



SHINHEE C&M.Co.,Ltd



www.shcnmmobility.co.kr

SHINHEE C&M.Co.,Ltd
SHINHEE CASTER & MOBILITY

Electric mobility logistics transportation Solution

Striving to be the best

SHINHEE C&M.Co.,Ltd

SHINHEEC&M is located in Hwaseong, Gyeonggi-do and specializes in developing and manufacturing casters, electric carts, AGVs, and AMRs.

Founded in 2002 as a caster and transport company, we have increased our domestic market share with excellent price competitiveness and excellent quality.

In 2019, in response to changes in the industrial environment in the global market, we established an electric cart division and have focused on research and development and business expansion, focusing on the design and manufacturing of electric carts and AGVs.

2022 Corona, The need for smart factories.As the need for smart factories increases after the coronavirus outbreak, we hired robot engineers from overseas to develop AMR and smart factory solutions that combine advanced logistics robots and AI technology. We began tech R&D and mobile robot development and production, and completed the development of WONBOTM+ (hardware + software integrated solution), a mobile robot management and smart factory software solution.

SHINHEEC&M's smart solutions aim to connect humans and AMR and improve customers' productivity, profitability and efficiency.

SHINHEE C&M
executives and staff

BUSINESS AREA

CASTER



ELECTRIC CART



AMR/AGV




HISTORY

- 2023** • Establishment of smart solution
(hardware + software integrated solution)
- 2022** • Developed a fresh cart with refrigeration function
First AMR developed, named WONBOT AMR
Application development for WONBOTM+ AMR
management, minimal MES and WMS smart factory support
- 2021** • Established an R&D division for the design and
manufacturing of electric carts and began direct
development and sales.
- 2020** • Shinhee Caster Vietnam corporation established
Acquired Blue Motion, a company specializing in electric
products, and began direct development and sales
- 2019** • Registered as a partner company
of Trasco Co.,Ltd. Purchased
Shinhee Caster Hwaseong 2nd factory
- 2018** • Started exporting casters (USA)
- 2015** • Collaboration with Blue Motion
Registered as a Chinese partner and started sales
- 2011** • Established Shinhee Caster Hwaseong 1st factory
Established Shinhee Caster 2nd factory in China
- 2004** • Shinhee Establishment China Caster Factory 1
Shinhee Caster Trademark Registration and
Independent Brand Management
- 1999** • Establishment of Shinhee Caster in China,
focusing on exports to Korea


NARGO 150

ENTRY-LEVEL ELECTRIC TRANSPORT CART






Maximum loading capacity
150KG




Maximum Speed
5Km/h



Maximum Travel Distance
5Km

Stowage box (classified by type and size)


Selection by type



Flat type



Door type



Mash type



Custom Made

Loading box size

600×940

550×850

540×830

custom made

PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	150KG
1.02	Maximum Speed	4.5KM / H
1.03	maximum distance	5KM
1.04	Loading box size	Basic 3 types (600×940 / 550×850 / 540×830)
1.05	Loading box type	Basic 3 types (flat type / door type / mash type) / customization available
1.06	Outer Size	600×1230×1000H

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	BLDC200Wx2set
2.02	Battery	12V18Ahx2set (maintenance-free closed type Deep Cycle)
2.03	Charger	24V 02A
2.04	Tire	8inch (no puncture)
2.05	Caster	6inchSoftUrethane (noiseless high-end type)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	Tilting System	System for safe grip of the driving part
3.02	Abdominal pressure	Safety switch
3.03	Maximum Speed	control Equipped with volume to adjust maximum speed

Designed plane structure

Designed with a variable structure, immediate response is possible depending on the size of the loading box, and the seller can change the loading box.



charger

charging can be done anywhere, even if there is a 220V outlet, using the included charging cable.



Caster wheel steering type

Caster wheel type that can rotate in place, enabling steering and driving even in narrow areas.



Specifications

Maximum speed control volume / digital LED battery gauge / integrated forward/reverse lever / abdominal compression prevention emergency switch equipped.



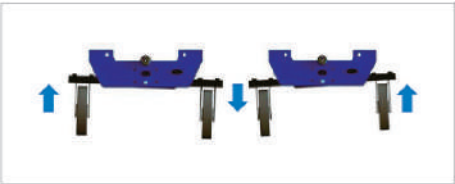
Tires

High quality tie with no punctures and good cushioning.



Tilting system

Tilting system applied to increase grip on the eastern part of the drive to enable stable operation even on uneven ground.



NARGO 300 / 400

ENTRY-LEVEL ELECTRIC TRANSPORT CART



Maximum loading capacity
300KG / 400KG



Maximum Speed
5Km/h



Maximum Travel Distance
10Km

Stowage box (classified by type and size)

Selection by type



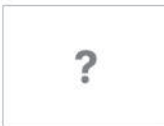
Flat type



Door type



Mash type



Custom Made

Loading box size

600×940 / 700×1140

550×850 / 650×1050

540×830 / 640×1030

custom made

PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	300KG / 400kg
1.02	Maximum Speed	4.5KM / H
1.03	maximum distance	10KM
1.04	Loading Size	model 300 : Basic 3 types (600×940 / 550×850(door) / 540×830(mash) model 400 : Basic 3 types (700×1140 / 650×1050(door) / 640×1030(mash)
1.05	Loading box type	3 types (flat type / door type / mash type) / customization
1.06	Outer Size	modle300 (600×1230×1020H) / modle400 (700×1430×1020H)

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	12V36Ahx2set (maintenance-free closed type Deep Cycle)
2.03	Charger	24V 05A
2.04	Tire	10inchFoamFilled (no puncture)
2.05	Caster	6inchSoftUrethane (noiseless high-end type)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	Tilting System	System for safe grip of the driving part
3.02	FoamFildTire	Puncture-resistant tires filled with high-quality urethane foam inside
3.03	Abdominal pressure	Safety switch
3.04	Maximum speed	control Equipped with volume to adjust maximum speed

Designed plane structure

Designed with a variable structure, immediate response is possible depending on the size of the loading box, and the seller can change the loading box.



charger

charging can be done anywhere, even if there is a 220V outlet, using the included charging cable.



Caster wheel steering type

Caster wheel type that can rotate in place, enabling steering and driving even in narrow areas.



Specifications

Maximum speed control volume / digital LED battery gauge / integrated forward/reverse lever / abdominal compression prevention emergency switch equipped.



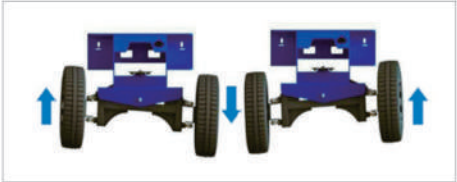
Foam-field Tires

High quality foam field tie with no punctures and good cushioning.



Tilting system

Tilting system applied to increase grip on the eastern part of the drive to enable stable operation even on uneven ground.



BL101

ENTRY-LEVEL ELECTRIC TRANSPORT CART



Maximum loading capacity
500KG







Maximum Speed
4.5Km/h



Maximum Travel Distance
10Km

Stowage box (classified by type and size)

Selection by type

			
Flat type	Door type 250H	Door type 650H	Custom Made

Loading box size

580×1030	Custom Made
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PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	500KG
1.02	Maximum Speed	4.5KM / H
1.03	maximum distance	10KM
1.04	Loading box size	580×1030 / custom made
1.05	Loading box type	3 Types(Flat type / Door type 250H / Door type 650H) / custom made
1.06	Outer Size	630×1380×960H / custom made

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	12V36Ahx2set (Maintenance-free, sealed type Deep Cycle)
2.03	Charger	24V 05A
2.04	Tire	10inchFoamFilled (No puncture)
2.05	Caster	6inchSoftUrethane (Noiseless high-end type)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	FoamFilledTire	Equipped with puncture-resistant tires filled with high-quality urethane foam
3.02	Emergency stop button	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Maximum Speed	Maximum Speed Equipped with adjustable volume

Detachable loading frame

It is designed with a frame structure that can be separated from the loading box, so it can be replaced separately if the loading box is damaged in the future.



Built-in Charger

Since the charger is built into the vehicle body, charging is possible anywhere with a 220V outlet using the included charger.



Caster wheel steering type

Caster wheel type that can rotate in place and can be used even in narrow areas.



Specifications

Maximum speed control volume / digital LED battery gauge / high quality emergency stop switch.



Foam-field Tires

Equipped with high-quality foam-field tires that do not puncture and provide good cushioning.






Auxiliary filing cabinet

Equipped with an auxiliary document box to store documents and other items needed for work.



NARGO-S-Series

STANDARD ELECTRIC TRANSPORT CART

	MODEL	REF.NO	DESCRIPTION	VALUE
 <p>Maximum loading capacity 100KG</p> <p>Maximum Speed 4Km/h</p> <p>Maximum Travel Distance 10Km</p>	NARGO-M-1	1.01	Max Speed	4Km/h
		1.02	Max Weight	100Kg
		1.03	Slope	10Degree
		1.04	Motor	24VBLDC200W2set
		1.05	Battery	Li-ion36V10Ah (MadeinKorea)
		1.06	Charger	36V 1.7A
		1.07	Driving method	Manual use / power assist (throttle)
		1.08	Loading Size	510×820
		1.09	Driving wheel	6inchMotorwheel
		1.10	Caster wheels	SHP540 4inch
		1.11	Function	Emergency stop button / LED Battery remaining gauge / Automatic deceleration on slopes (when power is applied) / Tilting system (improvement of traction)
 <p>Maximum loading capacity 200KG</p> <p>Maximum Speed 4.5Km/h</p> <p>Maximum Travel Distance 10Km</p>	NARGO-P-1 NARGO-P-2 NARGO-P-3	1.01	Max Speed	4Km/h
		1.02	Max Weight	200Kg
		1.03	Slope	10Degree
		1.04	Motor	24V BLDC 200W 2set
		1.05	Battery	Li-ion 36V 10Ah(MadeinKorea)
		1.06	Charger	36V 1.7A
		1.07	Driving method	Manual use / power assist (throttle)
		1.08	Loading Size	535×840(P1) / 610×930(P2) / 645×1330(P3)
		1.09	Driving wheel	6inchMotorwheel/8inchMotorwheel(p3 Model only)
		1.10	Caster wheels	6inchCaster / 8inchCaster(L modle only) / 645×1330(P3)
		1.11	Function	Emergency stop button / LED Battery remaining gauge / Automatic deceleration on slopes (when power is applied) / Tilting system (improvement of traction)
 <p>Maximum loading capacity 300KG</p> <p>Maximum Speed 4.5Km/h</p> <p>Maximum Travel Distance 10Km</p>	NARGO-R-1 NARGO-R-2	1.01	Max Speed	4.5Km/h
		1.02	Max Weight	300Kg
		1.03	Slope	10Degree
		1.04	Motor	24VBLDC200W2set
		1.05	Battery	Li-ion36V10Ah(MadeinKorea)
		1.06	Charger	36V 1.7A
		1.07	Driving method	Manual use / power assist (throttle)
		1.08	Loading Size	1100×800(R1) / 900×600(R2)
		1.09	Driving wheel	6inch Motor wheel
		1.10	Caster wheels	MH6660 SPU 6inch
		1.11	Function	Emergency stop button/LED Battery remaining gauge / Automatic deceleration on slopes (when power is applied) / Tilting system (improvement of traction)

BC101

HIGH-END CART



Maximum loading capacity
500KG







Maximum Speed
4.5Km/h



Maximum Travel Distance
10Km

Stowage box (classified by type and size)

Selection by type

			
Flat type	Door type 250H	Door type 650H	Custom Made

Loading box size

750×1000	750×1200	750×1400	Custom Made
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PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	500KG
1.02	maximum speed	4.5KM / H
1.03	maximum distance	10KM
1.04	loading Size	Basic 3 types (750×1000 / 750×1200 / 750×1400) / customization available
1.05	Loading box type	Basic 3 types (flat type / door type 250H / door type 650H) / customization available
1.06	Quoin Size	750×1165×1100H / 750×1365×1100H / 750×1565×1000H / Separate customization available

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	12V36Ahx2set (maintenance-free closed type Deep Cycle)
2.03	Charger	24V 05A
2.04	Tire	10inchFoamFilled (no puncture)
2.05	Caster	8inchSoftUrethane (noiseless high-end type)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	Tilting System	System for safe grip of the driving part
3.02	FoamFilldTire	Puncture-resistant tires filled with high-quality urethane foam inside
3.03	abdominal pressure	Safety switch
3.04	Maximum speed	control Equipped with volume to adjust maximum speed

Detachable loading frame

Designed with a variable structure, immediate response is possible depending on the size of the loading box, and the seller can change the loading box.



Built-in Charger

Since the charger is built into the vehicle, charging can be done anywhere, even if there is a 220V outlet, using the included charging cable.



Caster wheel steering type

Caster wheel type that can rotate in place, enabling steering and driving even in narrow areas.



Specifications

Maximum speed control volume / digital LED battery gauge / integrated forward / reverse lever / abdominal compression prevention emergency switch equipped.



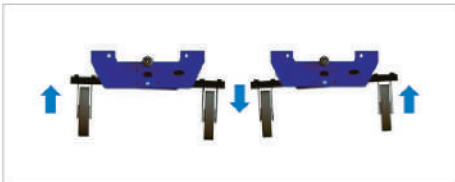
Foam-field Tires

High quality foam field tie with no punctures and good cushioning.



Tilting system

Tilting system applied to increase grip on the eastern part of the drive to enable stable operation even on uneven ground.



BC201

HIGH-END WALKING
TRANSPORT CART



Maximum loading capacity
700KG







Maximum Speed
6.0Km/h



Maximum Travel Distance
10Km

Stowage box (classified by type and size)

Selection by type

			
Flat type	Door type 250H	Door type 650H	Custom Made

Loading box size

800×1000	800×1200	800×1400	Custom Made
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PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	700KG
1.02	maximum speed	6.0KM/H
1.03	maximum distance	10KM
1.04	loading Size	Basic 3 types (750×1000 / 750×1200 / 750×1400) / customization available
1.05	Loading box type	3 types (flat type / door type 250H / door type 650H) / customization
1.06	Quoin Size	800×1335×1180H / 800×1535×1180H / 800×1735×1080H / customization

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	12V36Ahx2set (maintenance-free closed type Deep Cycle)
2.03	Charger	24V 05A
2.04	Tire	13inchFoamFilled (no puncture)
2.05	Steering Tire	13inchSoftUrethane (no puncture)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	Tilting System	System for safe grip of the driving part
3.02	FoamFilldTire	Puncture-resistant tires filled with high-quality urethane foam inside
3.03	abdominal pressure	Safety switch
3.04	Maximum speed control	Equipped with volume to adjust maximum speed

Detachable loading frame

Designed with a variable structure, immediate response is possible depending on the size of the loading box, and the seller can change the loading box.



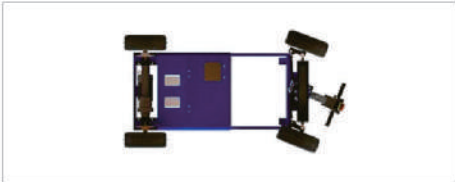
Built-in Charger

Since the charger is built into the vehicle, charging can be done anywhere, even if there is a 220V outlet, using the included charging cable.



Caster wheel steering type

Caster wheel type that can rotate in place, enabling steering and driving even in narrow areas.



Specifications

Maximum speed control volume / digital LED battery gauge / integrated forward / reverse lever / abdominal compression prevention emergency switch equipped.



Foam-field Tires

High quality foam field tie with no punctures and good cushioning.



Tilting system

Tilting system applied to increase grip on the eastern part of the drive to enable stable operation even on uneven ground.



BP101

RIDE-ON TRANSPORT
CART



Maximum loading capacity
500KG







Maximum Speed
6.0Km/h



Maximum Travel Distance
15Km

Stowage box (classified by type and size)

Selection by type

			
Flat type	Door type 250H	Door type 650H	Custom Made

Loading box size

900×1480	custom made
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PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	500KG
1.02	maximum speed	6.0KM / H
1.03	maximum distance	10KM
1.04	Loading box size	900×1480/separate custom made possible
1.05	Loading box type	3 types (Flat type / Door type 250H / Door type 650H) / custom
1.06	Quoin Size	900×2210×1090H / Separate custom made possible

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	12V55Ahx2set (Maintenance-free, sealed type Deep Cycle)
2.03	Charger	24V 05A
2.04	Tire	13inchFoamFilled (No puncture)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	Tilting System	System for safe grip of the driving part
3.02	FoamFildTire	Equipped with puncture-resistant tires filled with high-quality urethane foam
3.03	Emergency stop switch	A switch that can stop the vehicle in case of emergency or malfunction
3.04	Maximum Speed	Maximum Speed Equipped with adjustable volume
3.05	Driving indicator light	Safety LED light that lets you know that you are driving

Folding Footrest

Equipped with folding footrests, it can minimize operator fatigue when moving long distances or over large areas.



Built-in Charger

Since the charger is built into the vehicle body, it can be charged anywhere with a 220V outlet using the included charging cable.



Running Light

LED light works to let you know that you are driving for safe driving.



Specifications

Maximum speed control volume / digital LED battery gauge / integrated forward / reverse lever / abdominal compression prevention emergency switch equipped.



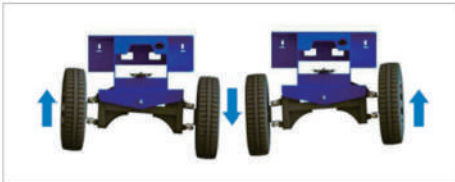
Foam-field Tires

High quality foam field tie with no punctures and good cushioning.



Tilting system

Tilting system applied to increase grip on the eastern part of the drive to enable stable operation even on uneven ground.



BP201

STEERING TYPE TRANSPORT CART



Maximum loading capacity
500KG



Maximum Speed
4.5Km/h



Maximum Travel Distance
15Km

Stowage box (classified by type and size)

Selection by type



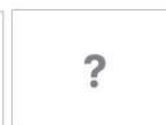
Flat type



Door type 250H



Door type 650H



Custom Made

Loading box size

800×1100

custom made

PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	500KG
1.02	maximum speed	4.5KM / H
1.03	maximum distance	15KM
1.04	Loading box size	745×1070 / custom made
1.05	Loading box type	3 types (Flat type / Door type 250H / Door type 650H) / custom
1.06	Quoin Size	745×1360×1340H / custom made

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	12V55Ahx2set (Maintenance-free, sealed type Deep Cycle)
2.03	Charger	24V 05A
2.04	Tire	10inchFoamFilled (No puncture)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	FoamFilledTire	Equipped with puncture-resistant tires filled with high-quality urethane foam
3.02	emergency stop switch	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Maximum Speed	Maximum Speed Equipped with adjustable volume
3.04	Driving indicator light	Safety LED light that lets you know that you are driving

Gas spring handle installed

Equipped with a handle that adjusts the height of the handle by applying a gas spring.



Built-in Charger

Since the charger is built into the vehicle body, it can be charged anywhere with a 220V outlet using the included charging cable.



Running Light

LED light works to let you know that you are driving for safe driving.



Specifications

Maximum speed control volume / digital LED battery gauge / integrated forward / reverse lever / abdominal compression prevention emergency switch equipped.



Foam-field Tires

High quality foam field tie with no punctures and good cushioning.



Steering handle type

It is equipped with a steering-type handle, allowing for comfortable direction changes with little effort.



Driving Performances

ELECTRIC CART FOR REFRIGERATION



Volume
200L



Maximum Speed
Below 8Km/h



Maximum Travel Distance
minimum 20km drive possible



- ① Refrigerator door
- ② Operating handle
- ③ Refrigerated
- ④ Front Light
- ⑤ Steering Tire
- ⑥ Driving Tire



- ① LEDMonitor(40inch)- Built-in speaker
- ② Footrest(Foldable)




- ① Canopy
- ② Subtray


DIVISION	PART	VALUE	NOTE
Driving part	Max Load	200Kg	
	Max Speed	8Km/h	3Km/h
	Motor	24V 1200W	
	Battery	Lithium 24V 100Ah	Able to drive at least 20km
	Charger	24V 20Ah	Charge for 7 to 8 hours based on full discharge
Refrigeration functoins	Temperature range	2°C~10°C	
	Volume	172L	
	Compressor	SECOP250	
	Refrigerant	R134a	
Safety and convenience specifications		Equipped with 40-inch LED monitor	Built-in speaker type
		Equipped with folding footrest	
		Equipped with front light	
		Emergency stop button	
		Equipped with speed control volume	
		Cracking installed	
		LED battery gauge installed	


BT101

ELECTRIC TOW CART



- 

Maximum loading capacity
1000KG
- 

Maximum Speed
4.5Km/h
- 

Maximum Travel Distance
10Km

PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum traction	1000KG
1.02	Maximum Speed	4.5KM / H
1.03	maximum distance	10KM
1.04	Outer Size	600×1160×1040H

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	24V20Ah (lithium ion)
2.03	Charger	24V 10A
2.04	Tire	10inchFoamFilled (No puncture)
2.05	Caster	4inchUrethane

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	FoamFilldTire	Equipped with puncture-resistant tires filled with high-quality urethane foam
3.02	Emergency stop button	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Maximum Speed	Maximum Speed Equipped with adjustable volume
3.04	Indicator light	Safety LED light that lets you know that you are driving
3.05	Foot-trapping prevention guide	A safety guide is installed on the caster to prevent feet from getting caught.

Specifications

Maximum speed control volume / digital LED door equipped, battery gauge /stomach pressure prevention switch replacement and maintenance.



Foam-field Tires

High-quality foam-field tires with good cushioning and no punctures.



cabinet and light

Equipped with an auxiliary document box to store documents and other work-related items. Conveniently equipped with an LED light to indicate when driving.



Battery replaceable

Equipped with a gas spring-type battery, battery replacement and management are easy.



Battery Charging

Auxiliary battery and charging fee for environments requiring 24-hour use (optional).



lithium ion Battery

It is molded into a plastic case equipped with a high-capacity lithium battery developed exclusively for our model, making it safe and convenient to use.




Built-in Charger


Since the charger is built into the car body, the charger can be charged anywhere with a 20V outlet using the included charging cable.




BT102
ELECTRIC TOW CART



- 

Maximum loading capacity
1500KG
- 

Maximum Speed
4.5Km/h
- 

Maximum Travel Distance
10Km

PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum traction	1500KG
1.02	Maximum Speed	4.5KM / H
1.03	maximum distance	10KM
1.04	Outer Size	600×1160×1040H

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	24V20Ah (lithium ion)
2.03	Charger	24V 10A
2.04	Tire	10inchFoamFilled (No puncture)
2.05	Caster	4inchUrethane

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	FoamFilldTire	Equipped with puncture-resistant tires filled with high-quality urethane foam
3.02	Emergency stop button	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Maximum Speed	Maximum Speed Equipped with adjustable volume
3.04	Indicator light	Safety LED light that lets you know that you are driving
3.05	Foot-trapping prevention guide	A safety guide is installed on the caster to prevent feet from getting caught

Specifications

Maximum speed control volume / digital LED door equipped, battery gauge / stomach pressure prevention switch replacement and maintenance



Foam-field Tires

High-quality foam-field tires with good cushioning and no punctures.



cabinet and light

Equipped with an auxiliary document box to store documents and other work-related items. Conveniently equipped with an LED light to indicate when driving.



Battery replaceable

Equipped with a gas spring-type battery, battery replacement and management are easy.



Battery Charging

Auxiliary battery and charging fee for environments requiring 24-hour use (optional).



lithium ion Battery

It is molded into a plastic case equipped with a high-capacity lithium battery developed exclusively for our model, making it safe and convenient to use.



Built-in Charger


Since the charger is built into the car body, the charger can be charged anywhere with a 20V outlet using the included charging cable.



ELECTRIC TOW CART

BT201
ELECTRIC TOW CART



- Traction force (on level ground)
1000KG
- Maximum Speed
4.5Km/h
- Maximum Travel Distance
10Km

PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum traction	1000KG
1.02	Maximum Speed	4.5KM / H
1.03	maximum distance	10KM
1.04	Outer Size	454X890X1240(H)

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 650W
2.02	Battery	24V 20Ah (lithium ion)
2.03	Charger	24V 10A
2.04	Tire	8inch Solid Tire
2.05	Caster	6inch Urethane

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	Solid Tire	Equipped with highly durable solid tires (driving unit)
3.02	Emergency stop button	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Maximum Speed	Maximum Speed Equipped with adjustable volume
3.04	Electric docking	Docking system using electric cylinder
3.05	Foot-trapping prevention	Safety design to prevent foot pinching

BT401
ELECTRIC TOW CART



- Traction force (on level ground)
1000KG
- Maximum Speed
4.5Km/h
- Maximum Travel Distance
10Km

PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum traction	1000KG
1.02	Maximum Speed	4.5KM / H
1.03	maximum distance	10KM
1.04	Outer Size	610×1290×1280(H)

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	24V 20Ah (lithium ion)
2.03	Charger	24V 10A
2.04	Tire	10inch Foam Filled (No puncture)
2.05	Caster	10inch Foam Filled(No puncture)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	FoamFilldTire	Equipped with puncture-resistant tires filled with high-quality urethane foam
3.02	Emergency stop button	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Maximum Speed	Maximum Speed Equipped with adjustable volume
3.04	Docking handle	Easy docking handle-type structure
3.05	Indicator light	Safety LED light that lets you know that you are driving
3.06	Light	Equipped with front light
3.07	Auxiliary seat	Equipped with foldable auxiliary seat for comfortable driving

BL201

1 SINGLE LIFT ELECTRIC
TRANSPORT CART



Maximum loading capacity
500KG



Maximum Speed
4.5Km/h







Maximum Travel Distance
10Km



Top moving height (mm)
400 / 980mm

Stowage box (classified by type and size)

Selection by type

			
Flat type	Door type 250H	Door type 650H	Custom Made

Loading box size

580×1030	custom made
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PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	500KG
1.02	Maximum Speed	4.5KM / H
1.03	maximum distance	10KM
1.04	Loading box size	580×1030 / custom made
1.05	Lift Height	400 to 980
1.06	Loading box type	3 types (Flat type / Door type 250H / Door type 650H) / custom
1.07	Outer Size	630×1380×960H / custom made

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	12V36Ahx2set(Maintenance-free, sealed type Deep Cycle)
2.03	Charger	24V 05A
2.04	Tire	10inchFoamFilled (No puncture)
2.05	Caster	6inchSoftUrethane (Noiseless high-end type)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	FoamFildTire	Equipped with puncture-resistant tires filled with high-quality urethane foam
3.02	Emergency stop button	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Maximum Speed	Maximum Speed Equipped with adjustable volume

Detachable loading frame

It is designed with a frame structure that can be separated from the loading box, so it can be replaced separately if the loading box is damaged in the future.



Built-in Charger

The Charger is built into the car body and is provided together. Charging is possible anywhere there is a 220V outlet using a charging cable.



Caster wheel steering type

Caster that can rotate in place for steering and driving even in narrow areas.



Specifications

High-speed control volume / digital LED battery gauge / emergency stop switch.



Foam-field Tires

Equipped with high-quality foam-field tires that are not too big and have good cushioning.



Auxiliary filing cabinet

Equipped with an auxiliary document box to store items necessary for work, such as papers.



BL301

2 SINGLE LIFT ELECTRIC TRANSPORT CART



Maximum loading capacity
500KG



Top moving height (Min/Max)
4.5Km/h







Maximum Travel Distance
10Km



Top moving height (mm)
460 / 1560mm

Stowage box (classified by type and size)

Selection by type

			
Flat type	Door type 250H	Door type 650H	Custom Made

Loading box size

580×1030	custom made
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PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	500KG
1.02	Maximum Speed	4.5KM / H
1.03	maximum distance	10KM
1.04	Loading box size	580×1030 / custom made
1.05	Lift Height	460 to 1560
1.06	Loading box type	3 types (Flat type / Door type 250H / Door type 650H) / custom
1.07	Outer Size	630×1380×960H / custom made

DATA SHEET

REF.NO	DESCRIPTION	VALUE
2.01	Motor	24V 800W
2.02	Battery	12V36Ahx2set(Maintenance-free, sealed type DeepCycle)
2.03	Charger	24V 05A
2.04	Tire	10inchFoamFilled (No puncture)
2.05	Caster	6inchSoftUrethane(Noiseless high-end type)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	FoamFilldTire	Equipped with puncture-resistant tires filled with
3.02	Emergency stop button	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Maximum Speed	Maximum Speed Equipped with adjustable volume

Detachable loading frame

It is designed with a frame structure that can be separated from the loading box, so it can be replaced separately if the loading box is damaged in the future.



Specifications

High-speed control volume / digital LED battery gauge / emergency stop switch.



Built-in Charger

The Charger is built into the car body and is provided together. Charging is possible anywhere there is a 220V outlet using a charging cable.



Foam-field Tires

Equipped with high-quality foam-field tires that are not too big and have good cushioning.



Caster wheel steering type

Caster that can rotate in place for steering and driving even in narrow areas.



Auxiliary filing cabinet

Equipped with an auxiliary document box to store items necessary for work, such as papers.



BML201

1 SINGLE LIFT WALKING
TRANSPORT CART







Maximum loading capacity
500KG



Top moving height (mm)
325 / 930mm

Stowage box (classified by type and size)

Selection by type

			
Flat type	Door type 250H	Door type 650H	Custom Made

Loading box size

580×1030	custom made
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PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	500KG
1.02	Loading box size	580×1050 / 5custom made
1.03	Lift Height	325 to 930
1.04	Loading box type	3 Types (Flat type / Door type 250H/Door type 650H) / custom made
1.05	Outer Size	580×1315×1165H / custom made

DATA SHEET

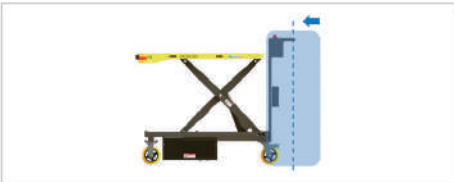
REF.NO	DESCRIPTION	VALUE
2.01	Battery	12V36Ahx2set (Maintenance-free, sealed type Deep Cycle)
2.02	Charger	24V 05A
2.03	Caster	6inchSoftUrethane (Noiseless high-end type)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	2 medium brake	Double brake device that can fix rotation and driving at the same time
3.02	Emergency stop button	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Bumper	Equipped with rubber bumper to reduce impact in case of collision

Detachable loading frame

The battery and power pack are mounted at the bottom, minimizing the size of the car body compared to the table size, resulting in high space utilization.



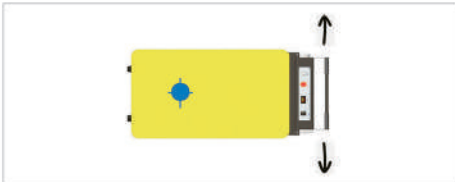
Built-in Charger

Electricity is built into the vehicle, so it can be charged anywhere with a 220V outlet using the included charging cable.



Caster wheel steering type

The center of gravity is designed to be located at the front, allowing for easy steering with light weight.



Specifications

One key switch / digital LED battery gauge / emergency stop switch.



Equipped top to Caster

Equipped with a soft, noiseless caster for high loads rather than hard urethane. Equipped with a multi-type brake that fixes rotation and driving.



Auxiliary filing cabinet

Equipped with an auxiliary document box to store items necessary for work, such as papers.



BML301

2 SINGLE LIFT WALKING
TRANSPORT CART





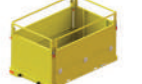

Maximum loading capacity
500KG



Top moving height (mm)
390 / 1500mm

Stowage box (classified by type and size)

Selection by type

			
Flat type	Door type 250H	Door type 650H	Custom Made

Loading box size

580×1030	custom made
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PERFORMANCE

REF.NO	DESCRIPTION	VALUE
1.01	Maximum loading capacity	500KG
1.02	Loading box size	580×1050 / custom made
1.03	Lift Height	390 to 1500
1.04	Loading box type	3 types (Flat type / Door type 250H / Door type 650H) / custom made
1.05	Outer Size	580×1315×1165H / custom made

DATA SHEET

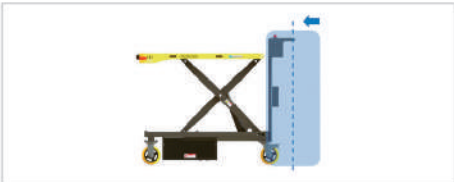
REF.NO	DESCRIPTION	VALUE
2.01	Battery	12V36Ahx2set (Maintenance-free, sealed type Deep Cycle)
2.02	Charger	24V 05A
2.03	Caster	6inchSoftUrethane (Noiseless high-end type)

SAFETY

REF.NO	DESCRIPTION	NOTE
3.01	2 medium brake	Double brake device that can fix rotation and driving at the same time
3.02	Emergency stop button	A switch that can stop the vehicle in case of emergency or malfunction
3.03	Bumper	Equipped with rubber bumper to reduce impact in case of collision

Detachable loading frame

The battery and power pack are mounted at the bottom, minimizing the size of the car body compared to the table size, resulting in high space utilization.



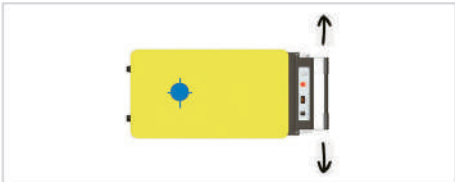
Built-in Charger

Electricity is built into the vehicle, so it can be charged anywhere with a 220V outlet using the included charging cable.



Caster wheel steering type

The center of gravity is designed to be located at the front, allowing for easy steering with light weight.



Specifications

One key switch / digital LED battery gauge / emergency stop switch.



Equipped top to Caster

Equipped with a soft, noiseless caster for high loads rather than hard urethane. Equipped with a multi-type brake that fixes rotation and driving.



Auxiliary filing cabinet

Equipped with an auxiliary document box to store items necessary for work, such as papers.





ONE BOT AND WINNING BOT

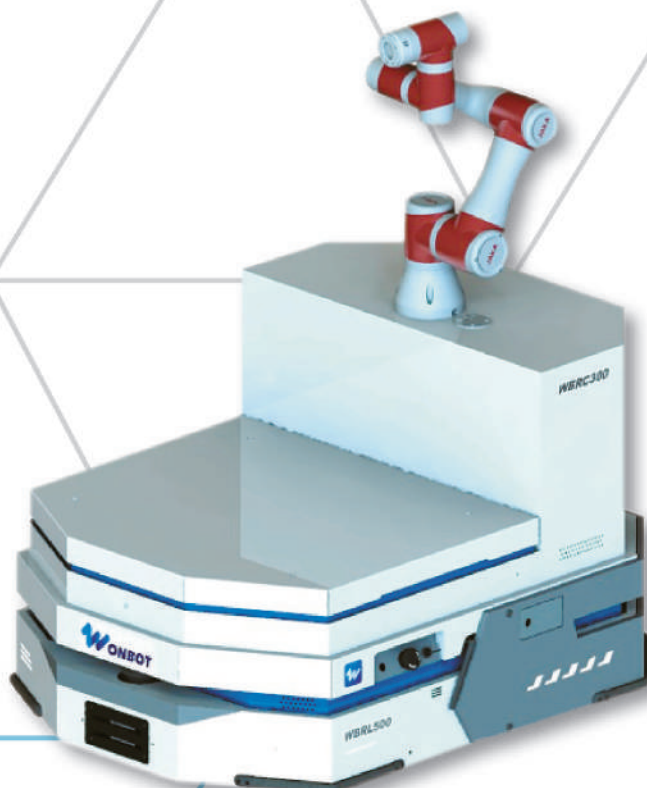


WE CONNECT AMR AND HUMAN

**AMR MANAGEMENT
INTEGRATED MINIMAL MES /
WMS SOLUTIONS**

- Mobile Robots (AMR, AGV)
- Fleet Management System
- Smart Factory Solutions
- Electrical Trolley
- Caster

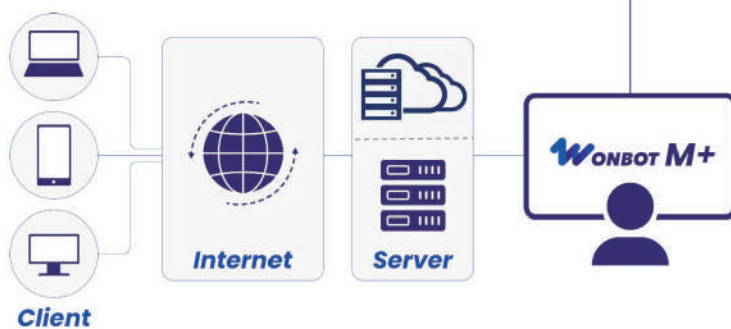
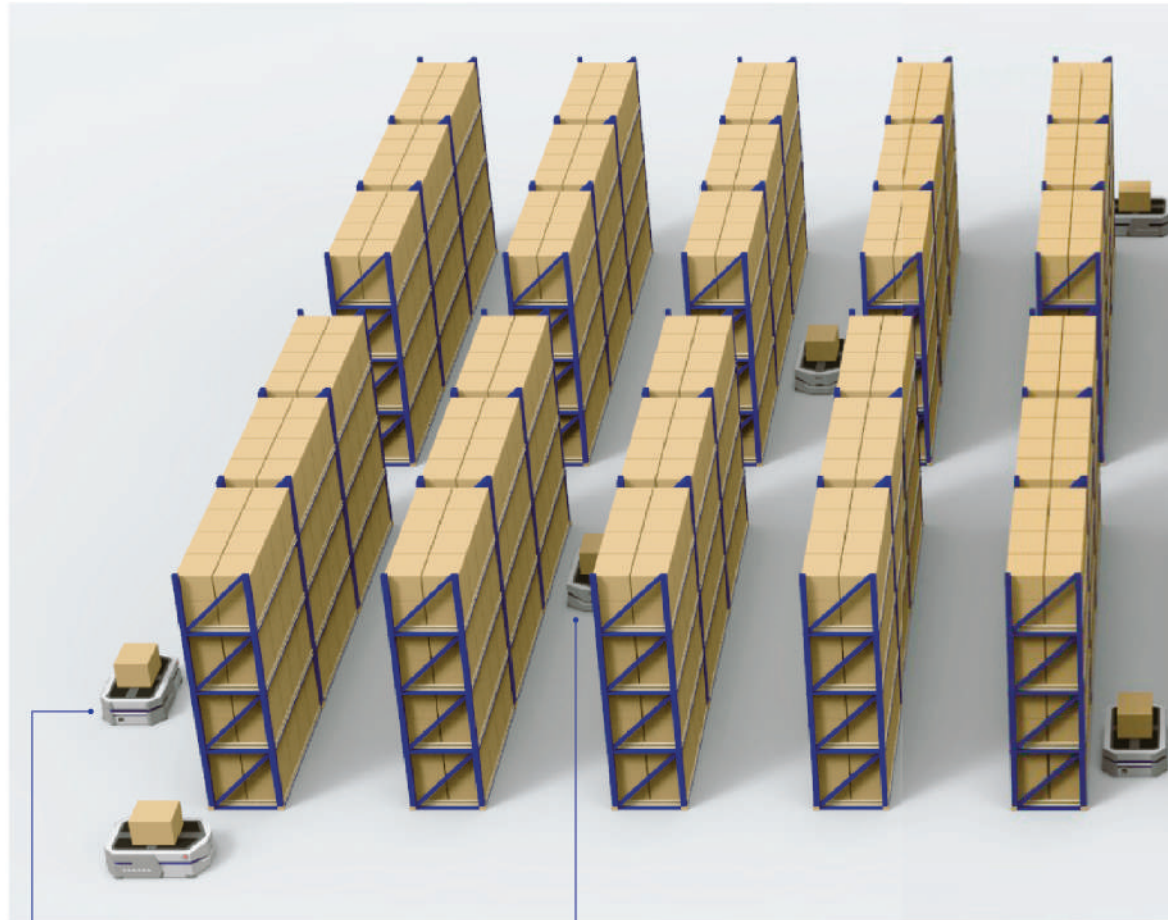




SHINHEE Caster & Mobility



PRODUCT & SOLUTION



WONBOT AMR Laser SLAM Navigation

WONBOT has the features of Map editing, Module Editing, navigation module, Automatic and Manual Charging with Laser Slam navigation and obstacle avoidance with the automatic identification and adjustments of shelves for lifting the pallets.

WONBOT M+ (AMR + MES + WMS Management)

WONBOT M+ is a Web based Software application to monitor and control our WONBOT AMR with minimal Smart Factory solutions as integrated minimal MES and WMS. WONBOT M+ can be hosted both in Cloud or in customers Centralized Server. Using WONBOT M+ Customer can monitor and control WONBOT AMR anywhere and in any place.

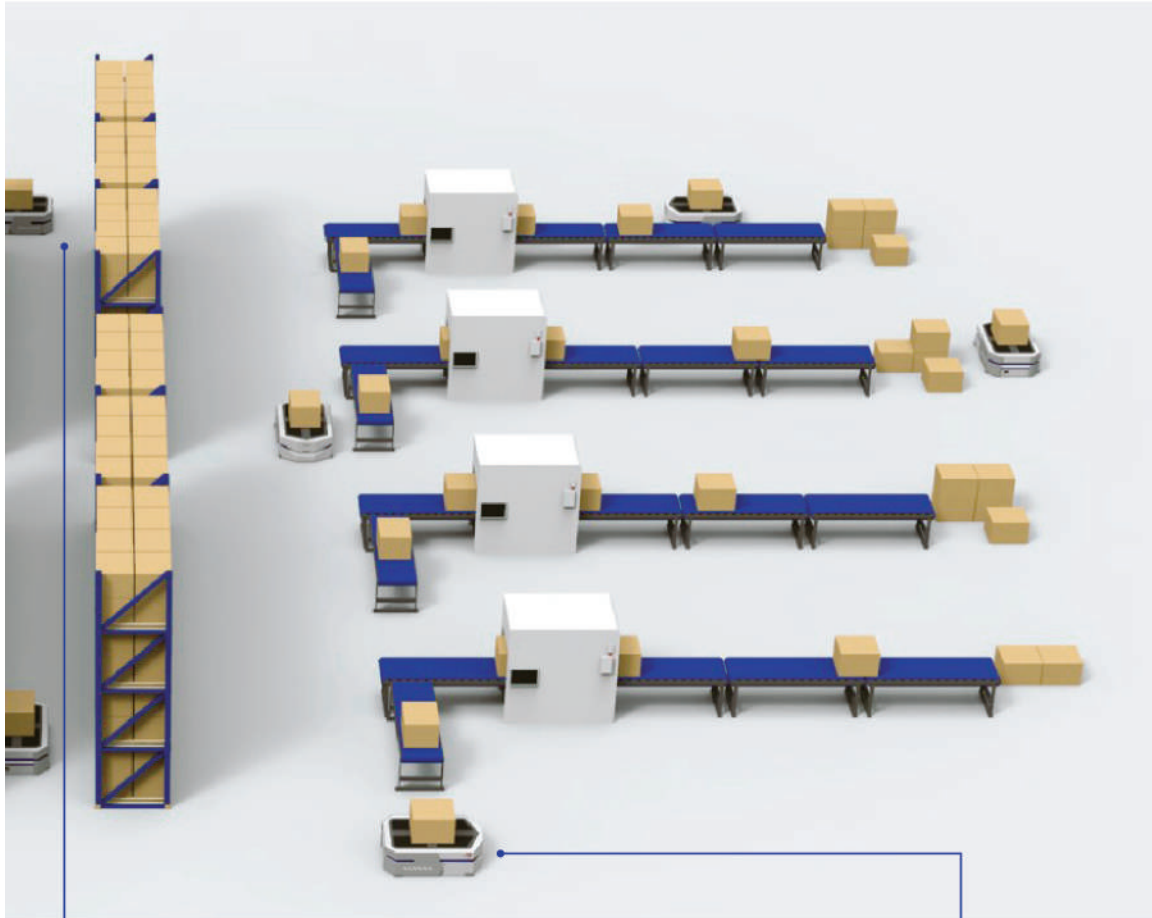




We reduce your workload

We increase your Profit, Productivity and Efficiency

One Platform to Plan, Schedule and Execute all your tasks flawlessly.



Smart Loading and Unloading

WONBOT AMR used for all the Inbound and Outbound Process for carrying all the material incoming to Warehouse, warehouse to production line and production Line to Finished Goods Delivery to customer.

Smart Picking and Putting Process

Smart Picking and Putting process using WONBOT M+ Task planning and Scheduling to match with the workorder to make the fully automated solution which leads to reduce the users work load and increase productivity.





One BOT and Winning BOT

SHINHEE C&M started its first design and manufacturing of Mobile Robots from the SHINHEE C&M high-tech R&D Center and named as the WONBOT.

Presently Manufactured several different functioning AMR. WONBOT WBR200 is our basic and budgeted model which is 200 KG payload capacity. We also has WBR300, WBRL300, WBR500, WBRL500, WBR1T, WBRL1t with Lifting and as non-lifting model .



WONBOT has the features of Map editing, Module Editing, navigation module, Automatic and Manual Charging with Laser Slam navigation and obstacle avoidance with the automatic identification and adjustments of shelves for lifting the pallets.

- **Laser SLAM Navigation**
- **Map and Module Editing**
- **Localization Module**
- **Navigation Module**
- **API Interface for other systems and hardware's.**
- **Obstacle Avoidance Features**
- **200KG,300 KG , 500 KG and 1000 KG with customized models.**



WONBOT Collaborative Robots

We Increase your Profitability and Efficiency

The best part of WONBOT is easy to make user requirement based customization. Its more easy to add any customized layer at the top of our WONBOT AMR.

WBRC300 is Cobot Integrated model.

WBRC300 can be linked with any collaborative arm and gripper to perform simple to complex pick and place.

WBRC300 helps to move the collaborative arm anywhere in your workplace and make all the pick and place operations as well for the material transportations.



Navigation	Laser Slam
Navigation Laser at Front	1 Sick Laser
Obstacle avoidance Laser at Back	1 OLEI Laser
Navigation position accuracy (mm)	±5
Navigation angle accuracy(°)	±0.5
Navigation speed (m/s)	≤1.6
Battery	48V52A lithium battery
Battery Life	8 ~ 12 Hour
Charging Time	Less than 2 Hour
Charging Method	Automatic / Manual
Emergency Stop Button	✓
Indicator Light	✓

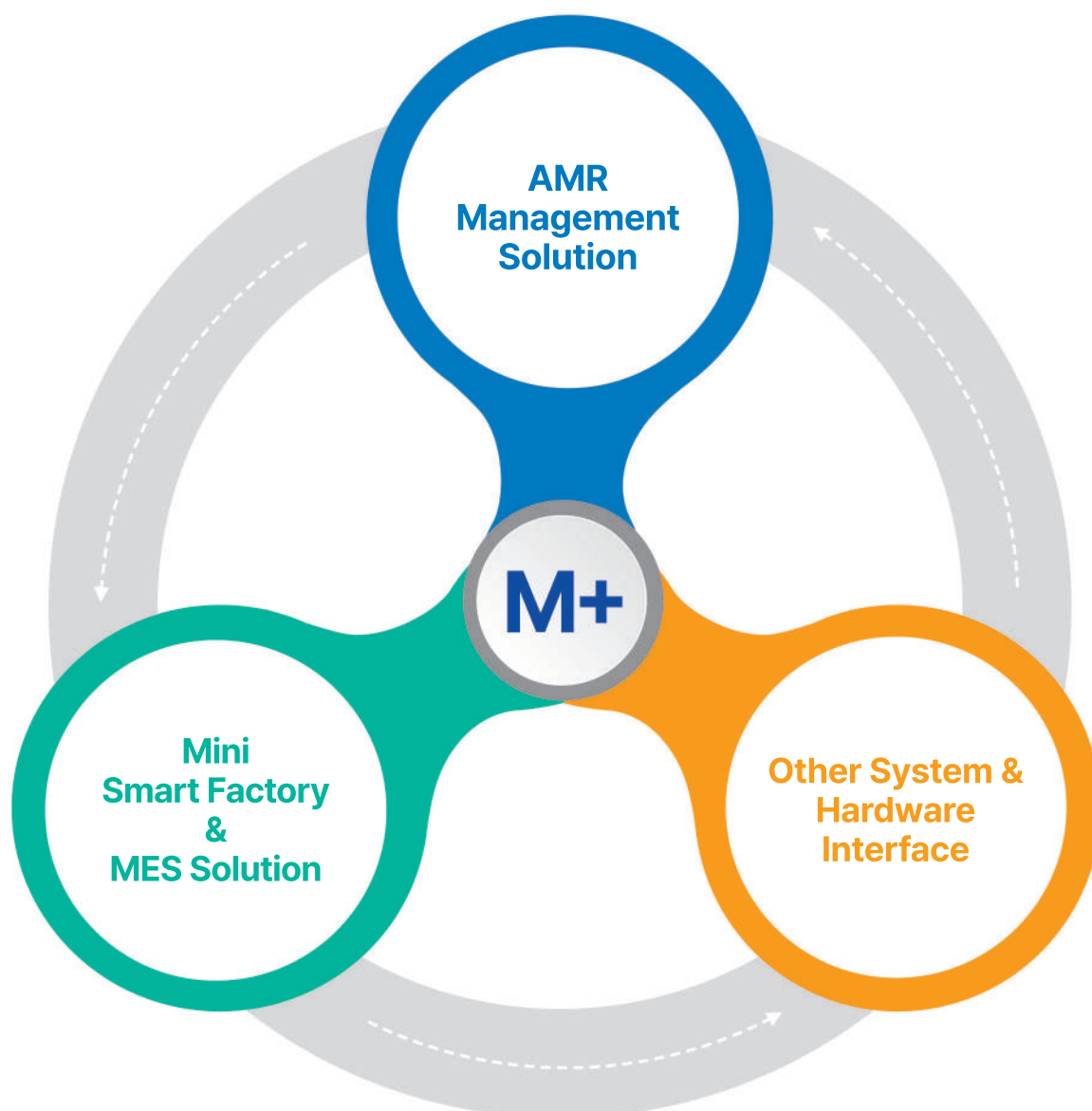


WONBOT M+

We connect AMR and Human

WONBOTM+ is Software Application which has the major functions of AMR Management, integrated minimal MES and Smart factory Management and provides Interface API for communicating to other systems like MES, MOS, ERP and etc.

Using WONBOTM+ Software Application the customer can do the real time monitoring of WONBOT AMR, Traffic Controlling of WONBOT AMR, Work Task ,battery management and AMR Map management. WONBOTM+ is more customer friendly and easy to perform and monitor all the Inbound and Outbound process of the Factory.





WONBOT Hybrid AMR

We Follow You to make your work easy

WONBOT Hybrid AMR has three main features as Follow-Me mode, AMR Mode and AGV mode.

AMR mode uses Laser SLAM navigation with obstacle detection and avoidance features. Easy map building and performing tasks.

Follow-Me mode to follow the persons to carry the goods from one place to the other places at your place. The Follow-Me mode AGV can be used anywhere like in your Factory, Hospital, Logistics and etc. Follow-Me Mode can be used in both indoor and outdoor.

WONBOT AGV Mode is normal AGV mode which used Magnetic tape and RFID tags to travel from one place to another place with customers goods mode follow the magnetic tape for traveling and used obstacle detection lidar for the safety.

- **AMR Mode**
- **Follow-Me Mode**
- **Line Follow Mode**
- **AGV Mode**
- **Forward and Backward Traveling**
- **Obstacle detection and avoidance Lidar**
- **Real time Status LED Lights.**
- **USER - FRIENDLY HMI for easy Operation**
- **Payload range from 200 KG and 500 KG.**





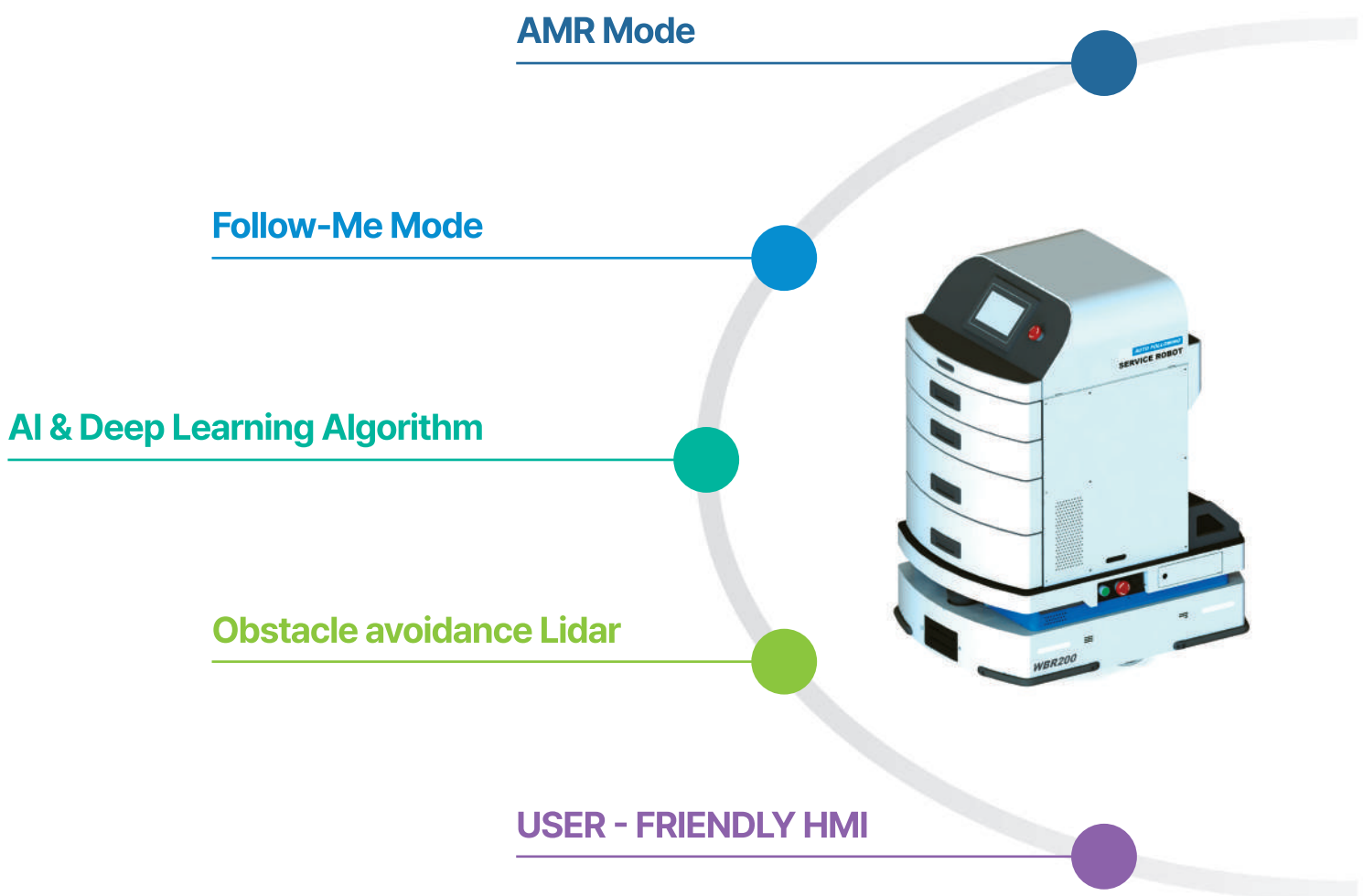
WONBOT Service Robot

We Follow You to make your work easy

Laser SLAM navigation with obstacle detection and avoidance features.
Easy map building and performing tasks.

Follow-Me mode to follow the persons to carry the goods from one place to the other places at your place. The Follow-Me mode AGV can be used anywhere like in your Factory, Hospital, Logistics and etc. Follow-Me Mode can be used in both indoor and in outdoor.

Used AI and Deep learning Algorithm to Follow only one single person and has obstacle detection function as the red color rectangle area is used for it and if any obstacle found on the path in red color triangle area then the robot will stop for the safety reasons.



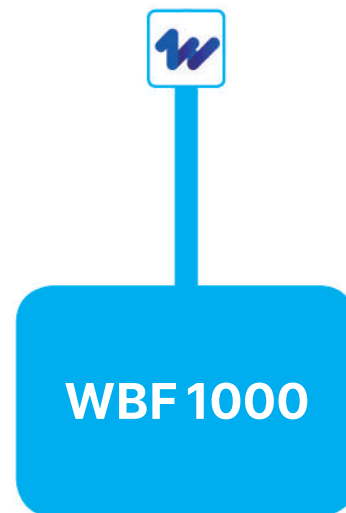
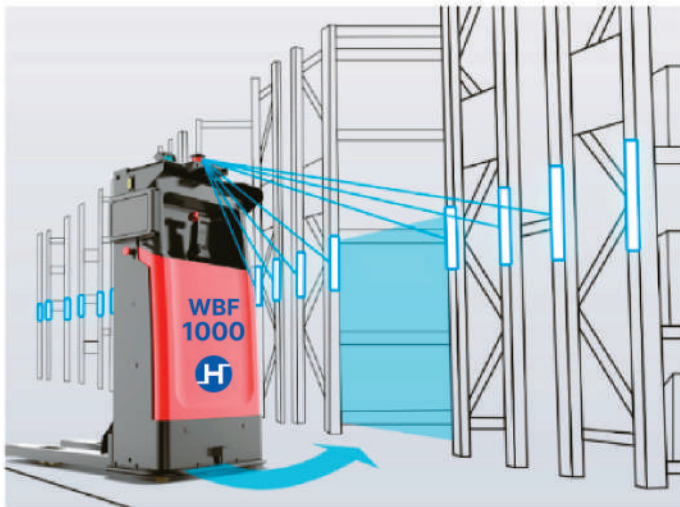


WONBOT Autonomous Forklift

More Autonomous

WONBOT Autonomous Forklift model named as WBH1000 which is 1000 KG payload capacity with the features as Lidar Slam Navigation and Reflector Navigation .

WBH100 Application scenario: Smart logistics, Smart Factory, Warehouse ,pharmaceutical, manufacturing and etc.



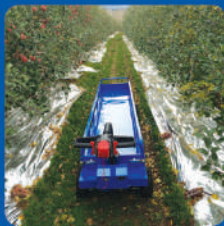
Navigation	Laser Slam / Reflector Navigation
Lifting Height	1025
Battery	24V / 135AH
Battery Life	6~8 Hour
Charging Time	Less than 2 Hour
Charging Method	Automatic / Manual
Obstacle avoidance laser	✓
Fork detection (photoelectricity/ultrasonic)	✓
Mechanical Protection	✓
Pallet Reorganization	✓
Emergency Stop Button	✓
Indicator Light	✓

MEMO.



SHINHEE C&M always ready to serve for the Customers.

Developing joint research projects,
Small quantity special customization, such as collaborative
product development is also possible.
We are always ready to serve for our Customers.



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