

 **HAOSHENG**
HENSEN



AGV

AUTOMATED GUIDED VEHICLE

LOAD CAPACITY: 2T-800T

Load capacity: 2- 5 (T)

Type \ Model		AGV-2	AGV-5
Size of loading table(mm)		2200×1200	2500×1500
Rated loadin capacity(T)		2	5
Max speed (m/min)		40	40
Travel director		transversely/longitudinally/diagonally/spot turn	
Driving method		Dual steering wheels drive	
Drive motor power(kW*Q'ty)		0.75×2	3×2
Power source		Lithium battery	
Tire		polyurethane solid tires	
Dia of wheel	Driving wheel	200	260
	Universal wheel	200	250
Voltage(v)		25.6	51.2
Battery capacity(Ah)		150	150
Charging Method	Manual charging	●	●
	Auto Charging	○	○
Charging time (≤h)		3	3
Navigation Method	Megnetic tape navigation	○	○
	Optical Navigation	○	○
	Laser SLAM Navigation	○	○
	Ourdoor RTK	○	○
Navigation Accuracy(mm)	Magnetic/optical/ Laser SLAM	±10	±10
Positioning Accuracy	RFID Positioning	±30	±30
	Magnetic tape QR code/Laser position	±10	±10
	Ourdoor RTK	\	\
Wireless network	2.4G/5G	○	○
Bumper	Front&Rear bumper	●	●
	Two sides bumper	○	○
Contactless safety device	Front&rear laser obstacle sensor	○	○
Safety sensing range	4m	○	○
	10m	○	○
Emergency stop buttons		●	●
Latent lifting function		○	○
Adaptive Driving System		\	\
Dispatching system		○	○

1. Body size can be customized within a certain range, and the height can be determined after being designed according to the actual requirements.

2. The battery capacity may be fine-tuned according to module upgrading; Driving range for special non-standard requirements shall be customized according to actual conditions.

3. ● Standard configuration ○ Optional × NON

Load capacity: 10 - 40 (T)

Type \ Model		AGV-10	AGV-15	AGV-20	AGV-25	AGV-30	AGV-40
Size of loading table(mm)		3500×1800	3500×2000	3800×2000	3800×2000	4000×2500	4000×2500
Rated loadin capacity(T)		10	15	20	25	30	40
Max speed (m/min)		30	30	30	30	30	30
Travel director		transversely/longitudinally/diagonally/spot turn					
Driving method		Dual differential steering wheels drive					
Drive motor power(kW*Q'ty)		1.5×4	3×4	3×4	3×4	4×4	5×4
Power source		Lithium battery					
Tire		polyurethane solid tires					
Dia of wheel	Driving wheel	260	300	300	300	440	440
	Universal wheel	250	300	300	300	350	440
Voltage(v)		51.2	51.2	51.2	51.2	76.8	76.8
Battery capacity(Ah)		150	230	230	280	205	280
Charging Method	Manual charging	●	●	●	●	●	●
	Auto Charging	○	○	○	○	○	○
Charging time (≤h)		3	2	2	2	2	2
Navigation Method	Megnetic tape navigation	○	○	○	○	○	○
	Optical Navigation	○	○	○	○	○	○
	Laser SLAM Navigation	○	○	○	○	○	○
	Ourdoor RTK	○	○	○	○	○	○
Navigation Accuracy(mm)	Magnetic/optical/Laser SLAM	±10	±10	±10	±10	±10	±10
Positioning Accuracy	RFID Positioning	±30	±30	±30	±30	±30	±30
	Magnetic tape QR code/Laser position	±10	±10	±10	±10	±10	±10
	Ourdoor RTK	±25	±25	±25	±25	±25	±25
Wireless network	2.4G/5G	○	○	○	○	○	○
Bumper	Front&Rear bumper	●	●	●	●	●	●
	Two sides bumper	○	○	○	○	○	○
Contactless safety device	Front&rear laser obstacle sensor	○	○	○	○	○	○
Safety sensing range	4m	○	○	○	○	○	○
	10m	○	○	○	○	○	○
Emergency stop buttons		●	●	●	●	●	●
Latent lifting function		○	○	○	○	○	○
Adaptive Driving System		\	○	○	○	○	○
Dispatching system		○	○	○	○	○	○

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3. ● Standard configuration ○ Optional ✕ NON

Load capacity: 50 - 200 (T)

Type \ Model		AGV-50	AGV-60	AGV-80	AGV-100	AGV-150	AGV-200
Size of loading table(mm)		5500×2500	6000×2800	6500×3000	7000×3100	7000×3200	8000×3200
Rated loadin capacity(T)		50	60	80	100	150	200
Max speed (m/min)		30	30	25	25	25	20
Travel director		transversely/longitudinally/diagonally/spot turn					
Driving method		3 differential steering wheels drive	4 differential steering wheels drive	4 differential steering wheels drive	4 differential steering wheels drive	6 differential steering wheels drive	6 differential steering wheels drive
Drive motor power(kW*Q'ty)		4×8	4×8	4×8	5×8	4×12	5×12
Power source		Lithium battery					
Tire		polyurethane solid tires					
Dia of wheel	Driving wheel	440	440	500	500	500	500
	Universal wheel	\	\	\	\	\	\
Voltage(v)		76.8	76.8	83.2	83.2	83.2	83.2
Battery capacity(Ah)		300	350	450	540	540	540
Charging Method	Manual charging	●	●	●	●	●	●
	Auto Charging	○	○	○	○	○	○
Charging time (≤h)		2	2.5	3	3.5	3.5	3.5
Navigation Method	Megnetic tape navigation	○	○	○	○	○	○
	Optical Navigation	○	○	○	○	○	○
	Laser SLAM Navigation	○	○	○	○	○	○
	Ourdoor RTK	○	○	○	○	○	○
Navigation Accuracy(mm)	Magnetic/optical/Laser SLAM	±10	±10	±10	±10	±10	±10
Positioning Accuracy	RFID Positioning	±30	±30	±30	±30	±30	±30
	Magnetic tape QR code/Laser position	±10	±10	±10	±10	±10	±10
	Ourdoor RTK	±25	±25	±25	±25	±25	±25
Wireless network	2.4G/5G	○	○	○	○	○	○
Bumper	Front&Rear bumper	●	●	●	●	●	●
	Two sides bumper	○	○	○	○	○	○
Contactless safety device	Front&rear laser obstacle sensor	○	○	○	○	○	○
Safety sensing range	4m	○	○	○	○	○	○
	10m	○	○	○	○	○	○
Emergency stop buttons		●	●	●	●	●	●
Latent lifting function		○	○	○	○	○	○
Adaptive Driving System		○	○	○	○	○	○
Dispatching system		○	○	○	○	○	○

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3. ● Standard configuration ○ Optional × NON

Load capacity: 300 - 800 (T)

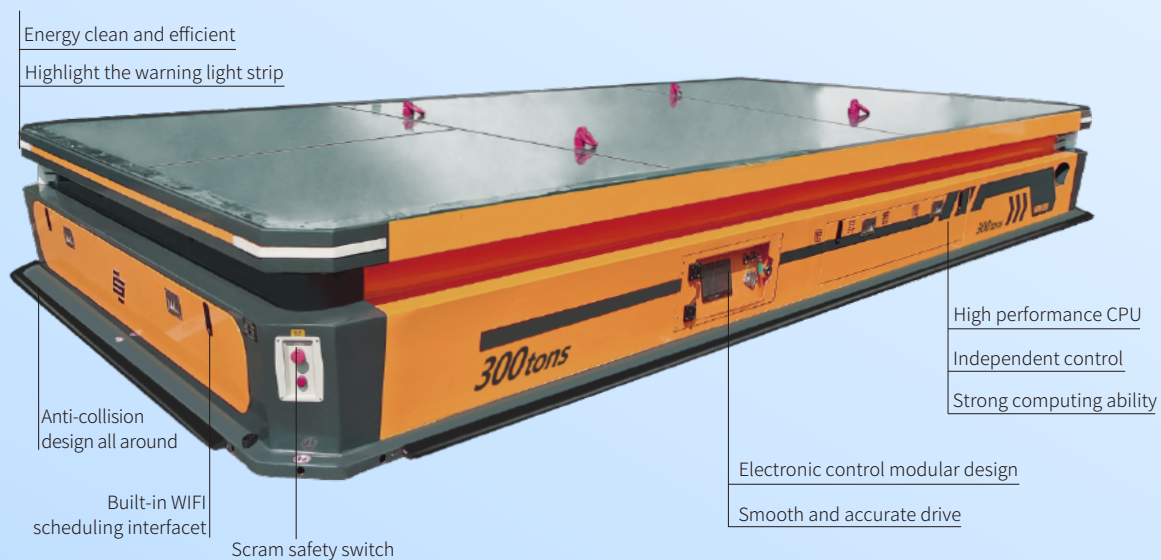
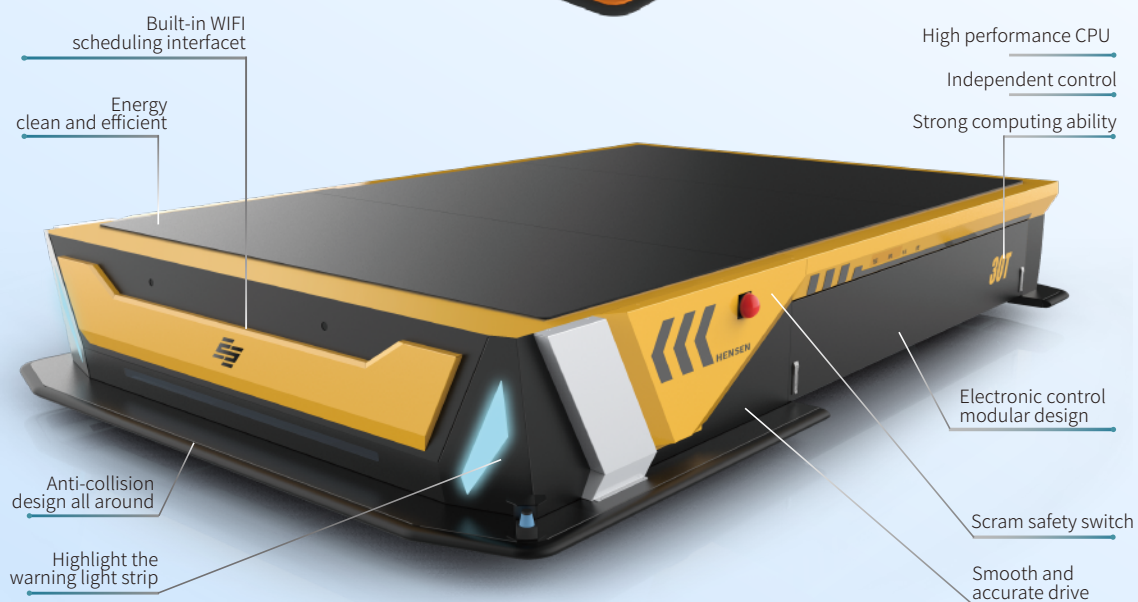
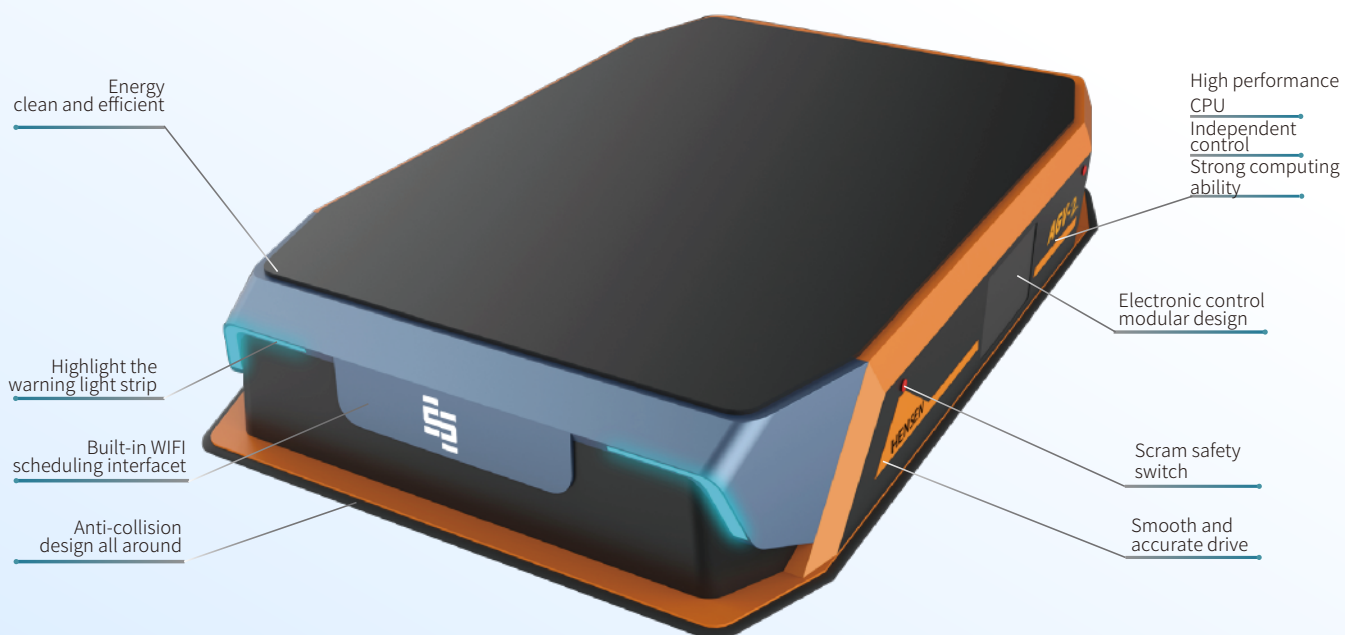
Type \ Model		AGV-300	AGV-400	AGV-500	AGV-600	AGV-800
Size of loading table(mm)		13000×3200	16000×3200	18000×3200	13000×6400	16000×6400
Rated loadin capacity(T)		300	400	500	600	800
Max speed (m/min)		20	20	20	20	20
Travel director		transversely/longitudinally/diagonally/spot turn				
Driving method						
Drive motor power(kW*Q'ty)		5×16	4×20	4×28	4×32	4×40
Power source						
Tire		polyurethane solid tires				
Dia of wheel	Driving wheel	500	500	500	500	500
	Universal wheel	\	\	\	\	\
Voltage(v)		144	310	310	540	540
Battery capacity(Ah)		820	690	920	820	920
Charging Method	Manual charging	●	●	●	●	●
	Auto Charging	○	○	○	○	○
Charging time (≤h)		4	4	4.5	4	4.5
Navigation Method	Megnetic tape navigation	○	○	○	○	○
	Optical Navigation	○	○	○	○	○
	Laser SLAM Navigation	○	○	○	○	○
	Ourdoor RTK	○	○	○	○	○
Navigation Accuracy(mm)	Magnetic/optical/Laser SLAM	±10	±10	±10	±10	±10
Positioning Accuracy	RFID Positioning	±30	±30	±30	±30	±30
	Magnetic tape QR code/Laser position	±15	±15	±15	±15	±15
	Ourdoor RTK	±25	±25	±25	±25	±25
Wireless network	2.4G/5G	○	○	○	○	○
Bumper	Front&Rear bumper	●	●	●	●	●
	Two sides bumper	○	○	○	○	○
Contactless safety device	Front&rear laser obstacle sensor	○	○	○	○	○
Safety sensing range	4m	○	○	○	○	○
	10m	○	○	○	○	○
Emergency stop buttons		●	●	●	●	●
Latent lifting function		○	○	○	○	○
Adaptive Driving System		●	●	●	●	●
Dispatching system		○	○	○	○	○

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Load capacity: 2 - 800 (T)



OUR ADVANTAGES

- MULTIPLE DRIVING MODELS: 3 types driving wheel for differential load capacity.
- MULTI-DIRECTIONAL DIRVING: lateral (sideways), longitudinal (forward/backward), and crab walking (diagonal)
- AUTO DOUBLE OR MULTI-VEHICLE SYNCHRONOUS, two short AGV also could transport the long stripe material.
- AUTO NAVIGATION SYSTEM: 4 kinds type navigation for different sites and workshop condition.
- AUTOMATIC LIFTING PLATFORM: an automatic lifting device can be installed on the platform to further enhance functionality.



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