ELITE ROBOTS ELITEMISSION

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

Make Intelligence Instinctive.

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

Model	MN500
Net Weight/Payload	200 KG | 500 KG
Dimensions	1080×660×300 mm
Actuator	Roller Conveyor/Parking Stabilization System/Station Docking/Hybird
Navigation Method	Laser Navigation
Navigation Positioning Accuracy	Reflectorless: ±10 mm; Reflective: ±5 mm
Path Planning	Autonomous Path Planning
Direction of Travel	Omnidirectional Movement
Maximum Speed	1.5 m/s
Safety Protection	SICK 360° LiDAR | Collision Sensors | Four Emergency Stop Buttons | Safety PLC
Battery Capacity	48V/60Ah
Charging Method	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

DN300

Model	DN300
Net Weight/Payload	106 KG | 300 KG
Dimensions	750×550×250 mm
Actuator	Roller Conveyor/Parking Stabilization System/Station Docking/Hybird
Navigation Method	Laser & QR Code Navigation
Navigation Positioning Accuracy	Reflectorless: ±10 mm; Reflective: ±5 mm
Path Planning	Autonomous Path Planning
Direction of Travel	Forward, Backward, Rotation
Maximum Speed	1.6 m/s
Safety Protection	SICK 360° LiDAR | Collision Sensors | Four Emergency Stop Buttons | Safety PLC
Battery Capacity	48V/30Ah
Charging Method	Manual/Automatic Charging

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

M-ATCS 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

EH-4850-C1-130

Net Weight	24±5%KG
Dimensions	447×436×490mm
Charger Height	130mm
Input	AC 220V (10A National Standard Plug)
Output	DC58.4V | MAX50A
Protocol/ Interface	RS485 | 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

4-2-1, Zhongxin Zhongyuan Industrial Park, No. 259 Changyang Street, Suzhou Industrial Park, China (Jiangsu) Pilot Free Trade Zone Suzhou Area

LinkedIn Website

ELITE ROBOTS ELITEMISSION

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:

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Make Intelligence Instinctive.

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

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

Differential Mobile Platform
(Differential wheel)

Simple structure, easy maintenance, adaptable to various floor surfaces

DC300-06

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

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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
Robotic Arm IP rating

Smart Charging Station

- Automatic Charging
- Rapid Battery Swap

EH-4850-C1-130

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Dimensions	447×436×490mm
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Input	AC 220V (10A National Standard Plug)
Output	DC58.4V | MAX50A
Protocol/ Interface	RS485 | Ethernet Port

CH-MS60/40

Net Weight	68 KG
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Input	AC220V±10% | < 10A
Output	DC58.4V | 25/30A
Protocol/Interface	Modbus_TCP | Ethernet Port

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