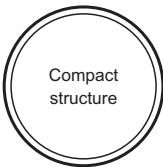
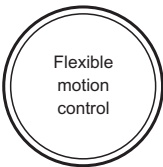




GBL 1.5t Bidirectional Latent Paper Roll Outbound Robot can automatically move underneath materials and transport them to designated storage positions. With bidirectional movement, it enables intelligent material distribution. Paper roll outbound robot operates with high stability, accuracy, and flexibility - capable of forward, backward, turning, and branch-path movement, with a maximum load capacity of 1500 kg. It adopts a hybrid navigation system combining QR code and inertial guidance, ensuring precise positioning, flexible application, and real-time route planning and adjustment. Its advanced scheduling algorithm guarantees stable performance and comprehensive functionality.



Compact structure



Flexible motion control



Multi-AGV intelligent coordination



Minimalist human-machine interaction



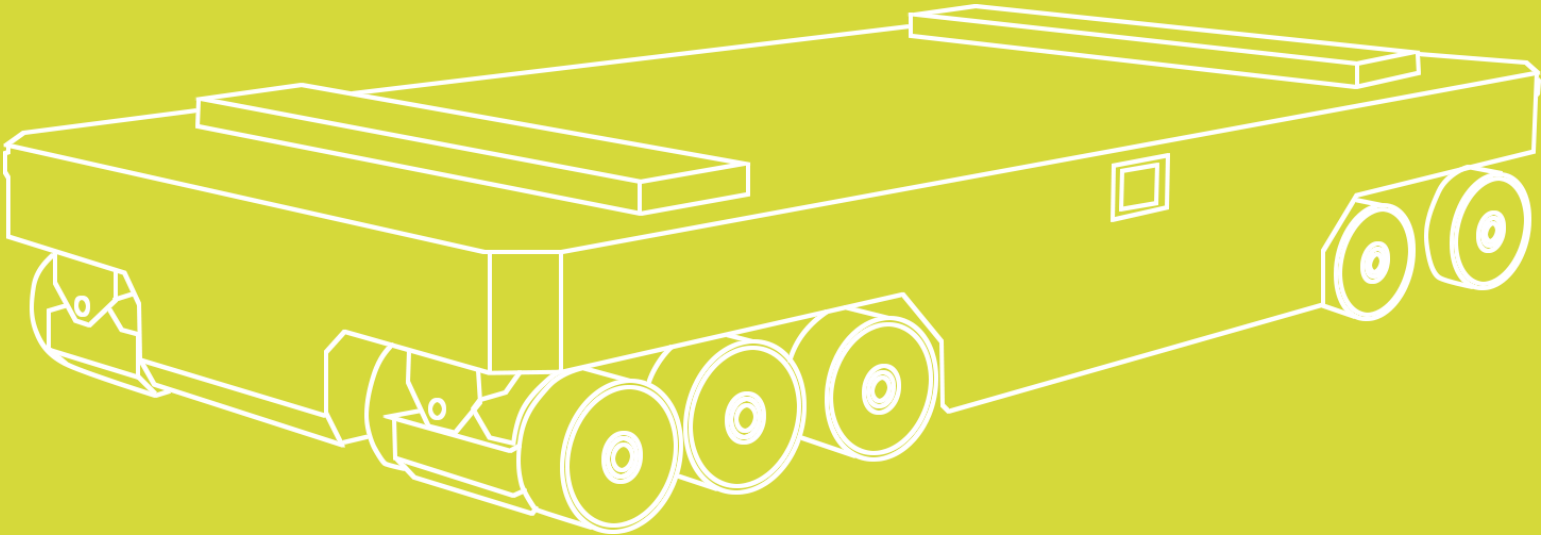
Multiple safety protections



Technical specifications

GBL 1.5t Bidirectional Latent Paper Roll Outbound Robot		
Basic parameters	Dimensions L*W*H (mm)	1070*850*280
	Turning radius (mm)	560
	Net weight (kg)	320
	Rated load (kg)	1500
	Lifting height (mm)	60
	Obstacle height (mm)	5
	Obstacle width (mm)	10
	Gradeability(%)	≥5
	Motion mode	Forward, backward, in-place rotation
	Navigation mode	QR code + Inertial navigation
	Noise level	≤75dB
	Communication mode	WIFI, 5G (optional)
Safety protection	Charging mode	Automatic + Manual
	Active obstacle avoidance	Front laser detection
	Audio-visual alarm	Light
	Bumper detection	Pneumatic bumpers on all sides
Motion performance	Emergency stop	Front and rear emergency stop buttons
	Positioning accuracy (mm)	< ±5
	Angular accuracy (°)	< ±1
	Rated speed (no load) (mm/s)	1200
Battery performance	Rated speed (full load) (mm/s)	1000
	Battery type	LiFePO ₄
	Rated voltage (V)	48
	Capacity (Ah)	40
	Operating time (h)	8
	Charging time (h)	≤2 hours after full discharge

**Specifications are subject to change without notice. Please contact us for details.*



PAPER ROLL
OUTBOUND
ROBOT

The paper roll outbound robot provided by GBCRANES adopt advanced LiDAR-based natural navigation technology. By intelligently recognizing the environment, they achieve precise positioning and autonomous path planning. Their strong environmental adaptability ensures stable operation under high and low temperatures as well as in complex weather conditions, allowing them to perform reliably even in outdoor environments with seasonal changes. With a maximum load capacity of up to 10 tons across three standard models, these paper roll outbound robot offer a safe, precise, and efficient unmanned handling solution for paper rolls - significantly improving production efficiency and reducing operational costs.



GBH 3t Heavy-Duty Paper Roll Outbound Robot provides a single-vehicle load capacity of 3 tons. It supports in-place rotation and lateral movement, making it ideal for transporting large-sized paper rolls. It can operate on asphalt, self-leveling, and concrete floors, showing strong adaptability to various ground conditions. Equipped with a self-lifting mechanism, the Paper Roll Outbound Robots can directly carry workpieces or move underneath a rack, lift it, and indirectly transport the load. It adopts a hybrid navigation system combining PGV and QR code for fully automated operation, while also supporting remote control when needed.

Efficient transportation

High load capacity

Multiple operation modes

Minimalist human-machine interaction

Multiple safety protections



GBH 10t Heavy-Duty Paper Roll Outbound Robot provides a single-vehicle load capacity of 10 tons. It supports in-place rotation and lateral movement, making it ideal for transporting large-sized and heavy paper rolls. It can operate on asphalt, self-leveling, and concrete floors, offering excellent adaptability to various ground conditions. Equipped with a self-lifting mechanism, the Paper Roll Outbound Robots can directly carry workpieces or move underneath a rack, lift it, and indirectly transport the load. It adopts a hybrid navigation system combining PGV and QR code for fully automated operation, while also supporting remote control when needed

High load capacity

Multiple operation modes

Multi-AGV intelligent coordination

Minimalist human-machine interaction

Multiple safety protections

Technical specifications

GBH 3t Heavy-Duty Paper Roll Outbound Robot		
Basic parameters	Dimensions L*W*H (mm)	2100*1800*590
	Turning radius (mm)	1025
	Net weight (kg)	1500
	Rated load (kg)	3000
	Lifting height (mm)	120
	Obstacle height (mm)	5
	Obstacle width (mm)	10
	Gradeability(%)	≥5
	Motion mode	Forward, backward, in-place rotation, lateral movement
	Navigation mode	PGV + QR code
Safety protection	Noise level	≤75dB
	Communication mode	WIFI, 5G (optional)
	Charging mode	Automatic + Manual
	Active obstacle avoidance	Front, rear, left, and right laser obstacle detection
Motion performance	Audio-visual alarm	Light
	Bumper detection	Pneumatic bumpers (front and rear)
	Emergency stop	Emergency stop buttons at front-left/right and rear-left/right
	Positioning accuracy (mm)	< ±5
Battery performance	Angular accuracy (°)	< ±1
	Rated speed (no load) (mm/s)	1000
	Rated speed (full load) (mm/s)	800
	Battery type	LiFePO ₄
	Rated voltage (V)	48
	Capacity (Ah)	120
	Operating time (h)	8
	Charging time (h)	≤2 hours after full discharge

**Specifications are subject to change without notice. Please contact us for details.*

Technical specifications

GBH 10t Heavy-Duty Paper Roll Outbound Robot		
Basic parameters	Dimensions L*W*H (mm)	4000*2000*650
	Turning radius (mm)	2200
	Net weight (kg)	2800
	Rated load (kg)	10000
	Lifting height (mm)	120
	Obstacle height (mm)	5
	Obstacle width (mm)	10
	Gradeability(%)	≥5
	Motion mode	Forward, backward, in-place rotation, lateral movement
	Navigation mode	PGV + QR code
Safety protection	Noise level	≤75dB
	Communication mode	WIFI, 5G (optional)
	Charging mode	Automatic + Manual
	Active obstacle avoidance	Front, rear, left, and right laser obstacle detection
Motion performance	Audio-visual alarm	Light
	Bumper detection	Pneumatic bumpers (front and rear)
	Emergency stop	Emergency stop buttons at front-left/right and rear-left/right
	Positioning accuracy (mm)	< ±5
Battery performance	Angular accuracy (°)	< ±1
	Rated speed (no load) (mm/s)	700
	Rated speed (full load) (mm/s)	700
	Battery type	LiFePO ₄
	Rated voltage (V)	48
	Capacity (Ah)	200
	Operating time (h)	8
	Charging time (h)	≤2 hours after full discharge

**Specifications are subject to change without notice. Please contact us for details.*