1199 mm
Navigation Method	Laser Navigation	Laser Navigation	Laser Navigation
Navigation Positioning Accuracy	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm
Path Planning	Autonomous Path Planning	Autonomous Path Planning	Autonomous Path Planning
Direction of Travel	Forward, Backward, Rotation	Forward, Backward, Rotation	Forward, Backward, Rotation
Maximum Speed	1.9 m/s	1.9 m/s	1.9 m/s
Maximum Rotational Speed	±100° /s	±100° /s	±100° /s
Vertical Obstacle Clearance	<5 mm	<5 mm	<5 mm
Gap Crossing Capability	<30 mm	<30 mm	<30 mm
Gradeability	<5%	<5%	<5%
Safety Protection	360° LiDAR Collision Sensors Front/Rear Dual Emergency Stops Four-color LED Strips		
Battery Capacity	48V/20Ah	48V/24Ah	48V/40Ah
Charging Method	Manual/Automatic Charging	Manual/Automatic Charging	Manual/Automatic Charging
Wireless Network	Wifi/5G	Wifi/5G	Wifi/5G
Interface	Ethernet Port, I/O 32/22	Ethernet Port, I/O 32/22	Ethernet Port, I/O 32/22
Supported Protocols	CANopen / Modbus_RTU / Modbus_TCP	CANopen / Modbus_RTU / Modbus_TCP	CANopen / Modbus_RTU / Modbus_TCP

M-ACTS Autonomous Transportation Control System

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Compatible with various AGV/AMR navigation methods



Supports multiple scheduling protocols



Connects to various smart devices



Supports cloud deployment



Enables rapid integration with existing IT systems



8 h

Ultra-long endurance



<1.5 h

Charging time

Smart Charging Station



Automatic Charging

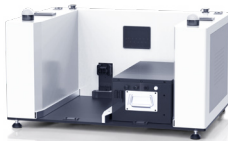


Rapid Battery Swap



CH-A143/85

Net Weight	20 KG
Dimensions	410×320×270 mm
Charger Height	143/85±10 mm
Input	AC220V±10% < 10A
Output	DC58.4V MAX50A
Protocol/Interface	Modbus_TCP Ethernet Port



CH-MS60/40

Net Weight	68 KG
Dimensions	842×600×441 mm
Compatible Battery	60Ah/40Ah
Input	AC220V±10% < 10A
Output	DC58.4V 25/30A
Protocol/Interface	Modbus_TCP Ethernet Port

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M-Force Series Forklift AMR

Heavy-duty material handling, precise stacking – suitable for material picking and high-bay transfer applications



100+

Seamless integration of AGVs/AMRs and smart devices



40%

Material turnover efficiency increased



50%

Inbound & outbound logistics efficiency improved



Full-stack in-house development

Highly integrable | Scalable

Application industries:



Automotive manufacturing



3C electronics



Semiconductors



Optical modules



New energy, and more

Product Models

Standard + custom configurations to suit different application scenarios

Forklift AMR (Steering wheel)

Designed for heavy-duty warehousing scenarios – covering integrated operations of handling, lifting, and stacking



FL1600



FE1400

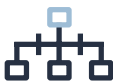
Model	FL1600	FE1400
Net Weight	460 KG	900 KG
Dimensions	1680×842×1900 mm	1720×1000×2450 mm
Payload	1600 KG	1400 KG
Load Center Distance	600 mm	600 mm
Standard Lift Height	120 mm	1600/3000 mm
Fork Dimensions/Outer Fork Width	1220×173×60 mm 600/680 mm	1150×185×60 mm 570/680 mm
Minimum Turning Radius	1325 mm	1300 mm
Navigation Method	Laser Navigation	Laser Navigation
Positioning Accuracy	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm
Path Planning	Autonomous Path Planning	Autonomous Path Planning
Direction of Travel	Forward, Backward, Rotation	Forward, Backward, Rotation
Maximum Speed	1.5 m/s	1.5 m/s
Vertical Obstacle Clearance	<10 mm	<5 mm
Gap Crossing Capability	<30 mm	<15 mm
Gradeability	<5%	<5%
Safety Protection	Front 180° Obstacle Avoidance Laser + Rear Fork-tip Photoelectric Sensors Front Bottom + Bottom Side Mechanical Safety Edges Dual-sided Dual Emergency Stop Four-color LED Strips	
Battery Capacity	48V/50Ah	24V/200Ah
Charging Method	Manual/Automatic Charging	Manual/Automatic Charging
Wireless Network	Wifi/5G	Wifi/5G
Interface	Ethernet Port, I/O 32/22	Ethernet Port, I/O 32/22
Supported Protocols	CANopen / Modbus_RTU / Modbus_TCP	CANopen / Modbus_RTU / Modbus_TCP

M-ACTS Autonomous Transportation Control System

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Compatible with various AGV/AMR navigation methods



Supports multiple scheduling protocols



Connects to various smart devices



Supports cloud deployment



Enables rapid integration with existing IT systems



6-8 h
Ultra-long endurance



<2 h
Charging time

Smart Charging Station



Automatic Charging

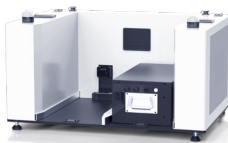


Rapid Battery Swap



CH-A143/85

Net Weight	20 KG
Dimensions	410×320×270 mm
Charger Height	143/85±10 mm
Input	AC220V±10% < 10A
Output	DC58.4V MAX50A
Protocol/Interface	Modbus_TCP Ethernet Port



CH-MS60/40

Net Weight	68 KG
Dimensions	842×600×441 mm
Compatible Battery	60Ah/40Ah
Input	AC220V±10% < 10A
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Protocol/Interface	Modbus_TCP Ethernet Port

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Website

M-Bot Series Mobile Manipulator

Unified controller – redefining robot control architecture



50%

Task response time reduced



40%-60%

System commissioning time shortened



20%-30%

Overall efficiency for complex tasks improved



Full-stack in-house development

Highly integrable | Scalable

Application industries:



Automotive manufacturing



3C electronics



Semiconductors



Optical modules



New energy, and more

Product Models

Standard + custom configurations to suit different application scenarios

Omnidirectional Mobile Platform

(Mecanum wheel)

Supports lateral movement, diagonal movement, and in-place rotation, suitable for complex paths and flexible multi-station operations



MC500-12

MC500-12-T

MC500-12-PRO

Model	MC500-12	MC500-12-T	MC500-12-PRO
Net Weight	400 KG	350 KG	400 KG
Payload	300 KG	300 KG	300 KG
Dimensions	1080×660×850 mm	1050×500×850 mm	1080×660×880 mm
Working Radius	1304 mm	1304 mm	1304 mm
Arm Payload	12 KG	12 KG	12 KG
Maximum Speed	1.5 m/s	1.5 m/s	1.5 m/s
Integrated Positioning Accuracy (2.5D)	±0.2 mm	±0.2 mm	±0.2 mm
Navigation Positioning Accuracy	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm
Battery Capacity	48V/60Ah	48V/40Ah	48V/60Ah
Charging Method	Rapid Battery Swap, Manual/ Automatic Charging	Rapid Battery Swap, Manual/ Automatic Charging	Rapid Battery Swap, Manual/ Automatic Charging

Differential Mobile Platform

(Differential wheel)

Simple structure, easy maintenance, adaptable to various floor surfaces



DC300-06

DC400-06

DC600-12

Model	DC300-06	DC400-06	DC600-12
Net Weight	250 KG	250 KG	300 KG
Payload	150 KG	250 KG	400 KG
Dimensions	750×550×650 mm	780×540×650 mm	950×650×650 mm
Working Radius	914 mm	914 mm	1304 mm
Arm Payload	6 KG	6 KG	12 KG
Maximum Speed	1.5 m/s	1.9 m/s	1.9 m/s
Integrated Positioning Accuracy (2.5D)	±0.2 mm	±0.7mm	±0.7mm
Navigation Positioning Accuracy	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm	Reflectorless: ±10 mm; Reflective: ±5 mm
Battery Capacity	48V/30Ah 51.2V/60Ah	48V/30Ah	48V/30Ah
Charging Method	Manual/Automatic Charging Optional Rapid Battery Swap System	Manual/Automatic Charging	Manual/Automatic Charging

*Please contact our sales personnel for additional configurations or customized requirements.

Technical Advantages



Unified Controller



2.5D Vision + IMU



Unified User Interface



Autonomous Transportation Control System



6 h

Ultra-long endurance



<2 h

Charging time



IP68

IP rating

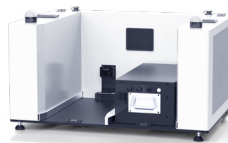
Smart Charging Station

- Automatic Charging
- Rapid Battery Swap



CH-A143/85

Net Weight	20 KG
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CH-MS60/40

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Compatible Battery	60Ah/40Ah
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