

 **HAOSHENG**  
 **HENSEN**



**RGV**

**RAIL GUIDED VEHICLE**  
automated rail flat car

**LOAD CAPACITY: 5T-500T**

# Load capacity: 5 - 15 (T)

Type	Model	RGV-5	RGV-10	RGV-15
Size of loading table(mm)		3000×1800	3200×2000	3500×2000
Rated loadin capacity(T)		5	10	15
Max speed (m/min)		40	40	40
Drive motor power(kW*Q'ty)		1.5×1	2.2×1	2.2×1
Power source		LFP Battery		
Dia. of wheel		φ250×4	φ350×4	φ350×4
Voltage(v)		25.6	51.2	51.2
Battery capacity (Ah)		150	150	150
Charging Method	Manual charging	●	●	●
	Auto charging	○	○	○
Charging time (≤h)		3	3	3
Positioning Accuracy(mm)	RFID Positioning	±30	±30	±30
	approach switch	±10	±10	±10
	Magnetic tape QR code/Laser position	±5	±5	±5
Wireless network	2.4G/5G	○	○	○
Bumper	Front/Rear/Sides /bumper	○	○	○
Contactless Safety device	Infrared sensor	○	○	○
	Front&rear laser obstacle senser	○	○	○
Safety sensing range	1m Infrared sensor	○	○	○
	4m	○	○	○
	10m	○	○	○
Emergency stop buttons		●	●	●
Power optional	LEP Battery	●	●	●
	Low voltage track	○	○	○
	Slide wire	○	○	○
	Dragged cable	○	○	○
Function Optional	Latent lifting	○	○	○
	Roller table	○	○	○
	Track exchange	○	○	○
	Combined shuttle	○	○	○
	Transmission chain table	○	○	○
	Turnable table	○	○	○
	Forklift RGV	○	○	○

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: 20 - 40 (T)

Type	Model	RGV-20	RGV-25	RGV-30	RGV-40
Size of loading table(mm)		3500×2200	3800×2200	3800×2200	4200×2200
Rated loadin capacity(T)		20	25	30	40
Max speed (m/min)		40	40	40	40
Drive motor power(kW*Q'ty)		3×1	3×1	4×1	4×1
Power source		LFP Battery			
Dia. of wheel		φ420×4	φ420×4	φ420×4	φ420×4
Voltage(v)		51.2	51.2	51.2	51.2
Battery capacity (Ah)		150	150	150	150
Charging Method	Manual charging	●	●	●	●
	Auto charging	○	○	○	○
Charging time (≤h)		3	3	3	3
Positioning Accuracy(mm)	RFID Positioning	±30	±30	±30	±30
	approach switch	±10	±10	±10	±10
	Magnetic tape QR code/Laser position	±5	±5	±5	±5
Wireless network	2.4G/5G	○	○	○	○
Bumper	Front/Rear/Sides /bumper	○	○	○	○
Contactless Safety device	Infrared sensor	○	○	○	○
	Front&rear laser obstacle senser	○	○	○	○
Safety sensing range	1m Infrared sensor	○	○	○	○
	4m	○	○	○	○
	10m	○	○	○	○
Emergency stop buttons		●	●	●	●
Power optional	LEP Battery	●	●	●	●
	Low voltage track	○	○	○	○
	Slide wire	○	○	○	○
	Dragged cable	○	○	○	○
Function Optional	Latent lifting	○	○	○	○
	Roller table	○	○	○	○
	Track exchange	○	○	○	○
	Combined shuttle	○	○	○	○
	Transmission chain table	○	○	○	○
	Turnable table	○	○	○	○
	Forklift RGV	○	○	○	○

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3. ● Standard configuration   ○ Optional   ✗ NON

# Load capacity: 50 - 80 (T)

Type	Model	RGV-50	RGV-60	RGV-80
Size of loading table(mm)		5000×2400	5000×2400	5500×2400
Rated loadin capacity(T)		50	60	80
Max speed (m/min)		30	30	30
Drive motor power(kW*Q'ty)		6.6×1	6.6×1	8×1
Power source		LFP Battery		
Dia. of wheel		Φ420×4	Φ420×4	Φ420×4
Voltage(v)		51.2	51.2	76.8
Battery capacity (Ah)		150	150	150
Charging Method	Manual charging	●	●	●
	Auto charging	○	○	○
Charging time (≤h)		3	3	3
Positioning Accuracy(mm)	RFID Positioning	±30	±30	±30
	approach switch	±10	±10	±10
	Magnetic tape QR code/Laser position	±5	±5	±5
Wireless network	2.4G/5G	○	○	○
Bumper	Front/Rear/Sides /bumper	○	○	○
Contactless Safety device	Infrared sensor	○	○	○
	Front&rear laser obstacle senser	○	○	○
Safety sensing range	1m Infrared sensor	○	○	○
	4m	○	○	○
	10m	○	○	○
Emergency stop buttons		●	●	●
Power optional	LEP Battery	●	●	●
	Low voltage track	○	○	○
	Slide wire	○	○	○
	Dragged cable	○	○	○
Function Optional	Latent lifting	○	○	○
	Roller table	○	○	○
	Track exchange	○	○	○
	Combined shuttle	○	○	○
	Transmission chain table	○	○	○
	Turnable table	○	○	○
	Forklift RGV	○	○	○

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3. ● Standard configuration ○ Optional × NON

# Load capacity: 100 - 500 (T)

Type	Model	RGV-100	RGV-120	RGV-160	RGV-200	RGV-300	RGV-500
Size of loading table(mm)		5500×2400	6000×2400	6500×2600	7000×2800	10000×3200	12000×3500
Rated loadin capacity(T)		100	120	160	200	300	500
Max speed (m/min)		25	25	20	20	20	20
Drive motor power(kW*Q'ty)		8×1	10×1	8×2	8×2	5.5×4	7.5×5
Power source		LFP Battery					
Dia. of wheel		φ460×4	φ460×4	φ420×6	φ360×10	φ360×20	φ420×24
Voltage(v)		76.8	76.8	76.8	76.8	83.2	83.2
Battery capacity (Ah)		150	205	270	300	300	300
Charging Method	Manual charging	●	●	●	●	●	●
	Auto charging	○	○	○	○	○	○
Charging time (≤h)		3	2	3	3	3	4
Positioning Accuracy(mm)	RFID Positioning	±30	±30	±30	±30	±30	±30
	approach switch	±10	±10	±10	±10	±10	±10
	Magnetic tape QR code/Laser position	±5	±5	±5	±5	±5	±5
Wireless network	2.4G/5G	○	○	○	○	○	○
Bumper	Front/Rear/Sides /bumper	○	○	○	○	○	○
Contactless Safety device	Infrared sensor	○	○	○	○	○	○
	Front&rear laser obstacle senser	○	○	○	○	○	○
Safety sensing range	1m Infrared sensor	○	○	○	○	○	○
	4m	○	○	○	○	○	○
	10m	○	○	○	○	○	○
Emergency stop buttons		●	●	●	●	●	●
Power optional	LEP Battery	●	●	●	●	●	●
	Low voltage track	○	○	○	○	○	○
	Slide wire	○	○	○	○	○	○
	Dragged cable	○	○	○	○	○	○
Function Optional	Latent lifting	○	○	○	○	○	○
	Roller table	○	○	○	○	○	○
	Track exchange	○	○	○	○	○	○
	Combined shuttle	○	○	○	○	○	○
	Transmission chain table	○	＼	＼	＼	＼	＼
	Turnable table	○	○	○	○	○	○
	Forklift RGV	＼	＼	＼	＼	＼	＼

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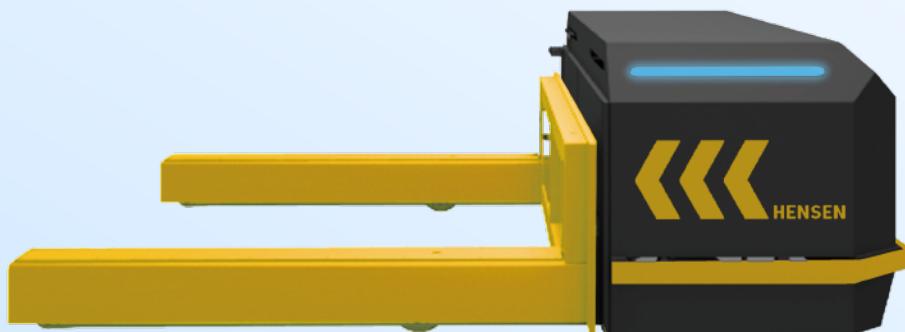
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3. ● Standard configuration ○ Optional × NON

## Load capacity: 5 - 500 (T)



Roller type RGV



Straddle type RGV



Turntable table RGV

# OUR ADVANTAGES

- Suitable for industrial (heavy) production workshop production line of the workpiece transfer.
- Various controller types, support PLC, microcontroller, industrial computer and so on.
- 7 inch industrial display, which can be used for operation and fault information display and parameter setting.
- Support automatic station function, improve production efficiency, reduce labor costs.
- Equipped with laser obstacle avoidance radar to ensure the safety of the transfer process.
- Rf identification positioning accuracy is high, flexible layout of stations.
- Support automatic charging function, 24 hours continuous operation.
- With the workpiece rotating platform, the workpiece can be rotated without crane hoisting.
- Support MES remote system docking; Automatic station transfer according to dispatching system instruction; Real-time interaction with workshop material information; At the same time, it can cooperate with other mechanical arms, robots and other equipment in the production line to achieve full unmanned production operations.



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