



工业搬运解决方案

Remarkable Industrial Handling solutions



河南睿迈科智能科技有限公司
HENAN REMARKABLE INTELLIGENT TECHNOLOGY CO., LTD.

CORPORATE CULTURE 企业文化

愿景

专注搬运 行稳致远

Concentrating on carrying, go more stable and farther.

使命

睿迈科智能，让搬运更轻松

Remarkable, make carrying easier.

价值观

诚信，专业，创新，高效

Honest, Professional, Innovative, Efficient.

服务理念

满足客户需求是我们的神圣使命

It is our sacred mission to meet customers' requirements.

质量理念

以品质赢得市场

To win the market with quality.

安全理念

品质第一，预防为主

Quality first, prevention first.





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睿迈科提供所有行业的物料搬运解决方案，
以及各种应用材料运输方案

REMARKABLE provides solutions for all types of industries and
applications material transport.

What Remarkable Do

公司简介

河南睿迈科智能科技有限公司，是一家集研发、设计、制造、销售、售后服务为一体的专业搬运设备公司。专业生产各类型号、吨位搬运设备及搬运设备配件，提供专业的各种非标、智能化电动平车、RGV自动化轨道搬运车，舵轮全向移动无轨车，AGV搬运机器人的研发、设计、制造。

产品符合 JB/T6127-2010 机械行业标准，智能化程度高，具有结构紧凑、外形美观、自动化、定位准确、运行平稳、爬坡能力强、行驶距离远、安全环保、操作简单、易维护等优势，适用于各种环境的运输。根据客户现场实际使用情况非标定制化设计，智能化程度高，助力客户生产系统智能产业升级，节省人力、并可替代工人进入危险、危废环境实施作业，提高生产效率。

公司产品通过了ISO19001质量体系,GB/T24001环境管理体系认证,GB/T45001职业健康体系认证，CE 认证，前后取得19项国家产品专利证书。

公司常年与沈阳理工大学、南京航空航天大学、燕山大学合作，服务于中国科学院、航天一院、航天四院、金智院、中核集团、宝钢集团等多家知名客户,出口欧美、东南亚等三十多个国家和地区。

公司秉承“诚信、专业、创新、高效”的核心价值观，以非标智能化研发设计开拓市场，满足用户需求。公司始终坚持“质量第一、信誉至上”的原则，以“满足客户需求是我们的神圣使命”为公司经营服务理念，为客户“量身定制”产品并提供“一对一”全方位优质服务。公司将不断开拓创新，精工制造产品，打造一个创新、服务型企业，为用户提供最满意的服务。

Henan Remarkable Intelligent Technology Co., Ltd. is a professional material handling equipment company integrating R & D, design, manufacturing, sales and after-sales service. We specialize in the production of various types and tonnage of handling equipment and accessories, and provide professional research and development, design, and manufacturing of non-standard and intelligent electric transfer carts, RGV automated rail transfer cart, omnidirectional mobile trackless transport carts, and AGV handling robots.

The product complies with JB/T6127-2010 mechanical industry standards. It has the advantages of high intelligence, compact structure, beautiful appearance, automation, accurate positioning, stable operation, strong climbing ability, long driving distance, safety and environmental protection, simple operation, and easy maintenance. Suitable for transportation in various environments. We design based on the actual usage of the customer's site, assist in the intelligent industrial upgrading of the customer's production system, save manpower, and replace workers in hazardous and waste environments to implement operations, improving production efficiency.

We have ISO19001 quality system certification, GB/T24001 environmental management system certification, GB/T45001 occupational health system certification, CE certification, and have obtained 19 national product patent certificates.

Our company has been cooperating with Shenyang University of Technology, Nanjing University of Aeronautics and Astronautics, and Yanshan University. We serve many well-known customers such as the Chinese Academy of Sciences, the First Academy of Aerospace, the Fourth Academy of Aerospace, Jinzhi Academy, China Nuclear Corporation, Baosteel Group, etc. And exported to over 30 countries and regions such as Europe, America, and Southeast Asia.

Remarkable adheres to the core values of "integrity, professionalism, innovation and efficiency", and develops the market with non-standard intelligent R&D and design to meet user needs. Our company always adheres to the principle of "quality first, reputation first", takes "meeting customer needs is our sacred mission" as the company's business service philosophy, "customized" products for customers and provides "one-to-one" all-round quality services. Our company will continue to explore and innovate, precision manufacturing products, to create an innovative, service-oriented enterprise, to provide users with the most satisfactory service.



Qualification Certification 资质认证

ISO认证



ISO certification



专利认证 Patent Certificate



专利认证 Patent Certificate



CE认证 CE Certification



民参军重点企业 Key enterprises for people to join the army





APPLICATION

应用领域

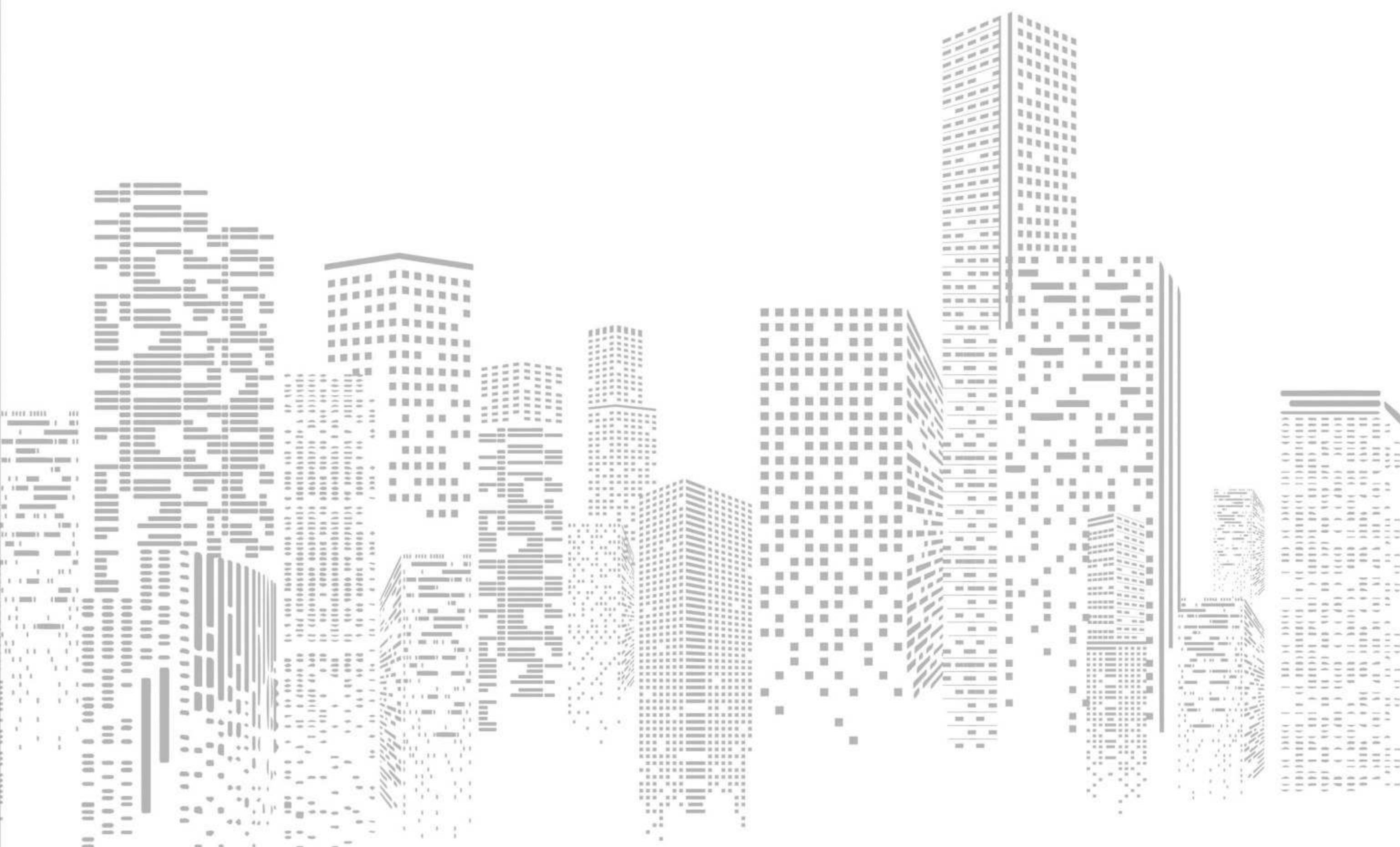
睿迈科面向全球提供定制化工业搬运解决方案，以及各种应用材料运输方案。为航空航天、核电、钢铁、造船、重工、制造，电力电气、水电风电、石油、化工、车辆制造、新能源、建筑、高铁桥梁、冶金、煤炭、安防通讯、科研单位（大学院校）、养殖业等行业的重要客户解决物料搬运问题。睿迈科运输解决方案适用于世界各地各种行业，产品已出口美国、墨西哥、荷兰、波兰、沙特、捷克、意大利、瑞士、加拿大、土耳其、新加坡、泰国等国家。

Remarkable provides customized industrial handling solutions and various application material transport solutions to the world. To solve material handling problems for important customers in industries such as Aerospace industry, nuclear power, steel, shipyard, heavy industry, manufacturing, power and electrical, hydropower and wind power, petroleum, Chemical Industry, Automotive manufacturing, new energy, construction, high-speed railway bridges, metallurgy, coal, security and communication, scientific research institutions (universities), and animal husbandry. Remarkable transportation solutions are applicable to various industries around the world. Its products have been exported to the United States, Mexico, the Netherlands, Poland, Saudi Arabia, the Czech Republic, Italy, Switzerland, Canada, Türkiye, Singapore, Thailand and other countries.

专注搬运 行稳致远

CONCENTRATING ON CARRYING, GO MORE STABLE AND FARTHER.

 中国航天	 中核集团	 中国中车	 中国电建	 中铁工业
 中铁集团	 中国科学院	 东风汽车	 国家电网有限公司	 中国南方电网
 国机集团	 中国兵器工业集团有限公司	 国检集团	 FYAERO	 郑州铁路
 中国海油	 沈阳理工大学	 航特装备	 南高齿	 南通宝钢
 三友	 NOBLELIFT 诺力物流机器人	 台达	 卫华集团	 中信重工
 MEINOLF	 Schneider Electric	 WÄRTSILÄ		



PRODUCT DISPLAY

产品展示

Customized trackless transfer cart

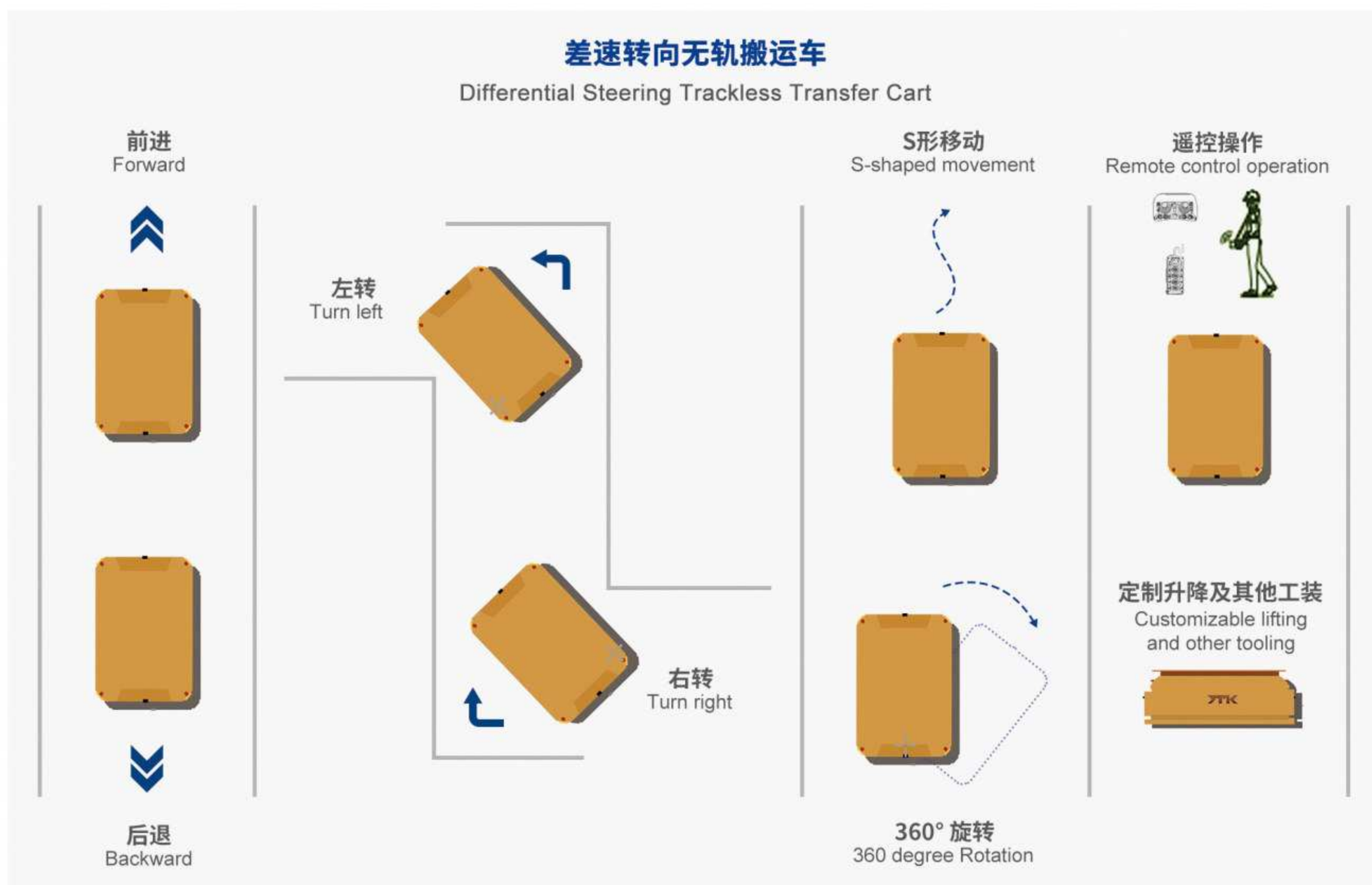
定制型无轨搬运车



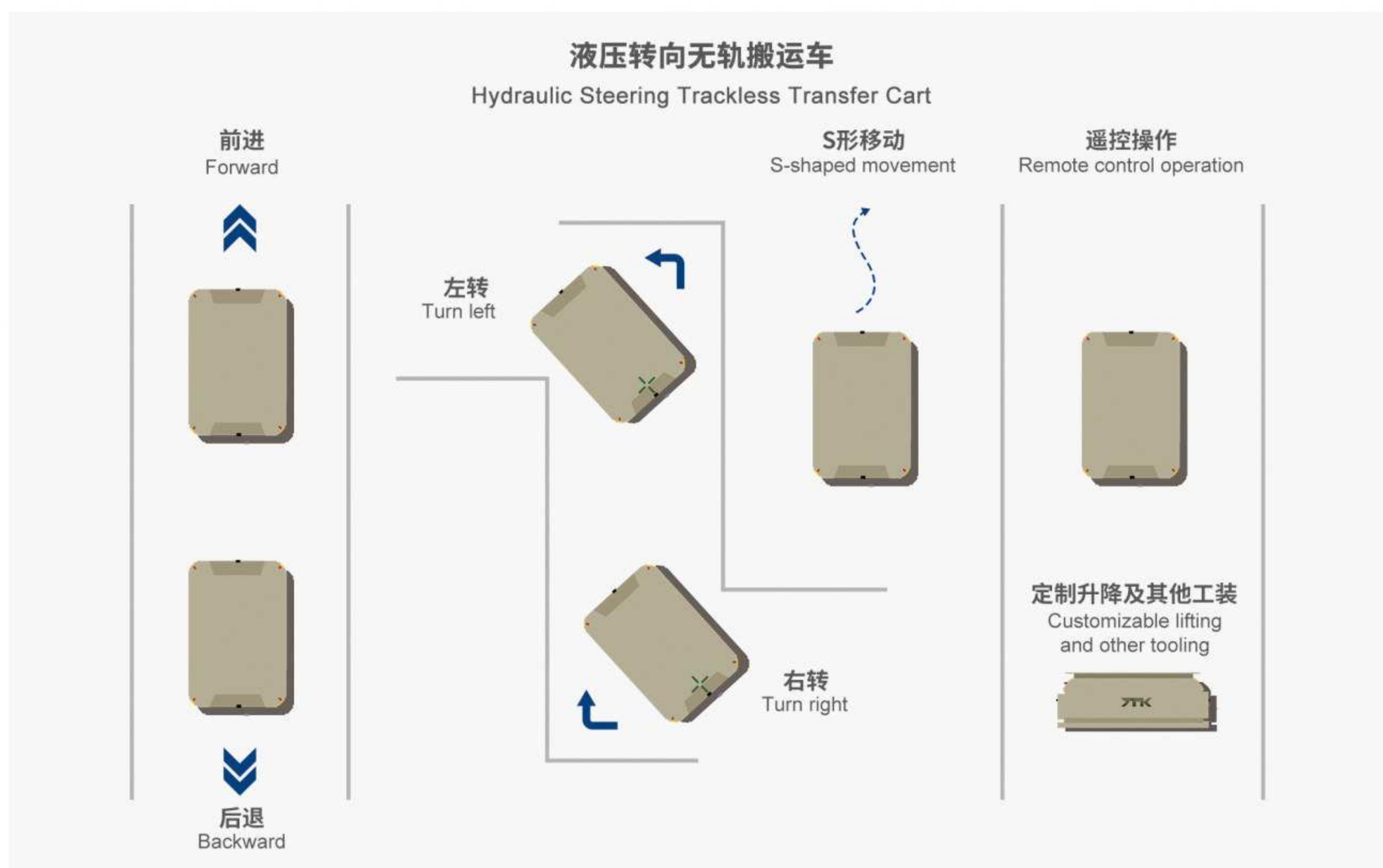
水利水电用80吨重载无轨搬运车——电力电气

80 tons heavy-duty trackless transport cart for water conservancy and hydropower - Power And Electrical

操作演示一 Operation Demonstration 1



操作演示二 Operation Demonstration 2



合作案例 Cooperation case



60吨重载搬运车——建筑、高铁桥梁
60 tons heavy duty transfer cart - Buildings,
High-speed railway bridges



50吨液压转向搬运车——装备制造
50 tons hydraulic steering transfer
cart - Equipment Manufacturing



30吨锂电池无轨电动平车——电力电气
30 tons lithium battery trackless transfer
cart - Power And Electrical



20吨无轨电动平车——装备制造
20 tons trackless transfer cart - Equipment
Manufacturing



15吨汽车制造模具转运无轨车——车辆制造
15 tons automobile manufacturing mold
transfer trolley - Automotive Manufacturing



2吨防辐射物料桶无轨车——军工
2 tons anti radiation material bucket trackless
transfer cart - Military



合作案例 Cooperation case



1吨无轨电动平车——航天军工
1 ton trackless transfer cart - Aerospace & Military



40吨无轨车——装备制造 出口土耳其
40 tons of trolley - Equipment Manufacturing Exported to Turkey



35吨重载无轨车——装备制造 出口墨西哥
35 tons heavy duty trolley - Equipment Manufacturing Exported to Mexico



35吨大台面液压转向无轨车——建筑 出口新加坡
35 tons large table hydraulic steering trolley - Buildings Exported to Singapore



30吨液压转向无轨车——装备制造 出口波兰
30 tons hydraulic steering trolley - Equipment Manufacturing Exported to Poland



25吨升降台面无轨转运车——新能源 出口沙特
25 tons lift trackless transfer cart - New Energy Export to Saudi Arabia

合作案例 Cooperation case



25吨差速无轨车——电力电气 出口越南
25 tons differential steering trackless transfer cart - Power And Electrical
Export to Vietnam



25吨无轨车——钢铁 & 冶金 出口荷兰
25 tons transfer cart - Steel & Foundry Exported to Netherlands



17吨无轨电动平车——建筑 出口美国
17 tons trackless electric transfer cart - Buildings Export to USA



10吨无轨电动平车——装备制造 出口土耳其
10 tons trackless electric transfer cart - Equipment Manufacturing
Export to Turkey



CE认证10吨无轨车——装备制造 出口意大利
10 tons transfer cart - Equipment Manufacturing Exported to Italy



V型台面结构——钢铁 & 冶金 出口马来西亚
V-shaped platform transfer cart - Steel & Foundry

合作案例 Cooperation case



20吨差速无轨车——装备制造 出口荷兰
20 tons trackless transfer cart - Equipment Manufacturing Netherlands



25吨无轨车——电力电气 出口阿曼
25 tons trackless transport cart - Power And Electrical Exported to Oman



25吨差速无轨车——装备制造 出口加拿大
25 tons trackless transfer cart - Equipment Manufacturing Exported to Canada



钢管运输无轨车——钢铁 & 冶金 白俄罗斯
Steel Pipe Transportation Trackless transfer cart - Steel & Foundry Belarus



举升式液压无轨车——大学院校 出口波兰
Hydraulic lifting trackless transfer cart - Universities And Colleges Exported to Poland



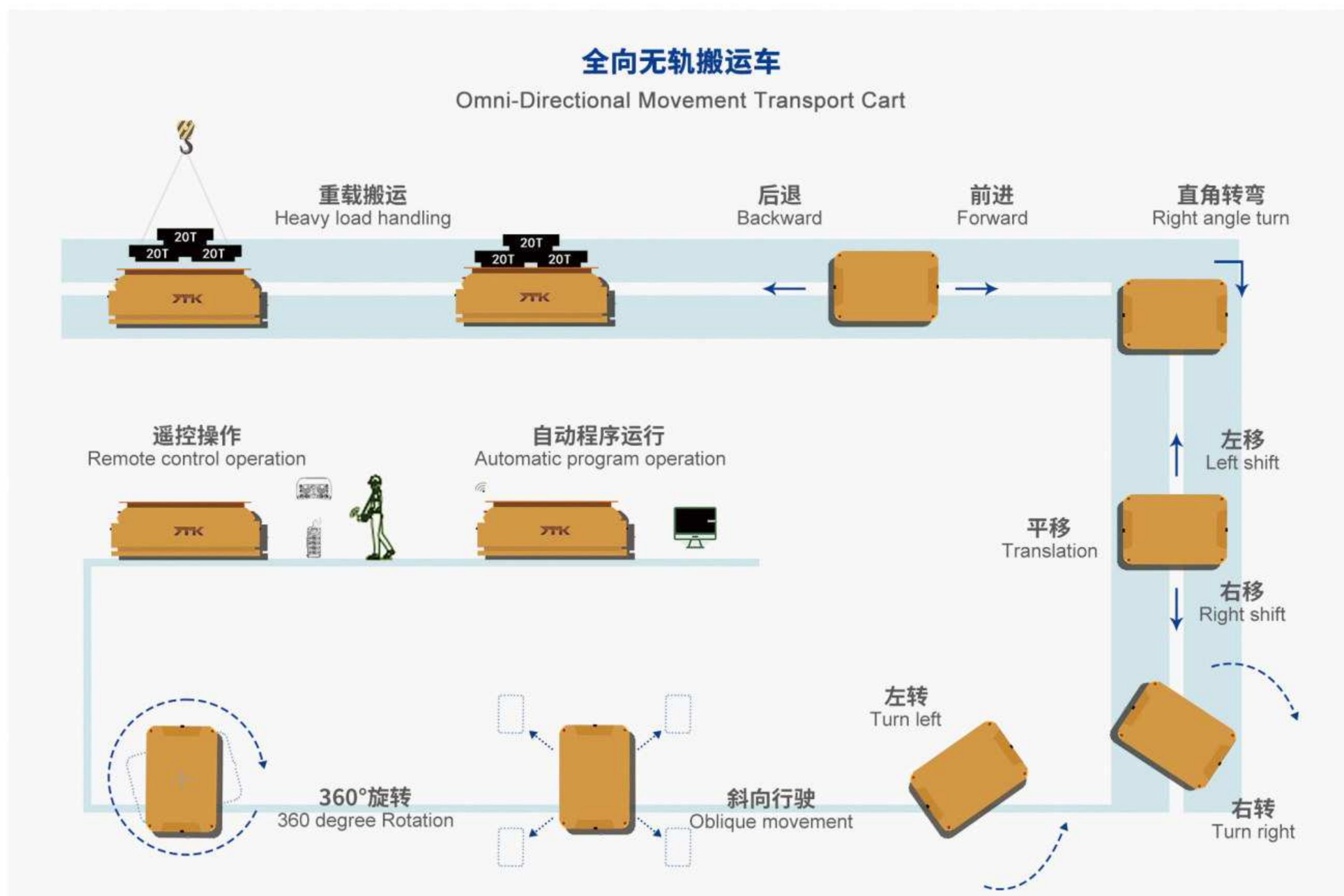
液压转向无轨车——钢铁 & 冶金 出口保加利亚
Hydraulic Steering trackless transfer cart - Steel & Foundry Exported to Bulgaria

Omnidirectional mobile trackless transfer cart

全向移动无轨转运车



操作演示 Operation Demonstration



合作案例 Cooperation case



70吨差分舵轮全向搬运车——风电
70 tons Omni-directional movement transport cart - Power



20吨舵轮全向移动车——航天军工
20 tons Omni-directional movement transport cart - Aerospace & Military



12吨舵轮无轨搬运车——航天军工
12 tons Omni-directional movement transport cart - Aerospace & Military



10吨全向移动车——航天军工
10 ton omnidirectional mobile transfer cart - Aerospace & Military



全向移动搬运车——石油
Omni-directional movement transport cart - Oil



4吨舵轮全向车——航天军工
4 tons omnidirectional wheel transfer cart - Aerospace & Military



合作案例 Cooperation case



举升全向车——军工
Lifting omnidirectional transport cart - Military



40吨举升全向车——家具 出口瑞士
40 tons heavy-duty lifting omnidirectional transport cart - Furniture Switzerland



30吨液压升降全向车——化工 出口土耳其
30 tons hydraulic lifting omnidirectional transport cart - Chemical
Exported to turkey



15吨舵轮无轨车——建筑 出口保加利亚
15 tons Omni-directional movement transport cart - Buildings
Exported to Bulgaria



15吨全向车——钢铁 & 冶金 出口泰国
15 tons omnidirectional transport cart- Steel & Foundry
Exported to Thailand



12吨钢卷举升全向车——造纸 出口厄瓜多尔
12 tons coil lifting omnidirectional transport cart - Paper Making
Exported to Ecuador

Electric Rail Transfer Trolley

轨道电动平车



20吨轨道车——装备制造

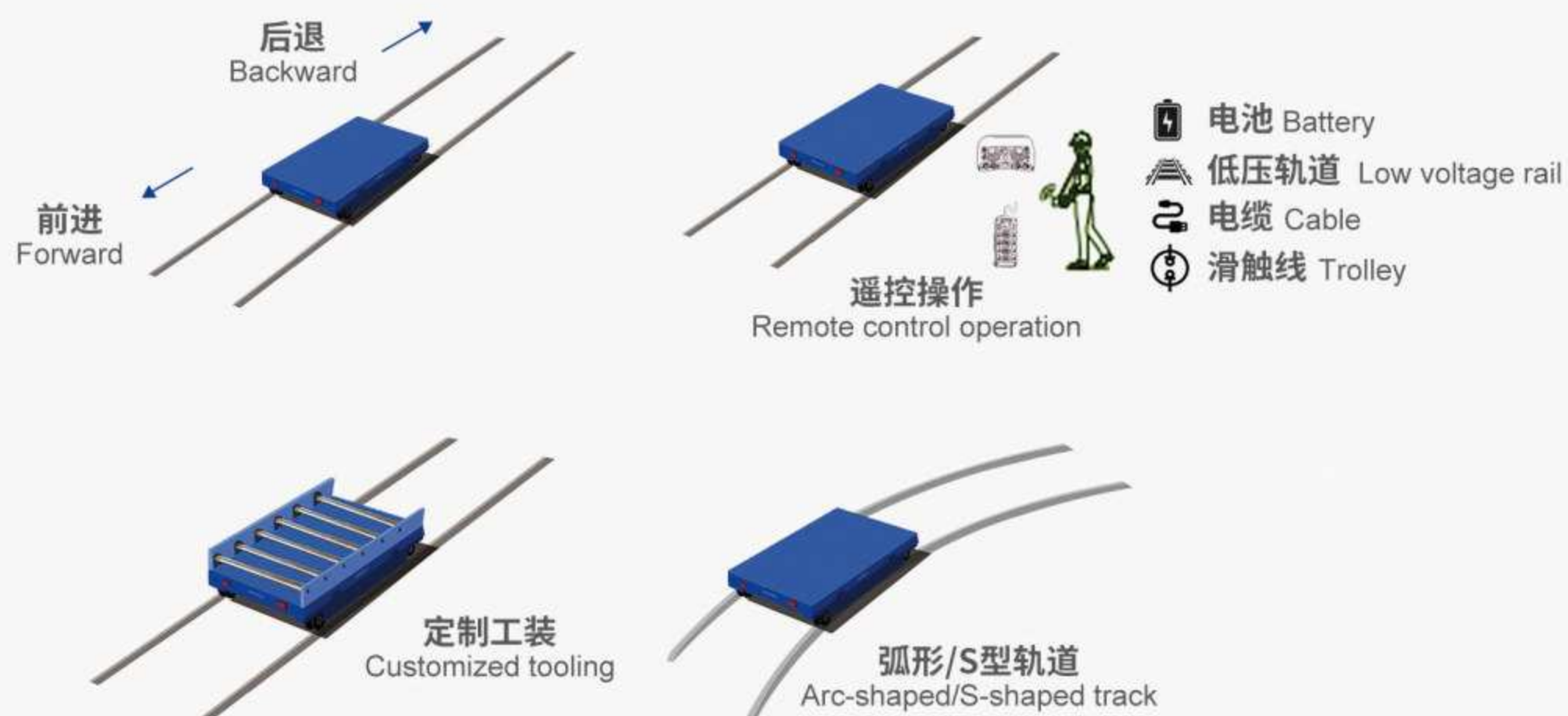
20 tons rail transfer trolley - Equipment Manufacturing



操作演示 Operation Demonstration

轨道电动平板车

Electric Rail Transfer Trolley



合作案例 Cooperation case



50吨防爆轨道车——航天军工
50 tons explosion-proof rail trolley
- Aerospace & Military



40吨悬臂吊轨道车——航天军工
40 tons crane rail transfer cart
- Aerospace & Military



重载100吨轨道车——电力电气 出口捷克
Heavy duty 100 tons rail transfer cart - Power And Electrical
Exported to Czech Republic



35吨电池轨道车——钢铁 & 冶金 出口保加利亚
35 tons battery rail trolley - Steel & Foundry Exported to Bulgaria



20吨V型架轨道车——钢铁 & 冶金 出口泰国
20 tons V-frame rail transfer cart - Steel & Foundry Exported to Thailand



25吨电池轨道车——钢铁 & 冶金 出口埃及
25 tons battery rail transfer cart - Steel & Foundry Exported to Egypt

合作案例 Cooperation case



防爆特种轨道车——造船 瓦锡兰
Explosion proof special rail transfer cart - Shipyard



大台面轨道车——钢铁 & 冶金 出口印度
Large table rail transport cart - Steel & Foundry Exported to India



钢材料运输定制型电动轨道车——钢铁 & 冶金 出口泰国
Steel material electric rail transfer cart - Steel & Foundry Exported to Thailand



20吨轨道车——十堰丰凯
20 tons rail transfer cart



10吨轨道车——装备制造 出口保加利亚
10 tons rail transport cart - Equipment Manufacturing Exported to Bulgaria



定制型拖缆轨道车——钢铁 & 冶金 出口捷克
Customized Cable Electric rail trolley - Steel & Foundry Exported to Czech Republic

Automated rail transfer trolley

RGV自动化轨道搬运车

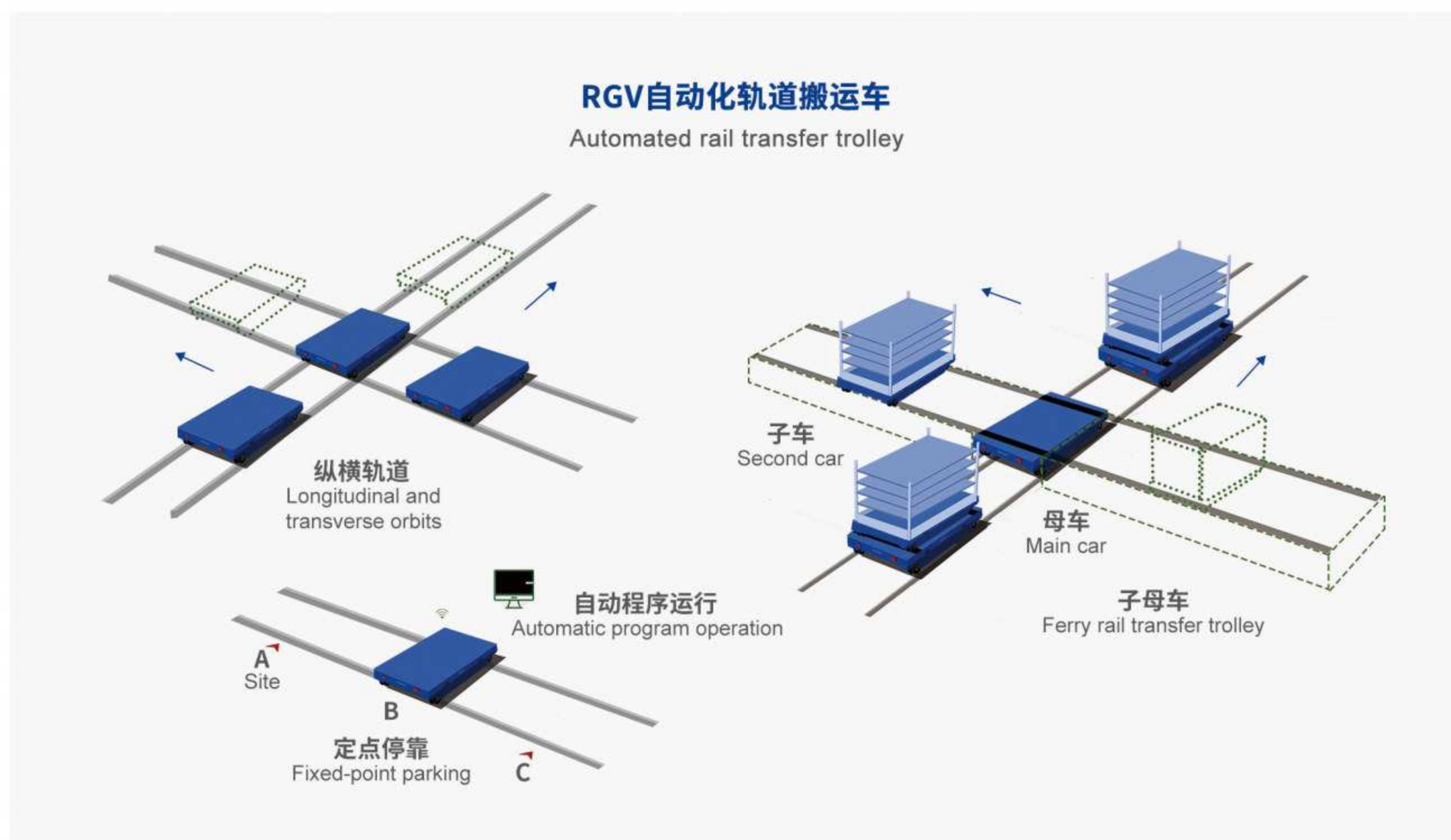


15吨防爆RGV——航天军工

15 tons explosion-proof RGV - Aerospace & Military



操作演示 Operation Demonstration



合作案例 Cooperation case



50吨牵引式RGV——车辆制造
50 tons traction RGV - Automotive Manufacturing



纵横移动自动化轨道车RGV——军工
Vertical and horizontal mobility automated rail car RGV - Military



10吨RGV——建筑、高铁桥梁
10 tons RGV - Buildings, High-speed railway bridges



子母式RGV——建筑、高铁桥梁
Ferry style RGV - Buildings, High-speed railway bridges



RGV铁路摘钩机器人——铁路
Rail inspection hook removal robot RGV - Railway



纵横移动RGV——军工
Horizontal moving RGV - Military



合作案例 Cooperation case



40+40吨双车联动纵横移动RGV——储能
40+40 Ton Double-Vehicle Coordinated Vertical and Horizontal Moving RGV - Power



360度翻转式RGV——航天军工
Desktop rotating flip RGV - Aerospace & Military



35吨升降RGV——军工
35 tons lifting RGV - Military



升降式纵横移动RGV——新能源
Elevated vertical and horizontal movement RGV - New Energy



运载+牵引两用RGV——钢铁 & 冶金
Dual use RGV for transportation and traction - Steel & Foundry



V型架10吨RGV——钢铁 & 冶金
Coil 10 tons RGV - Steel & Foundry



合作案例 Cooperation case



3吨防爆RGV——装备制造
3 tons explosion-proof RGV - Equipment Manufacturing



南高齿



叉车式RGV——钢铁 & 冶金
Forklift RGV - Steel & Foundry



滚筒输送线轨道小车RGV - 钢铁 & 冶金
Roller conveyor line rail trolley RGV - Steel & Foundry



车载轨道式RGV——装备制造
Vehicle mounted rail type RGV - Equipment Manufacturing



三友



轨道式多功能RGV——钢铁
Rail-type Multifunctional RGV - Steel



转弯式RGV——军工
Turning-type RGV - Military

NOBLELIFT
诺力物流机器人

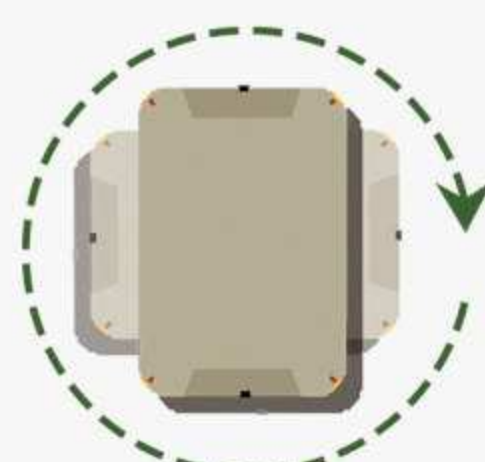
AGV/AMR



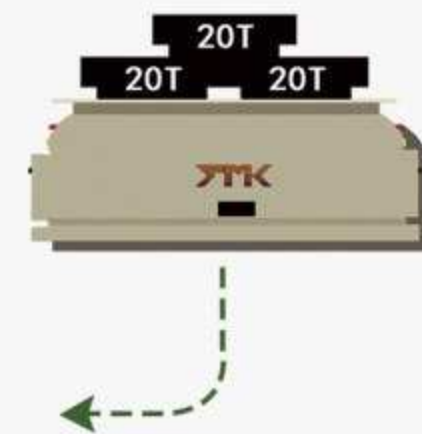
操作演示 Operation Demonstration

AGV搬运机器人

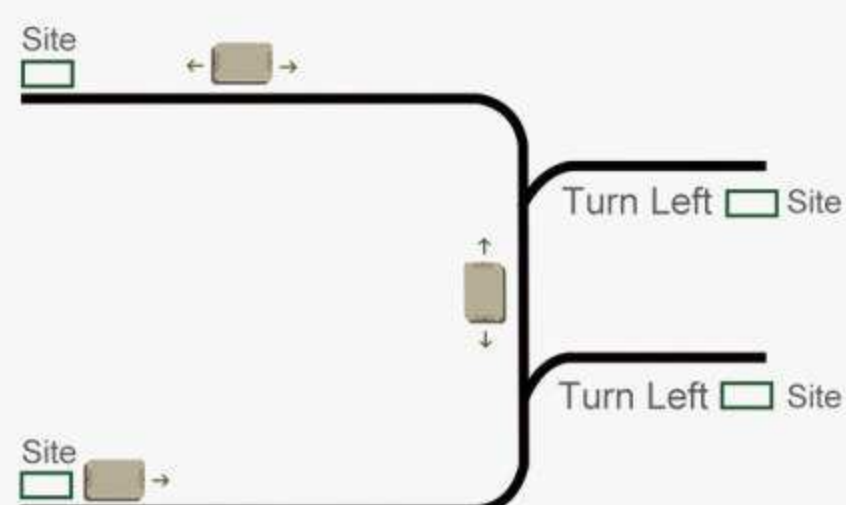
AGV Handling Robot/Self Propelled Electric Transfer Cart



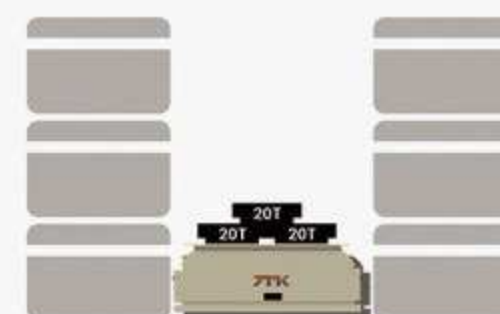
360°旋转 / 360°Rotation



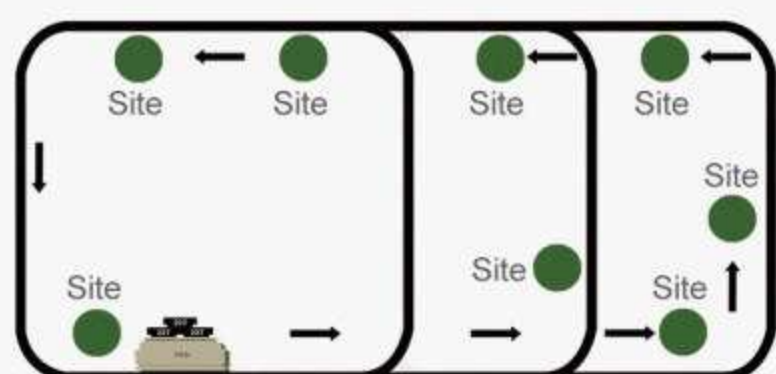
90°转弯 / 90°Turn



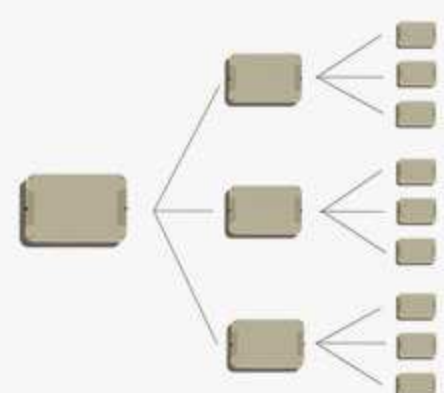
激光避让 / Anti-collision laser



狭小空间移动 / Moving in narrow spaces



Turn Left Turn Left



任务调度 / Task scheduling



对接系统 / Docking system

合作案例 Cooperation case



3吨重载AGV——国家电网
3 tons heavy duty AGV - STATE GRID



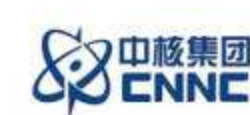
5吨激光升降称重AGV——南方电网
5 tons laser navigation AGV



激光+磁条+二维码混合导航麦克纳姆轮式AGV——航天军工
Laser + magnetic stripe + QR code hybrid navigation McNAM wheel AGV - Aerospace & Military



载重AGV——军工
Heavy duty AGV - Military



轮对用重载AGV——铁路
Heavy duty AGV for wheelset - Railway



激光导航+磁导航10吨举升式AGV——航天军工
Laser navigation+magnetic navigation 10 tons lifting AGV - Aerospace & Military





RWP Series Trackless Electric Transfer Cart

RWP系列无轨电动搬运车

RWP系列无轨电动搬运车是一种人工操纵的电动运输设备，该系列产品无需铺设轨道，行走路线不受限制，使用灵活性高。该车具有多种防护措施以及各种移载功能。以铅酸电池或锂电池为能源，采用电机调速驱动技术，人工线控或无线遥控的操作模式，使搬运车实现启动、停止、前进、后退、转弯等功能，有些车型可实现360度原地旋转。无轨车广泛用于各工业领域的运输，运行平稳、安全性高、精度高、速度快、灵活度高、负载大、效率高。

RWP系列无轨电动搬运车根据载重、尺寸以及客户使用要求不同，分为差速转向、液压转向以及全向车三种转向模式。

RWP系列电动搬运车可以根据用户的要求增加液压升降系统，实现台面升降、侧翻等功能，以及马鞍座、U型、V型、滚轮支架、夹紧装置、防滑、耐高温等其它辅助装置以满足不同场合的使用需求。

应用范围：机械制造、汽车工业、重工制造、模具制造、工程机械、船舶制造、港口货场、钢板配送、钢铁冶金、矿山运输、航空航天、军工等行业。

The RWP series trackless electric transfer cart is a manually operated electric transportation equipment that does not require fixed rails, offering unrestricted movement paths and high flexibility. Trackless transporter with multiple protective measures and various load-transfer functions, it is powered by lead-acid or lithium batteries and utilizes motor speed control drive technology. The vehicle can be operated via wired or wireless remote control to perform functions such as starting, stopping, moving forward, reversing, and turning, with some models capable of 360° in-place rotation. These trackless transporters are widely used in various industrial sectors, providing smooth operation, high safety, precision, speed, agility, heavy-load capacity, and efficiency.

Based on load capacity, dimensions, and customer requirements, the RWP series offers three steering modes: differential steering, hydraulic steering, and omni-directional steering.

Additionally, the RWP series can be customized with hydraulic lifting systems to enable platform elevation, tilting, and other functions. Auxiliary attachments such as saddle seats, U/V-shaped frames, roller supports, clamping devices, anti-slip surfaces, and heat-resistant components can also be integrated to meet diverse operational needs.

Applications:

Mechanical manufacturing, automotive industry, heavy equipment manufacturing, mold manufacturing, construction machinery, shipbuilding, port terminals, steel plate distribution, iron & steel metallurgy, mining transportation, aerospace, military, and other industries.



技术参数 Technical Parameters

RWP无轨电动搬运车技术参数表 Technical Parameters Table Of RWP Trackless Electric Transfer Cart											
额定载重	Rated Load Capacity (t)	5	10	15	20	30	40	50	60	80	100
台面尺寸 Table Size(mm)	长 Length	2400	2700	2700	3000	3500	4000	4500	5000	6000	6000
	宽 Width	1500	1800	1800	2000	2200	2000	2200	2500	3000	3000
	高 Height	470	550	600	700	700	800	900	1000	1000	1000
离地间隙	Ground Clearance (mm)	≥50					≥100				
转弯半径	Turning Radius (mm)	2200	2500	2500	2800	3300	7000	8000	9000	10000	10000
转向方式	Steering Mode	差速转向 Differential Steering					液压转向 Hydraulic Steering				
操作方式	Operation Method	无线遥控+线控手柄 Remote Control & Hand Operate Pendant									
运动方式	Move Way	直行、左转、右转、原地旋转 Forward,backward, turning while driving with no stop,and 360° rotation					直行、左转、右转 Forward,backward, turning while driving with no stop				
行走速度	Running Speed (m/min)	25		20							
电机类型	Motor Type	低压交流电机/直流无刷电机 Low-voltage alternating current (AC) motor / brushless direct current (DC) motor									
刹车方式	Brake Mode	电磁刹车 Electromagnetic Brake									
防护措施	Protective Measures	声光报警+急停按钮+激光避障（选配）+防撞触边（选配） Audible and visual alarm lamp+ Emergency stop button+Laser obstacle avoidance sensor(Optional)+Anti-collision contact edge(Optional)									
车轮数量	Wheel Quantity	4							6	8	
驱动轮经	Drive Wheel Diameter (mm)	Φ360	Φ400	Φ400	Φ450	Φ500	Φ500	Φ550	Φ600	Φ550	Φ550
车轮材质	Wheel Material	钢芯+聚氨酯/橡胶轮胎 Steel Core + Polyurethane /Rubber Tire									
电池容量	Battery Capacity (kW·h)	5.5	8.5	10.5	14	18.5	18.5	22.5	30	37.8	45.3
电池类型	Battery Type	铅酸电池 Lead-Acid Battery					锂电池 Lithium Battery				
续航时长	Battery Endurance	5h（可根据用户需求定制） Customized As Needed					4h（可根据用户需求定制） Customized As Needed				
充电时间	Battery Charging Time	≤7h					≤5h				
充电器供电	Battery Charger	AC220V/AC380V									
适用地面	Ground type	水泥地面、钢板地面、环氧地面、沥青地面 Cement Floor , Steel Plate Ground , Epoxy Floor , Asphalt Floor									
满载爬坡能力	Full-Load Climbing Capacity	5%					3%				
工作环境	Working Environment	温度：-10℃~40℃；湿度：20%~80%无凝露(定制高温、防爆环境) Temperature: -10°c-40°c; Humidity: 20%-80%, No Condensation(Customized for high-temperature and explosion-proof environments)									
车体颜色	Vehicle Body Color	黄色/蓝色/根据要求定制 Customized									
其它功能	Other Functions	电量显示、过压、欠压、过流保护 Battery Power Display,Over Voltage, Under Voltage, Over Current Protection etc									

注：

- 1) 其它台面尺寸、载重吨位可根据用户需求定制；
- 2) 对于液压转向，可根据现场空间选择双液压转向形式，减少转弯半径；
- 3) 电池类型和续航时长可根据客户需求定制；
- 4) 产品会不断改进升级，表内参数可能存在变动。

Notes:

- 1) Other table sizes and load capacities can be customized according to user requirements.
- 2) For hydraulic steering, dual hydraulic steering system can be selected to reduce the turning radius based on site space constraints.
- 3) Battery type and operating time (battery endurance) can be customized to meet customer needs.
- 4) The product is subject to continuous improvement and upgrades; specifications in the table may change without prior notice.

PRODUCT PARAMETER

产品参数



Omni-Directional Series Electric Trackless Transfer Cart

全向系列电动无轨搬运车

全向系列电动无轨搬运车由车辆本体、驱动单元（电机、减速机、车轮）、动力系统、控制系统、及安全检测防护系统五大部分组成。全向系列无轨搬运车具有多种运行方式：包括直行、边走边转、横向移动、斜向移动、以车体中心为轴原地360° 旋转等，运行非常灵活，适合复杂的生产环境和有限的生产空间及路径较为狭小的地方，可以自由穿梭于各个场地和环境中。车的操作也更为智能和便捷，是现代工业物料运输非常受青睐的搬运工具，应用于现代化工业生产的各个领域。

睿迈科提供1-300吨非标定制全向车解决方案，可根据车的载重、尺寸、高度及客户使用要求，提供舵轮或差分轮组系统全向搬运车。

差分轮组具有更大载重、更低车身、对地面调整性更强和影响小等特点。

The omnidirectional (Omni wheel) series electric trackless transfer carts are composed of five major components: the vehicle body, drive unit (motor, speed reducer, wheels), power system, control system, and safety detection and protection system. The Omni-Directional series trackless transfer carts feature multiple operation modes: Forward, backwards, rotation left/right, crab driving left/right, lateral movement, diagonal movement, and 360° in-situ rotation around the vehicle's center, etc. They operate with high flexibility, making them suitable for complex production environments, limited production spaces, and narrow paths. Omni wheel transporter can freely navigate through various sites and environments. The carts are also more intelligent and convenient to operate, serving as highly favored handling tools in modern industrial material transportation, applied across all fields of modern industrial production.

REMARKABLE provides non-standard customized omnidirectional cart solutions ranging from 1 to 300 tons. Depending on the cart's load capacity, dimensions, height, and customer requirements, we offer omnidirectional transfer carts with steering wheel or differential wheel set systems.

The differential wheel set features advantages such as higher load capacity, lower vehicle body, stronger adaptability to ground conditions, and minimal impact on the floor.

Omni-Directional Series - AGV Automated Handling Robot

全向系列-AGV自动化搬运机器人

AGV即自动导引运输车，是指依靠某种或多种复合定位导引技术，能够在车间或仓库内自主移动并执行搬运任务的智能运输设备。AGV通过预设或实时生成的路径规划，实现物料搬运，不需要人驾驶，在运输过程中具有多重防护措施，能够灵活的组建到现代化生产、管理流水线中，解决各领域的智能化或特殊环境下的物料搬运，具有运输效率高、节能、工作可靠、能实现柔性运输等许多优点。

AGV的活动区域无需铺设轨道、支座架等固定置，不受场地、道路和空间的限制，可直接接收客户上位机指令，实现自动化搬运流程，广泛应用于汽车、电力、化工、钢铁、军工航天、核电、机械制造、港口货场、及仓储物流等领域。

睿迈科可为客户设计定制系统性的整套搬动解决方案。

AGV, namely Automatic Guided Vehicle, refers to an intelligent transportation equipment that relies on one or multiple composite positioning and guiding technologies to autonomously move and perform handling tasks in workshops or warehouses. Through preset or real-time generated path planning, AGVs can achieve material handling without human operation. They are equipped with multiple protective measures during transportation and can flexibly integrate into modern production and management assembly lines, addressing material handling needs in intelligent or special environmental scenarios across various industries. AGVs offer numerous advantages, such as high transportation efficiency, energy conservation, reliable operation, and the ability to achieve flexible transportation.

AGVs do not require fixed installations like tracks or support frames in their operational areas, and they are not restricted by venue, roads, or space. They can directly receive instructions from clients' host computers to realize automated handling processes, making them widely used in industries such as automotive, power, chemical, steel, military aerospace, nuclear power, mechanical manufacturing, port cargo yards, and warehousing logistics.

REMARKABLE can design and customize comprehensive handling solutions tailored to customer needs.



技术参数 Technical Parameters

全向系列电动无轨搬运车技术参数表 Technical Parameters Table Of Omni-Directional Series Electric Trackless Transfer Cart														
额定载重 Rated Load Capacity (t)		2	5	10	15	20	30	50	60	80	100	150	200	
台面尺寸 Table Size(mm)	长 Length	2000	2400	2700	3000	4000	4500	4500	5000	6000	6500	6500	6500	
	宽 Width	1300	1500	1800	2000	2000	2200	2200	2500	2500	2500	3000	3000	
	高 Height	450	500	550	700	700	700	650	700	700	700	750	750	
离地间隙 Ground Clearance (mm)		≥50				≥100								
转弯半径 Turning Radius (mm)		0												
转向方式 Steering Mode		舵轮转向 Steering Wheel/Omni Wheel Steering						差分舵轮转向 Differential Wheel Set Systems						
操作方式 Operation Method		无线遥控+线控手柄 Remote Control & Hand Operate Pendant												
运动方式 Move Way		直行、边走边转、斜行、横移、原地旋转 Omnidirectional movement, Forward/backwards, rotation left/right, crab driving left/right,turning while driving with no stop, rotate 360° in place												
行走速度 Running Speed (m/min)		25				20								
电机类型 Motor Type		直流伺服电机/低压交流电机 DC Servo Motor / Low-voltage alternating current (AC) motor												
刹车方式 Brake Mode		电磁刹车 Electromagnetic Brake												
防护措施 Protective Measures		声光报警+急停按钮+激光避障（选配）+防撞触边（选配） Audible and visual alarm lamp+ Emergency stop button+Laser obstacle avoidance sensor(Optional)+Anti-collision contact edge(Optional)												
车轮数量 Wheel Quantity		4				8				12				16
悬挂类型 Suspension Type		机械调平 Mechanical Automatic Regulation								液压悬挂 Hydraulic Suspension				
驱动轮经 Drive Wheel Diameter (mm)		Φ200	Φ250	Φ300	Φ410	Φ300	Φ410	Φ400	Φ500	Φ400	Φ500	Φ550	Φ550	
车轮材质 Wheel Material		钢芯+聚氨酯/橡胶轮胎 Steel Core + Polyurethane /Rubber Tire												
电池容量 Battery Capacity (kW·h)		4.8	7.2	10.5	12.5	14.4	15.1	22.5	30	37.8	45.3	60.5	75.6	
电池类型 Battery Type		铅酸电池 Lead-Acid Battery						锂电池 Lithium Battery						
续航时长 Battery Endurance		5h (可根据用户需求定制) Customized As Needed						4h（可根据用户需求定制） Customized As Needed						
电池类型 Battery Type		≤7h						≤5h						
充电器供电 Battery Charger		AC220V/AC380V												
适用地面 Ground type		水泥地面、钢板地面、环氧地面、沥青地面 Cement Floor , Steel Plate Ground , Epoxy Floor , Asphalt Floor												
满载爬坡能力 Full-Load Climbing Capacity		3%												
工作环境 Working Environment		温度：-10℃～40℃；湿度：20%～80%无凝露(定制高温、防爆环境) Temperature: -10℃-40℃; Humidity: 20%-80%, No Condensation(Customized for high-temperature and explosion-proof environments)												
车体颜色 Vehicle Body Color		黄色/蓝色/根据要求定制 Customized												
其它功能 Other Functions		电量显示、PLC、可视化操作屏、过压、欠压、过流保护 Battery Power Display,PLC, Visual Display Screen Designed On The Electric Control Cabinet ,Over Voltage, Under Voltage, Over Current Protection etc												
AGV自动化 Versione Automatica – AGV		搭配磁导航、激光导航、二维码导航、色带导航等导航模式实现AGV自动搬运功能 With navigation modes such as magnetic navigation, laser navigation, QR code navigation, and ribbon navigation, the AGV can achieve automatic handling functions.												

注：1) 其它台面尺寸、载重吨位可根据用户需求定制； 2) 可根据车身尺寸及载重定制任意轮系数量的整车； 3) 该系列搬运车可搭配磁导航、激光导航、二维码导航、色带导航等导航模式实现AGV自动搬运功能； 4) 电池类型和续航时长可根据客户需求定制； 5) 产品会不断改进升级，表内参数可能存在变动。

Notes: 1)Other table sizes and load capacities can be customized according to user requirements. 2)The number of wheel sets can be flexibly configured based on vehicle dimensions and load capacity. 3)This transporter series supports multiple navigation modes (magnetic, laser, QR code, or tape guidance) for AGV automated operation. 4)Battery type and operating time (battery endurance) can be customized to meet customer needs. 5)The product is subject to continuous improvement and upgrades; specifications in the table may change without prior notice.

PRODUCT PARAMETER

产品参数



Electric Rail Transfer Cart Series

轨道电动平车系列

轨道电动平车是一种有轨运输车辆，可在S形或弧形轨道上运行，也可在直线轨道和圆弧形组合轨道、以及纵横交叉轨道上运行，可实现全自动化。该系列电动平车结构简单、安全灵活，易维护、适用于重载、高使用频率、使用寿命长、防爆、耐高温、噪音小、安全环保等特点。广泛应用于重工、机械制造、石油、冶金、矿山、化工、船舶制造、煤炭、机电、航天装备，军工等行业。

轨道电动平车可分为KPX电池轨道平车、KPD低压轨道车、RGV自动化轨道车、KPJ电缆卷筒轨道车、KPC滑触线轨道车、KPT拖缆轨道车等。

Electric Rail Transfer Cart Series are rail-guided transfer trolleys that can operate on S-shaped or curved rails, as well as on combined straight and circular arc rails, and vertical-horizontal intersecting rails, enabling full automation. This series of electric transfer trolleys features a simple structure, safety, flexibility, easy maintenance, and is suitable for heavy loads, high-frequency use, long service life, explosion-proof, high-temperature resistance, low noise, safety, and environmental protection. It is widely used in industries such as heavy industry, machinery manufacturing, petroleum, metallurgy, mining, chemical engineering, shipbuilding, coal, electromechanical, aerospace equipment, and military industry.

Electric Rail Transfer Carts can be divided into KPX battery rail transfer carts, KPD low-voltage rail transfer carts, RGV automated rail transfer carts, KPJ Cable Drum rail transfer carts, KPC sliding contact line rail trolleys, KPT trailing cable rail trolleys, etc.

KPX Battery Rail Transfer Cart

KPX电池轨道平车

KPX电池轨道平车采用铅酸电池或锂电池供电，配备智能充电机。电池给牵引电机提供电力，牵引电机拖动车运行，电池供电的直流电机或低压交流电机起动力矩大，具有很大的抗过载能力等优点。

它与其它型号轨道平车相比具有更大的安全性和机动灵活性，能在弯道、道岔上行驶，运行距离不受限制，对轨道无绝缘要求，施工方便费用低。

The KPX battery rail transfer cart is powered by lead-acid batteries or lithium batteries, equipped with an intelligent charger. The batteries supply power to the traction motor, which drives the car to operate. The DC motor or low-voltage AC motor powered by the batteries has the advantages of large starting torque and strong overload resistance.

Compared with other models of rail transfer carts, it has greater safety and maneuverability, can travel on curves and turnouts, has no restriction on operating distance, has no insulation requirements for rails, and is convenient for construction with low costs.



技术参数 Technical Parameters

轨道电动平车系列技术参数表 Technical Parameters Table Of Electric Rail Transfer Cart Series													
额定载重 Rated Load Capacity (t)		5	10	15	20	30	40	50	60	80	100	150	200
台面尺寸 Table Size(mm)	长 Length	2000	2400	3000	3000	4000	4500	5000	5000	6000	6000	7000	8000
	宽 Width	1300	1500	2000	2000	2200	2200	2500	2500	2500	2500	3000	3000
	高 Height	450	500	550	550	600	600	700	700	800	800	900	900
离地间隙 Ground Clearance (mm)		≥50											
轴距 Wheelbase (mm)		1300	1600	2000	2000	2700	3000	3300	3300	4000	4000	4800	5500
轨内侧距 Rail Inner Distance (mm)		900	1100	1435	1435	1435	1435	1650	1650	1650	1650	2000	2000
操作方式 Operation Method		无线遥控+线控手柄 Remote Control & Hand Operate Pendant											
运动方式 Move Way		直行，转弯（定制），纵横交叉移动（定制） Forward/backwards, Turning (Customized), Vertical-Horizontal Crisscross Movement (Customized)											
行走速度 Running Speed (m/min)		25				20							
电机类型 Motor Type		低压交流电机/直流无刷电机 Low-voltage alternating current (AC) motor / brushless direct current (DC) motor											
刹车方式 Brake Mode		电磁刹车 Electromagnetic Brake											
防护措施 Protective Measures		声光报警+急停按钮+极限保护+激光避障（选配）+防撞触边（选配） Audible and visual alarm lamp+ Emergency stop button+ Limit switch+Laser obstacle avoidance sensor(Optional)+Anti-collision contact edge(Optional)											
车轮数量 Wheel Quantity		4											8
车轮材质 Wheel Material		ZG55											
驱动轮经 Drive Wheel Diameter (mm)		Φ300	Φ300	Φ350	Φ350	Φ400	Φ400	Φ500	Φ500	Φ600	Φ600 重 Heavy Duty Wheel	Φ700 重 Heavy Duty Wheel	Φ600 重 Heavy Duty Wheel
推荐轨道型号 Recommended Rail Type		P15	P18	P24	P24	P38	P38	P43	P43	QU70	QU70	QU100	QU100
电池容量 Battery Capacity (kW·h)		4.8	7.2	8.6	8.6	10.5	14.4	15.8	18.7	21.6	28.8	36	57.6
电池类型 Battery Type		铅酸电池 Lead-Acid Battery											
续航时长 Battery Endurance		5h (可根据用户需求定制) Customized As Needed											
电池类型 Battery Type		≤7h											
充电器供电 Battery Charger		AC220V/AC380V											
工作环境 Working Environment		温度：-10℃~40℃；湿度：20%~80%，无凝露(定制高温、防爆环境) Temperature: -10℃-40℃; Humidity: 20%-80%, No Condensation(Customized for high-temperature and explosion-proof environments)											
车体颜色 Vehicle Body Color		黄色/蓝色/根据要求定制 Customized											
其它功能 Other Functions		电量显示、过压、欠压、过流保护 Battery Power Display,Over Voltage, Under Voltage, Over Current Protection etc											
RGV自动化 Versione Automatica – RGV		搭配自动定位系统、信号接收系统、可编程系统实现RGV自动化搬运功能。 可定制子母车（摆渡车）纵横移动车、弧形轨道车等RGV小车 Combined With An Automatic Positioning System, Signal Reception System, And Programmable System, The Rgv Realizes Automated Handling Functions. Customizable Rgv Carts Such As Mother-Child Carts (Ferry Carts), Vertical-Horizontal Moving Carts, And Curved Track Carts Can Be Provided.											

注：1) 其它轨距、台面尺寸、载重吨位可根据用户需求定制； 2) 该型号轨道车可根据需求定制子母车、弧形轨道车、纵横移动车等满足使用需求的特殊车辆； 3) 该型号轨道车可接收呼叫盒、上位机指令实现自动化搬运； 4) 电池类型和续航时长可根据客户需求定制； 5) 产品会不断改进升级，表内参数可能存在变动。

Notes: 1) Other gauges, table sizes, and load tonnages can be customized according to user requirements. 2) This model of rail trolleys can be customized with special vehicles such as mother-child cars, curved track carts, vertical-horizontal moving carts, etc., to meet specific usage needs. 3) This model of rail trolleys can receive instructions from call boxes and host computers to achieve automated handling. 4) Battery type and operating time (battery endurance) can be customized to meet customer needs. 5) The product is subject to continuous improvement and upgrades; specifications in the table may change without prior notice.



KPD Low Voltage Electric Rail Transfer Cart

KPD低压轨道电动平车

KPD轨道电动平车是低压轨道供电式电动平车。其工作原理是通过地面控制降压系统，把380V电源（三相或单相）电压降至36V的安全电压，馈电给导电轨（导电轨兼作平车的走行轨道），经平车的导电装置将低压电送至车上的升压变压器，升压至380V以拖动三相或单相电容电动机，驱动平车运行。KPD电动平车的优点是安全，不怕烫、不怕砸、不妨碍交叉运输，容易实现自动化，可以在弯道、环行道上行驶，适当增加降压变压器数量可不受运行距离的限制。

应用范围：钢铁、重工、航天、煤炭、水利等行业。

The KPD rail electric transfer cart is a low-voltage rail powered electric handling cart. Its working principle is as follows: the 380V power supply (three-phase or single-phase) is reduced to a safe voltage of 36V through a ground-controlled step-down system, which is then fed to the conductive rails (which also serve as the running tracks for the cart). The low-voltage electricity is transmitted via the cart's conductive device to the step-up transformer on the cart, which boosts the voltage back to 380V to drive a three-phase or single-phase capacitor motor, propelling the transfer cart.

KPD rail transfer cart offer advantages such as safety (resistant to high temperatures, impacts), no interference with cross-transportation, easy automation, the ability to travel on curved and circular tracks, and unlimited operating distance by appropriately increasing the number of step-down transformers.

Application scope: steel, heavy industry, aerospace, coal, water conservancy, and other industries.



技术参数 Technical Parameters

KPD低压轨道平车技术参数表 Technical Parameters Table Of KPD Low Voltage Electric Rail Transfer Cart													
额定载重	Rated Load Capacity (t)	5	10	15	20	30	40	50	60	80	100	150	200
台面尺寸 Table Size(mm)	长 Length	2000	2400	3000	3000	4000	4500	5000	5000	6000	6000	7000	8000
	宽 Width	1300	1500	2000	2000	2200	2200	2500	2500	2500	2500	3000	3000
	高 Height	450	500	550	550	600	600	700	700	800	800	900	900
离地间隙	Ground Clearance (mm)	≥50											
轴距	Wheelbase (mm)	1300	1600	2000	2000	2700	3000	3300	3300	4000	4000	4800	5500
轨内侧距	Rail Inner Distance (mm)	900	1100	1435	1435	1435	1435	1650	1650	1650	1650	2000	2000
操作方式	Operation Method	无线遥控+线控手柄 Remote Control & Hand Operate Pendant											
运动方式	Move Way	直行，转弯（定制），纵横交叉移动（定制） Forward/backwards, Turning (Customized), Vertical-Horizontal Crisscross Movement (Customized)											
行走速度	Running Speed (m/min)	25				20							
电机类型	Motor Type	三相异步电机 Three-Phase Asynchronous Motor											
刹车方式	Brake Mode	电磁刹车 Electromagnetic Brake											
防护措施	Protective Measures	声光报警+急停按钮+极限保护+激光避障（选配）+防撞触边（选配） Audible and visual alarm lamp+ Emergency stop button+ Limit switch+Laser obstacle avoidance sensor(Optional)+Anti-collision contact edge(Optional)											
车轮数量	Wheel Quantity	4											8
车轮材质	Wheel Material	ZG55											
驱动轮经	Drive Wheel Diameter (mm)	Φ300	Φ300	Φ350	Φ350	Φ400	Φ400	Φ500	Φ500	Φ600	Φ600 重 Heavy Duty Wheel	Φ700 重 Heavy Duty Wheel	Φ600 重 Heavy Duty Wheel
推荐轨道型号	Recommended Rail Type	P15	P18	P24	P24	P38	P38	P43	P43	QU70	QU70	QU100	QU100
供电方式	Power Supply Mode	380V降压到36V，36V升压到220V Step Down 380V To 36V, And Step Up 36V To 220V						380V降压到36V，36V升压到380V Step Down 380V To 36V And Step Up 36V To 380V					
轨道数量	Rail Quantity	2						2+1导电轨 2+1 Conductive Rails					
变压器功率	Transformer Power (kVA)	3	3	6	6	6	10	10	10	10	20	20	30
工作环境	Working Environment	温度：-10℃~40℃；湿度：20%~80%，无凝露(定制高温、防爆环境) Temperature: -10°c-40°c; Humidity: 20%-80%, No Condensation(Customized for high-temperature and explosion-proof environments)											
车体颜色	Vehicle Body Color	黄色/蓝色/根据要求定制 Customized											
其它功能	Other Functions	过压、欠压、过流保护 Over Voltage, Under Voltage, Over Current Protection etc											
RGV自动化	Versione Automatica – RGV	搭配自动定位系统、信号接收系统、可编程系统实现RGV自动化搬运功能。 可定制子母车（摆渡车）纵横移动车、弧形轨道车等RGV小车 Combined With An Automatic Positioning System, Signal Reception System, And Programmable System, The Rgv Realizes Automated Handling Functions. Customizable Rgv Carts Such As Mother-Child Carts (Ferry Carts), Vertical-Horizontal Moving Carts, And Curved Track Carts Can Be Provided.											

- 注：1) 其它轨距、台面尺寸、载重吨位可根据用户需求定制；
- 2) 该型号轨道车可根据需求定制子母车、弧形轨道车、纵横移动车等满足使用需求的特殊车辆；
- 3) 该型号轨道车可接收呼叫盒、上位机指令实现自动化搬运；
- 4) 轨道长度>50M，需要适当增加降压变压器数量，弥补轨道压降；
- 5) 产品会不断改进升级，表内参数可能存在变动。

Notes:1) Other gauges, table sizes, and load tonnages can be customized according to user requirements.

2) This model of rail trolleys can be customized with special vehicles such as mother-child cars, curved track carts, vertical-horizontal moving carts, etc., to meet specific usage needs.

3) This model of rail trolleys can receive instructions from call boxes and host computers to achieve automated handling.

4) The rail>50m, the number of step-down transformers needs to be appropriately increased to compensate for the voltage drop in the rail.

5) The product is subject to continuous improvement and upgrades; specifications in the table may change without prior notice.

PRODUCT PARAMETER

产品参数



RGV Automated Rail transfer cart

RGV自动化轨道车

RGV自动化轨道转运车广泛应用于自动化生产车间和生产线，具有多功能、高智能自动化和其他定制装置。RGV自动化轨道车可分为装配型RGV和运输型RGV两大类型。主要用于物料输送、车间装配等。有子母式（摆渡式）自动化轨道车和纵横移动自动化轨道车等。

子母式（摆渡式）自动化轨道转运车可以在有限的布局场地上有效地进行物体的转运。它可以在多个轨道上运行，一个穿梭车和一个跨度跨越，以满足多个轨道和多个站点以及自动化方面的需求。

纵横移动自动化轨道转运车可在纵横交叉轨道运行，可实现轨道识别定位，并切换轨道运行轨迹，根据需求可在转运车台面上定制机械手、起重机等多种搬运模式及各种自动化功能及程序。多应用于冶金、铸造、化工、核电、汽车制造等特殊行业，是现代化工厂及自动化生产车间中高效率的搬运设备。

RGV automated rail transfer cart are widely used in automated production workshops and lines, with multifunctional, highly intelligent automation and other customized devices. RGV automated rail cars can be divided into two types: assembly type RGV and transportation type RGV. Mainly used for material transportation, workshop assembly, etc. There are shuttle type automated rail cars and longitudinal and transverse moving automated rail cars.

The child mother type (Ferry Carts) automated rail transfer cart can effectively transfer objects on a limited layout site. It can operate on multiple rails, with a shuttle and a span spanning to meet the needs of multiple rails, multiple stations, and automation.

The Vertical-Horizontal Moving automated rail transfer cart can operate on the cross rail, achieve rail identification and positioning, and switch rail operation trajectories. According to requirements, various handling modes such as mechanical arms and cranes can be customized on the transfer cart platform, as well as various automation functions and programs. It is widely used in special industries such as metallurgy, casting, chemical, nuclear power, and automotive manufacturing, and is an efficient handling equipment in modern chemical plants and automated production workshops.



KPT Cable Electric Transfer Cart

KPT拖缆电动平车

KPT拖电缆供电轨道平车，是将交流380V电缆线直接引入平车电气控制系统，来控制平车的启动、停止、前进、后退等。通过平车的移动来拖动放置在地面上的电缆实现平车供电，电缆线放置在两轨道中心，操作系统为低压36V电源控制。

该型号搬运车适用于恶劣环境、高温环境、防爆环境等场合；由于机构比较简单，成本较低，是车间短距离过跨较常见的轨道车；

相对于KPX轨道车，不受使用时间限制；相对于KPD轨道车，对于轨道铺设要求不高；相对于KPJ系列平车，成本更低；

KPT轨道转运车适用于运行距离不长（ $\leq 20\text{M}$ ）、使用频率较高、整车高度较低的场合；对于运行距离较短运行速度较慢的场合可以使用拖链来减少电缆的磨损。

应用范围：模具车间、地下矿井、工程、航天、水利等行业。

The KPT cable-trailing powered rail transfer cart directly introduces an AC 380V cable into its electrical control system to manage functions such as starting, stopping, forward and backward. Power is supplied to the trolley by dragging the cable laid on the ground as the car moves, with the cable positioned at the center between the two rails. The operating system is controlled by a low-voltage 36V power supply.

This type of transfer cart is suitable for harsh environments, high-temperature settings, explosion-proof environments, and other similar scenarios. Due to its simple structure and low cost, it is a common rail car for short-distance cross-span transportation in workshops.

Compared to the KPX trolley, it is not restricted by usage time. Compared to the KPD trolley, it has lower requirements for track laying. Compared to the KPJ trolley, it has a lower cost.

The KPT rail transfer car is suitable for occasions with short operating distances ($\leq 20\text{m}$), high usage frequency, and low overall vehicle height. For scenarios with short operating distances and slow speeds, a drag chain can be used to reduce cable wear.

Application scope: Mold workshops, underground mines, engineering, aerospace, water conservancy and other industries.



PRODUCT PARAMETER

产品参数



KPJ Cable Drum Transfer Cart

KPJ电缆卷筒电动平车

KPJ电缆卷筒电动平车，以电缆卷筒交流380V供电。电缆卷筒为磁滞耦合式，确保电缆受力均匀不易拉坏。交流380V给平车上YZ起重冶金用电机提供电力，电机拖动平车运行。KPJ搬运车运行时电缆卷筒自动将电缆卷起或放出，受卷线筒供电长度影响，一般大运行距离小于200M。该型号电动搬运车结构简单可靠、经济、轨道施工方便，常用于恶劣工况。

应用范围：制造行业、冶金重工、煤炭机电等行业。

The KPJ cable drum electric transfer cart is powered by an AC 380V cable drum. The cable drum is of hysteresis coupling type to ensure uniform stress on the cable and prevent it from being easily damaged. The AC 380V supplies power to the YZ hoisting and metallurgical motor on the flat car, which drives the trolley to operate. When the KPJ transfer cart is in motion, the cable drum automatically winds up or pays out the cable. Affected by the power supply length of the reel, the maximum operating distance is generally less than 200 ms. This model of electric carrier features a simple and reliable structure, economy, and convenient track construction, making it commonly used in harsh working conditions.

Application scope: Manufacturing industry, metallurgical heavy industry, coal electromechanical and other industries.

KPC Sliding Contact Line Transfer Cart

KPC滑触线电动平车

KPC滑触线电动平车供电方式是：在轨道侧面开设地沟，地沟内安装安全滑触线，地沟上铺有单面用铰链固定于地上的盖板。电动平车运行时通过安装在地沟翻板装置，将盖板掀起，翻板装置内有同安全滑触线集电器联接的电缆。电动平车通过后盖板自动放回地面，能保证无轨车辆顺利通过。KPC滑触线电动平车不受运行距离的限制。

应用范围：模具车间、炼钢车间、水泥厂、制钢工厂、五金加工车间等行业。

The power supply method of KPC sliding contact transfer cart is to open a trench on the side of the rail, install a safety sliding contact line in the trench, and lay a single-sided hinged cover plate on the trench fixed to the ground. During the operation of the electric transfer cart, the cover plate is lifted by installing a flipping device in the trench, and there is a cable connected to the safety sliding contact line collector inside the flipping device. The electric transfer cart automatically returns to the ground through the rear cover plate, ensuring the smooth passage of trackless transfer cart. The KPC sliding contact electric transfer cart is not limited by the running distance.

Application scope: Mold workshop, steelmaking workshop, cement factory, steel making factory, hardware processing workshop and other industries.



技术参数 Technical Parameters

KPT/KPJ/KPC电动轨道平车技术参数表 Technical Parameters Table Of KPT/KPJ/KPC Rail Transfer Cart													
额定载重 Rated Load Capacity (t)		5	10	15	20	30	40	50	60	80	100	150	200
台面尺寸 Table Size(mm)	长 Length	2000	2400	3000	3000	4000	4500	5000	5000	6000	6000	7000	8000
	宽 Width	1300	1500	2000	2000	2200	2200	2500	2500	2500	2500	3000	3000
	高 Height	450	500	550	550	600	600	700	700	800	800	900	900
离地间隙 Ground Clearance (mm)		≥50											
轴 距 Wheelbase (mm)		1300	1600	2000	2000	2700	3000	3300	3300	4000	4000	4800	5500
轨内侧距 Rail Inner Distance (mm)		900	1100	1435	1435	1435	1435	1650	1650	1650	1650	2000	2000
操作方式 Operation Method		无线遥控+线控手柄 Remote Control & Hand Operate Pendant											
运动方式 Move Way		直行，转弯（定制） Forward/backwards, Turning (Customized)											
行走速度 Running Speed (m/min)		25				20							
电机类型 Motor Type		三相异步电机 Three-Phase Asynchronous Motor											
刹车方式 Brake Mode		电磁刹车 Electromagnetic Brake											
防护措施 Protective Measures		声光报警+急停按钮+极限保护+激光避障（选配）+防撞触边（选配） Audible and visual alarm lamp+ Emergency stop button+ Limit switch+Laser obstacle avoidance sensor(Optional)+Anti-collision contact edge(Optional)											
车轮数量 Wheel Quantity		4											8
车轮材质 Wheel Material		ZG55											
驱动轮经 Drive Wheel Diameter (mm)		Φ300	Φ300	Φ350	Φ350	Φ400	Φ400	Φ500	Φ500	Φ600	Φ600 重 Heavy Duty Wheel	Φ700 重 Heavy Duty Wheel	Φ600 重 Heavy Duty Wheel
推荐轨道型号 Recommended Rail Type		P15	P18	P24	P24	P38	P38	P43	P43	QU70	QU70	QU100	QU100
供电方式 Power Supply Mode		三相380V Three-phase 380V											
轨道数量 Rail Quantity		2											
工作环境 Working Environment		温度：-10℃~40℃；湿度：20%~80%，无凝露(定制高温、防爆环境) Temperature: -10°c-40°c; Humidity: 20%-80%, No Condensation(Customized for high-temperature and explosion-proof environments)											
车体颜色 Vehicle Body Color		黄色/蓝色/根据要求定制 Customized											
其它功能 Other Functions		过压、欠压、过流保护 Over Voltage, Under Voltage, Over Current Protection etc											
RGV自动化 Versione Automatica – RGV		搭配自动定位系统、信号接收系统、可编程系统实现RGV自动化搬运功能。 可定制子母车（摆渡车）纵横移动车、弧形轨道车等RGV小车 Combined With An Automatic Positioning System, Signal Reception System, And Programmable System, The Rgv Realizes Automated Handling Functions. Customizable Rgv Carts Such As Mother-Child Carts (Ferry Carts), Vertical-Horizontal Moving Carts, And Curved Track Carts Can Be Provided.											

- 注: 1) 其它轨距、台面尺寸、载重吨位可根据用户需求定制;
- 2) 该型号轨道车可根据需求定制子母车、弧形轨道车、纵横移动车等满足使用需求的特殊车辆;
- 3) 该型号轨道车可接收呼叫盒、上位机指令实现自动化搬运;
- 4) 轨道长度>50M, 需要适当增加降压变压器数量, 弥补轨道压降;
- 5) 产品会不断改进升级, 表内参数可能存在变动。

Notes: 1) Other gauges, table sizes, and load tonnages can be customized according to user requirements.

2) This model of rail trolleys can be customized with special vehicles such as mother-child cars, curved track carts, vertical-horizontal moving carts, etc., to meet specific usage needs.

3) This model of rail trolleys can receive instructions from call boxes and host computers to achieve automated handling.

4) The rail>50m, the number of step-down transformers needs to be appropriately increased to compensate for the voltage drop in the rail.

5) The product is subject to continuous improvement and upgrades; specifications in the table may change without prior notice.



ZP Series Electric Turntable

ZP系列电动转盘车

转盘电动平车能直角90°转弯，是一种能够在轨道交叉部分运行的电动平车。其运行原理是：轨道车运行到转盘车上，手动或自动旋转电动转盘与垂直轨道对接，将轨道电平车沿垂直轨道运行，完成90°转弯，转盘车适用于装备生产线的环形轨道、交叉轨道等场合。

转盘系统具有运行平稳、轨道对接精度高等优点，可以实现全自动控制。操作系统可以使用操作柱，或者无线遥控，也可以使用自动化的中控控制。转盘车可以实现多种供电方式如电缆供电、滑触线供电等。转盘底部装有接近开关，到达减速点会开始减速，到停靠点时能够平稳停止，误差精度在5mm以内。

The electric turntable can turn at a right angle of 90 ° and is a type of electric transfer cart that can operate at the intersection of rails. The operating principle is that the rail trolley runs on the turntable, manually or automatically rotates the electric turntable to connect with the vertical rail, and runs the rail level car along the vertical rail to complete a 90 ° turn. The turntable is suitable for equipment production lines on circular rails, cross rails, and other occasions.

The turntable system has the advantages of smooth operation and high precision in rail docking, and can achieve fully automatic electrical control. The operating system can use an operating column, wireless remote control, or automated central control. The turntable can achieve various power supply methods such as cable power supply, sliding contact wire power supply, etc. The bottom of the turntable is equipped with a proximity switch, which will start decelerating when it reaches the deceleration point and can stop smoothly when it reaches the stopping point, with an error accuracy of within 5mm.



技术参数 Technical Parameters

ZP系列电动转盘技术参数表 Technical Parameters Table Of ZP Electric Turntable									
额定载重 Rated Load Capacity (t)		5	10	15	20	30	40	50	60
台面尺寸 Table Size(mm)	长 Length	2000	2400	3000	3000	4000	4500	5000	5000
	宽 Width	1300	1500	2000	2000	2200	2200	2500	2500
	高 Height	450	500	550	550	600	600	700	700
离地间隙 Ground Clearance (mm)		≥50							
操作方式 Operation Method		无线遥控+线控手柄 Remote Control & Hand Operate Pendant							
行走速度 Running Speed (m/min)		1-1.5							
电机类型 Motor Type		三相异步电机 Three-Phase Asynchronous Motor							
刹车方式 Brake Mode		电磁刹车 Electromagnetic Brake							
防护措施 Protective Measures		声光报警+急停按钮+极限保护 Audible and visual alarm lamp+ Emergency stop button+Limit switch							
车轮数量 Wheel Quantity		4							
车轮材质 Wheel Material		ZG55							
驱动轮经 Drive Wheel Diameter (mm)		Φ300	Φ300	Φ350	Φ350	Φ400	Φ400	Φ500	Φ500
台面轨道型号 Tabletop Rail Model		P15	P18	P24	P24	P38	P38	P43	P43
台面轨道内轨距 Tabletop Rail Inner Distance (mm)		900	1100	1435	1435	1435	1435	1650	1650
供电方式 Power Supply Mode		三相380V Three-phase 380V							
旋转角度 Rotation Angle (°)		±90							
工作环境 Working Environment		温度：-10℃~40℃；湿度：20%~80%，无凝露(定制高温、防爆环境) Temperature: -10℃-40℃; Humidity: 20%-80%, No Condensation(Customized for high-temperature and explosion-proof environments)							
车体颜色 Vehicle Body Color		黄色/蓝色/根据要求定制 Customized							
其它功能 Other Functions		过压、欠压、过流保护 Over Voltage, Under Voltage, Over Current Protection etc							
RGV自动化 Versione Automatica – RGV		按需定制 Customized							

- 注：
- 1) 其它台面尺寸、载重吨位、旋转角度可根据用户需求定制；
 - 2) 台面轨道尺寸及轨距可根据客户要求定制；
 - 3) 该转盘系列可接收上位机指令配合RGV实现自动化转运；
 - 4) 产品会不断改进升级，表内参数可能存在变动

- Notes:
- 1) Other tabletop dimensions, load tonnage, and rotation angles can be customized according to user requirements;
 - 2) Tabletop rail dimensions and gauge can be customized as per customer requirements;
 - 3) This turntable series can receive instructions from the host computer to coordinate with RGV for automated transportation.
 - 4) The product is subject to continuous improvement and upgrades; specifications in the table may change without prior notice.



Non-Powered Transport Cart Series

无动力转运车系列

RWT Trackless Trailers

• RWT无轨拖车

RWT无轨拖车是一种无自主动力的物流运输工具，通过牵引车或叉车拖动，在地面上直接移动，主要用于工业、港口等厂区内重型设备的短途转运。

The RWT trackless trailer is a non-self-propelled logistics transportation tool, towed by a tractor or forklift for direct movement on the ground. It is primarily used for short-distance transfer of heavy equipment in industrial zones, ports, and other factory areas.

KP Rail Trailers

• KP轨道拖车 •

KP轨道拖车是在轨道上移动的一种无动力平车，需要人力或者牵引设备给予动力。可以与电动轨道平车搭配使用，或者作为牵引源。

The KP rail trailer is a power-free flatcar moving on rails, requiring manual force or traction equipment for power. It can be used in conjunction with electric rail flatcars or serve as a traction source.



技术参数 Technical Parameters

RWT无轨拖车技术参数表 Technical Parameters Table Of RWT Trackless Trailer						
额定载重 Rated Load Capacity (t)	5	10	15	20	30	40
台面尺寸 Table Size(mm)	长 Length	2500	3000	3500	4000	4500
	宽 Width	1600	2000	2000	2200	2200
	高 Height	600	650	700	700	850
操作方式 Operation Method	被动牵引 Passive Traction					
行走速度 Running Speed (m/min)	≤5					
车轮数量 Wheel Quantity	4	4	8	8	8	12
车轮直径 Wheel Diameter (mm)	Φ435×150	Φ400×200	Φ457×203	Φ457×229	Φ559×254	Φ559×254
车轮材质 Wheel Material	实心橡胶 Solid Rubber					
车体颜色 Vehicle Body Color	黄色/蓝色/根据要求定制 Customized					

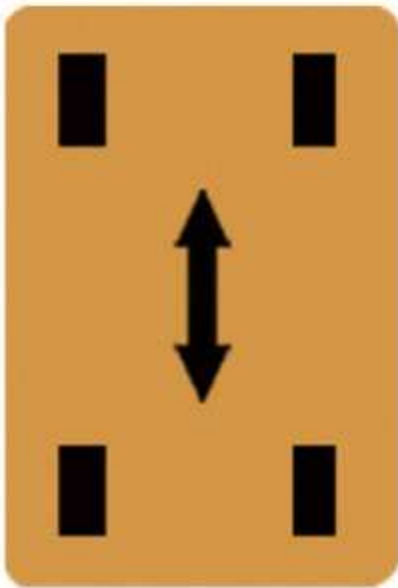
注：
1) 其它台面尺寸、载重吨位可根据用户需求定制；
2) 产品会不断改进升级，表内参数可能存在变动。

Notes:
1) Other table sizes and load capacities can be customized according to user requirements.
2) The product is subject to continuous improvement and upgrades; specifications in the table may change without prior notice.

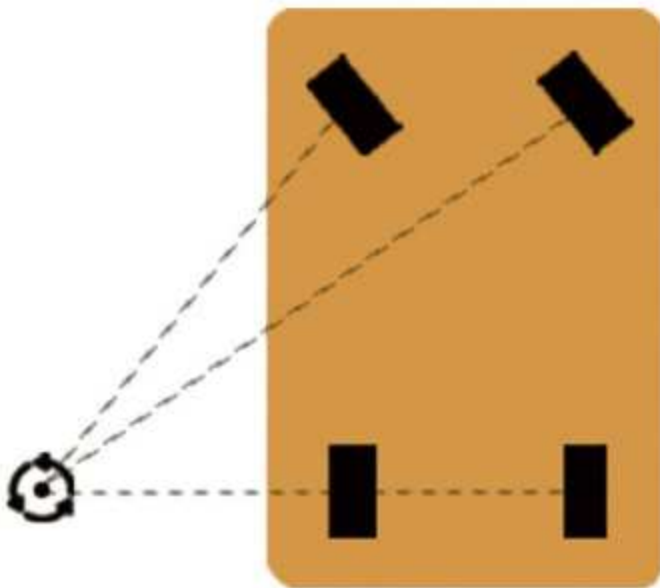
WHEEL STEERING
车轮转向

液压车轮转向 Hydraulic Steering Transfer Cart

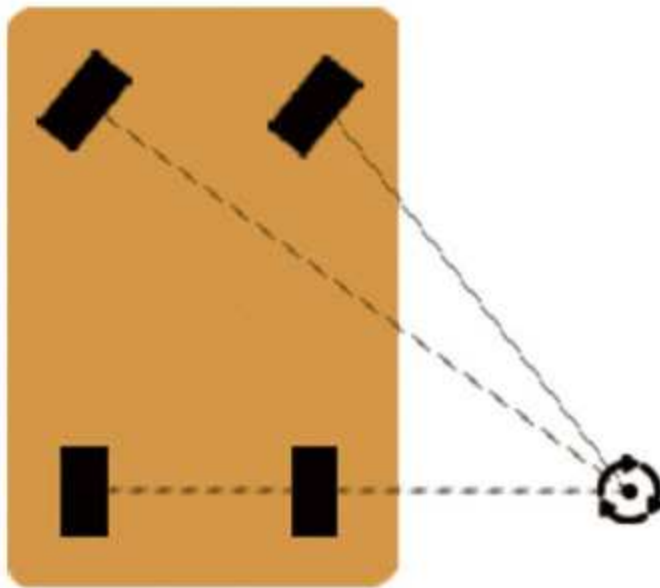
单液压 Single Hydraulic



前进后退
Forward and backward

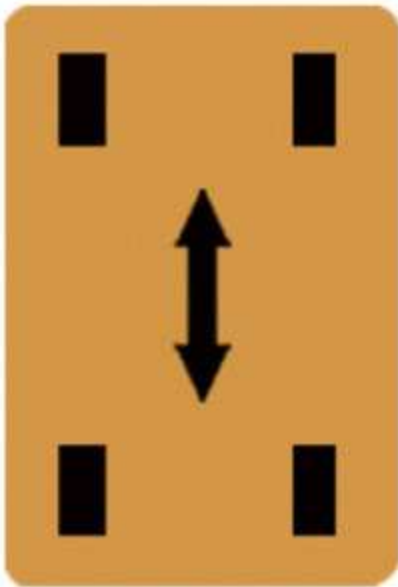


左转
Turn left

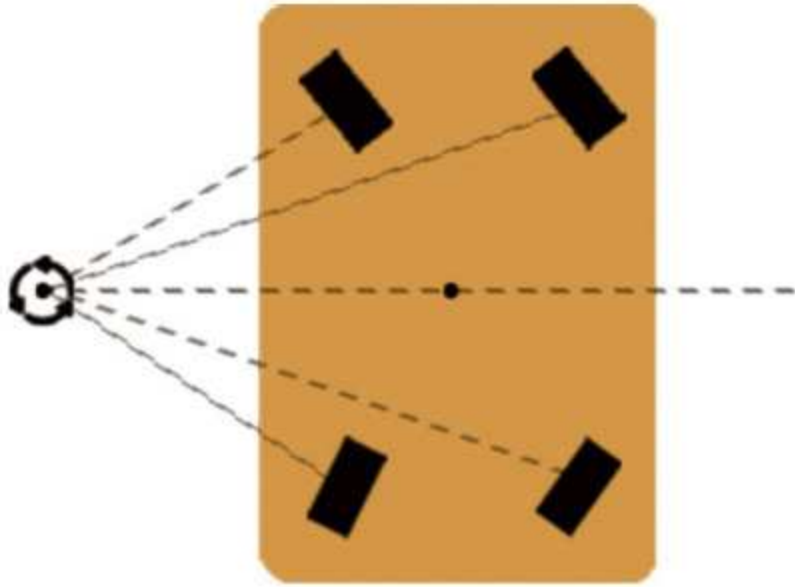


右转
Turn right

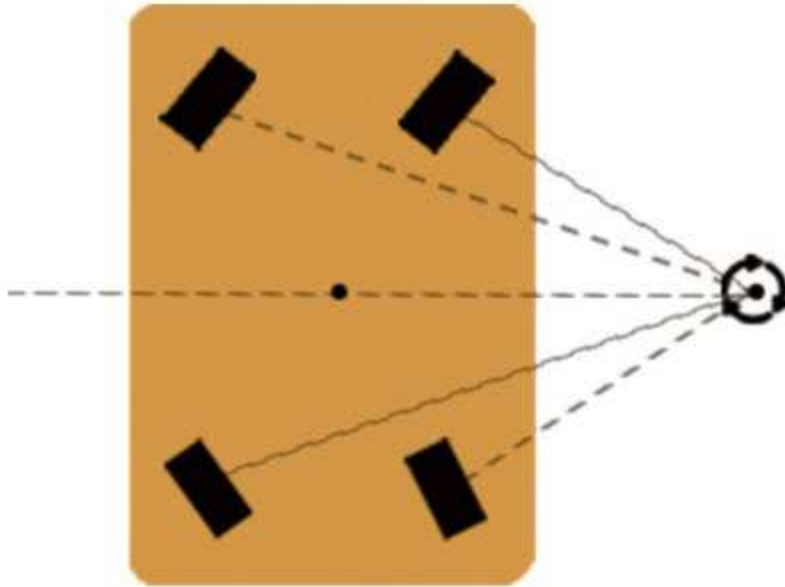
双液压 Dual Hydraulic



前进后退
Forward and backward

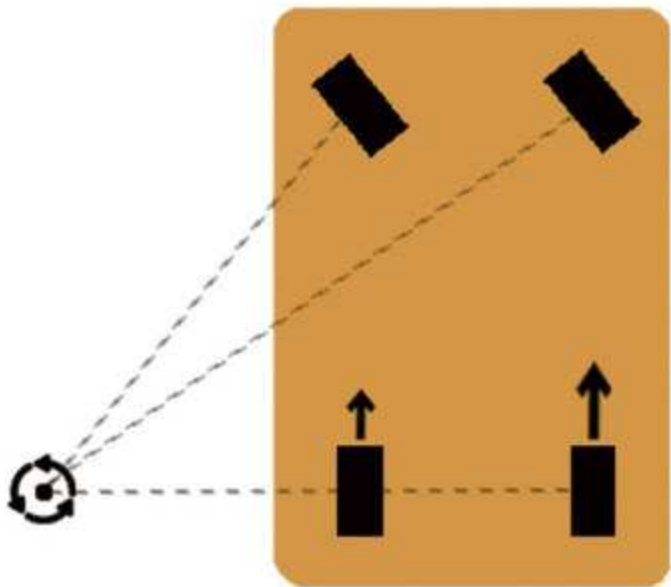


左转
Turn left

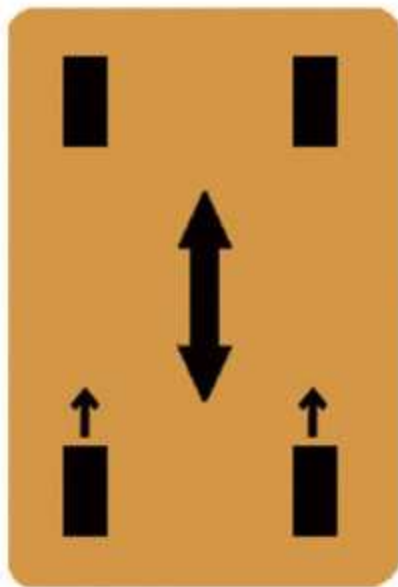


右转
Turn right

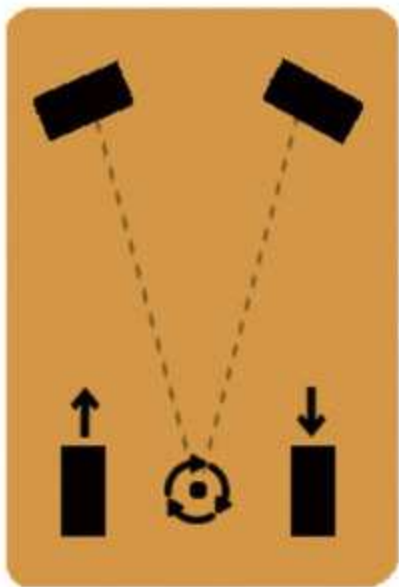
差速车轮转向 Differential Steering Transfer Cart



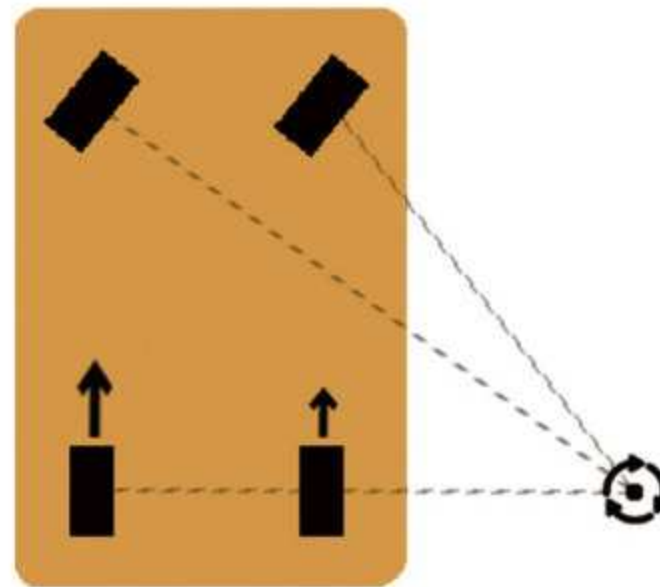
左转
Turn left



前进后退
Forward and backward

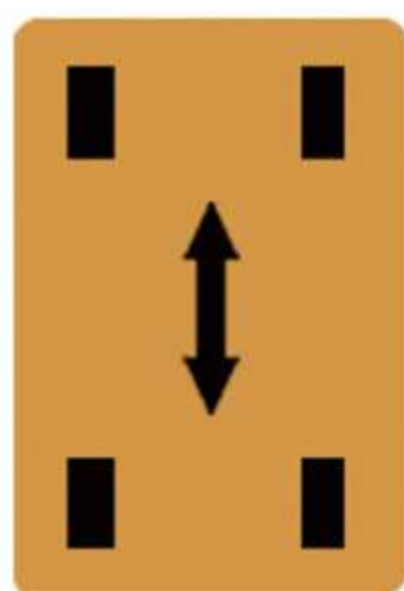


原地旋转
Rotate in place

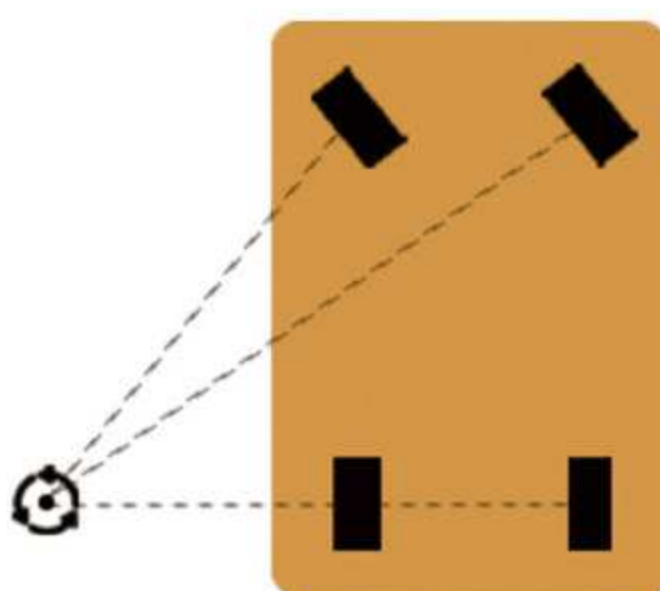


右转
Turn right

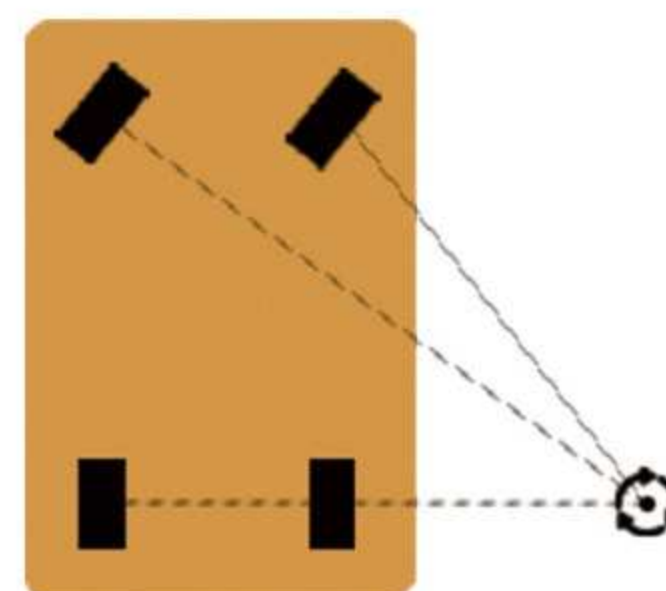
全向车轮转向 Omni-Wheel Steering Transfer Cart



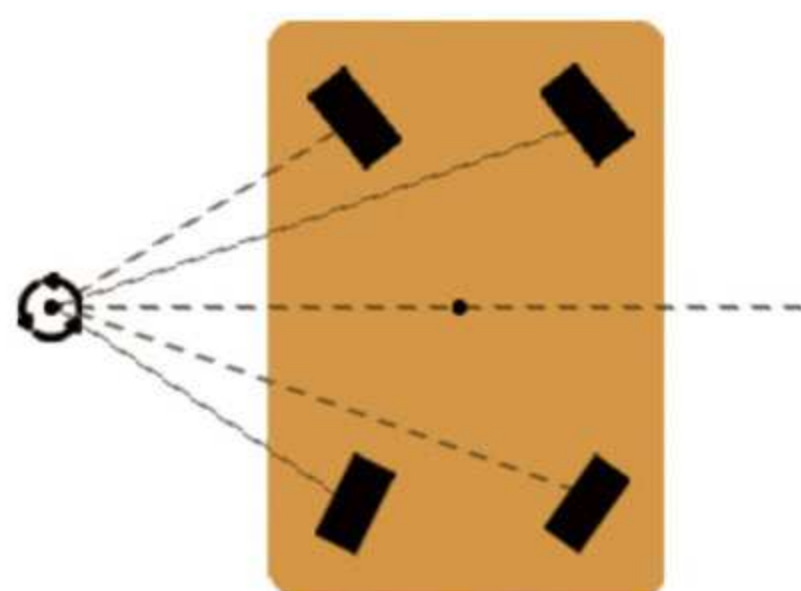
前进后退
Forward and backward



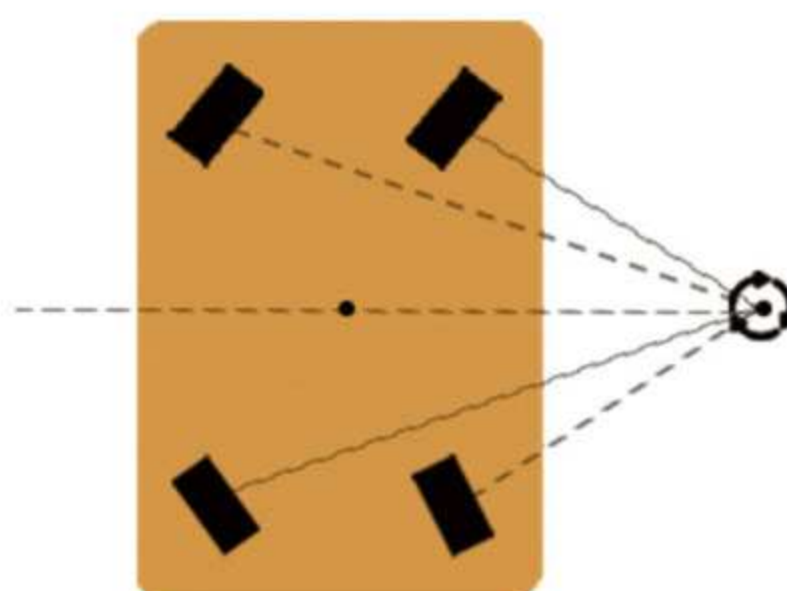
前轮左转
Turn left on the front wheel



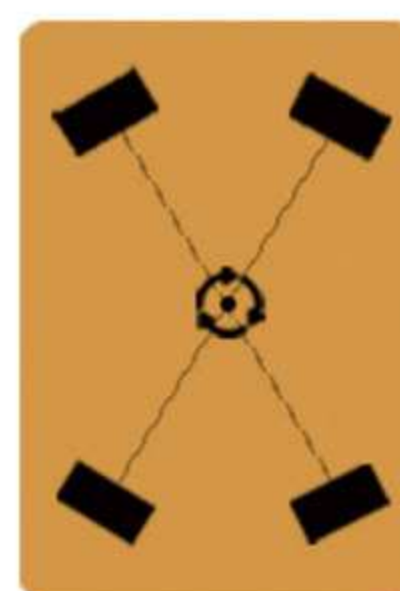
前轮右转
Turn right on the front wheel



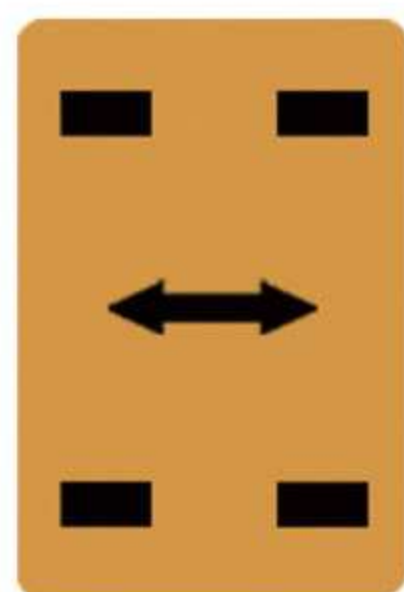
四轮左转
Turn left on all four wheels



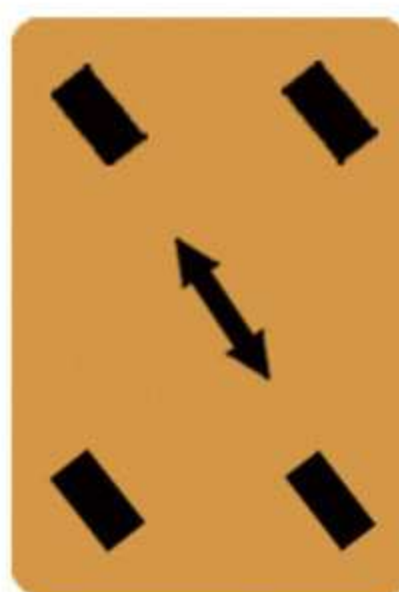
四轮右转
Turn right on all four wheels



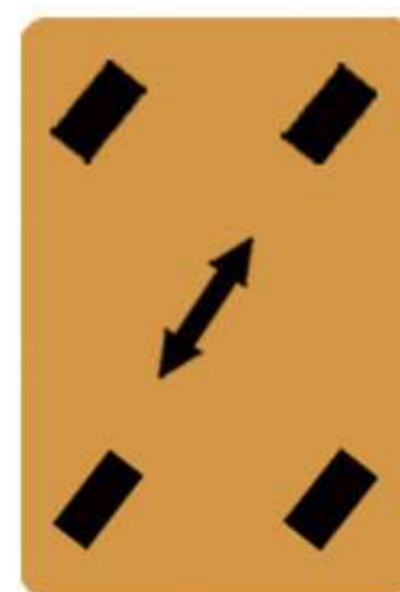
原地旋转
Rotate in place



横向行驶
Lateral driving

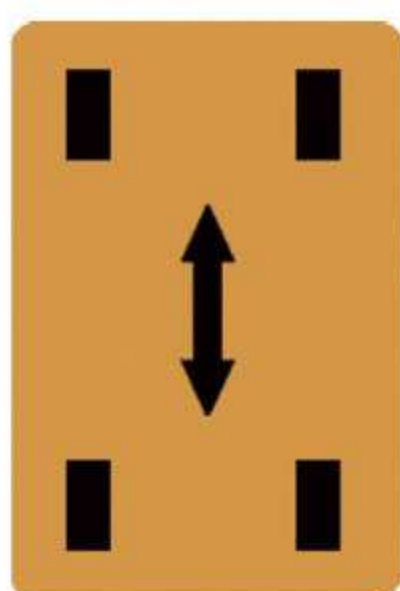


斜向行驶
Traveling diagonally

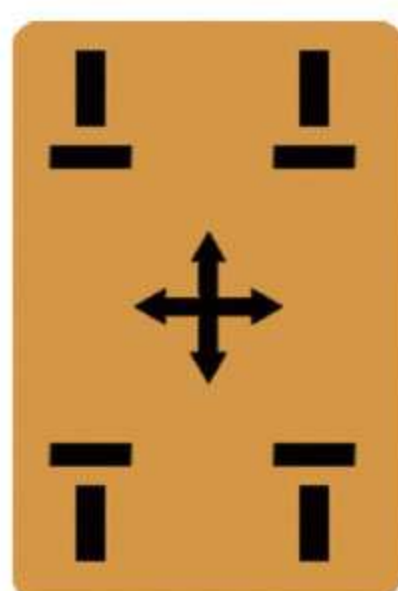


斜向行驶
Traveling diagonally

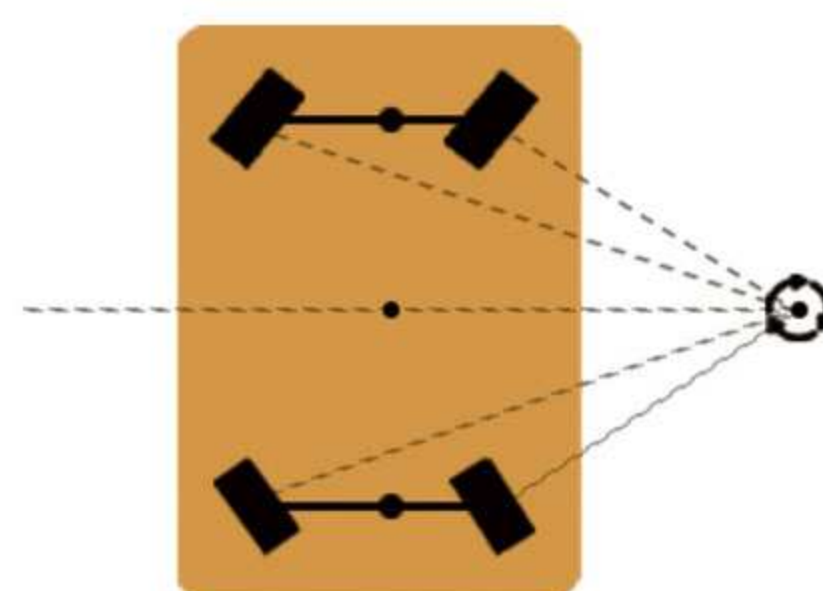
轨道车轮转向 Rail Steering Transfer Cart



前进后退
Forward and backward



纵横轨道移动
Vertical and horizontal track movement



弧形/S形轨道
Curved/S-shaped track

CUSTOMIZATION AND SELECTION 定制和选配

多种操作模式 Multiple operating modes



电脑
Computer



手机
Mobile Phone



平板电脑
IPAD



无线遥控器
Wireless controller



无线遥控器
Wireless controller



有线手柄
Wired handle

防护措施 Protective measure



警示灯
Warning light



急停按钮
Scram button



自动避障
Automatic obstacle avoidance



防撞触边
Anti-collision contact edge



防撞块
Bumper block



紧绳器
Rope tightener



测位装置
Position measuring device

工装定制 Tooling customization



升降
Go up and down



支架
Support



马鞍座
Saddle seat



托盘
Tray



机械臂
Robotic arm



夹紧
Clamp



车载轨道
Vehicle track



称重系统
Weighing system



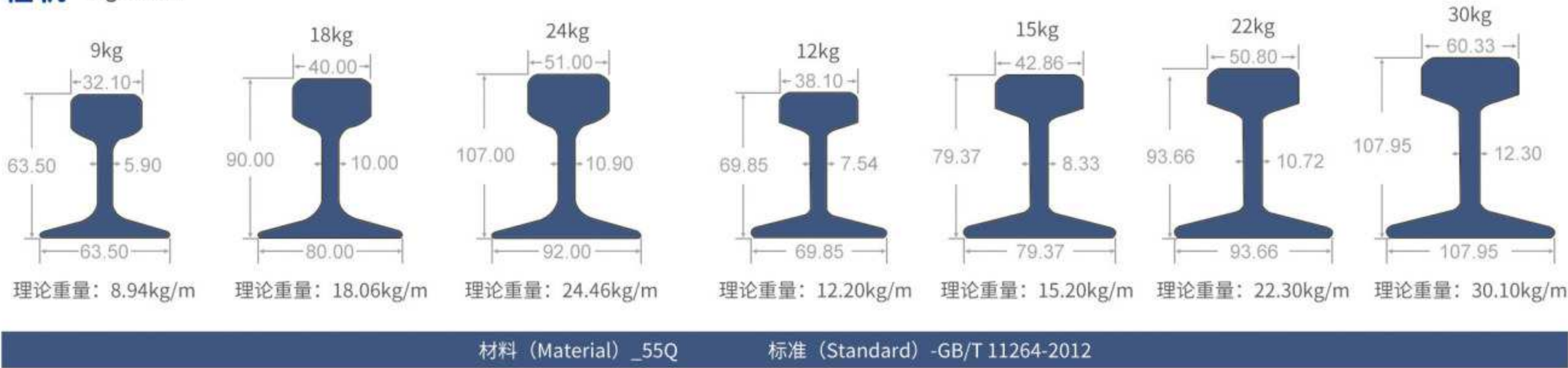
滚筒输送带
Roller conveyor belt



牵引装置
Traction device

RAIL CLASSIFICATION AND LOAD BEARING
轨道分类和承重

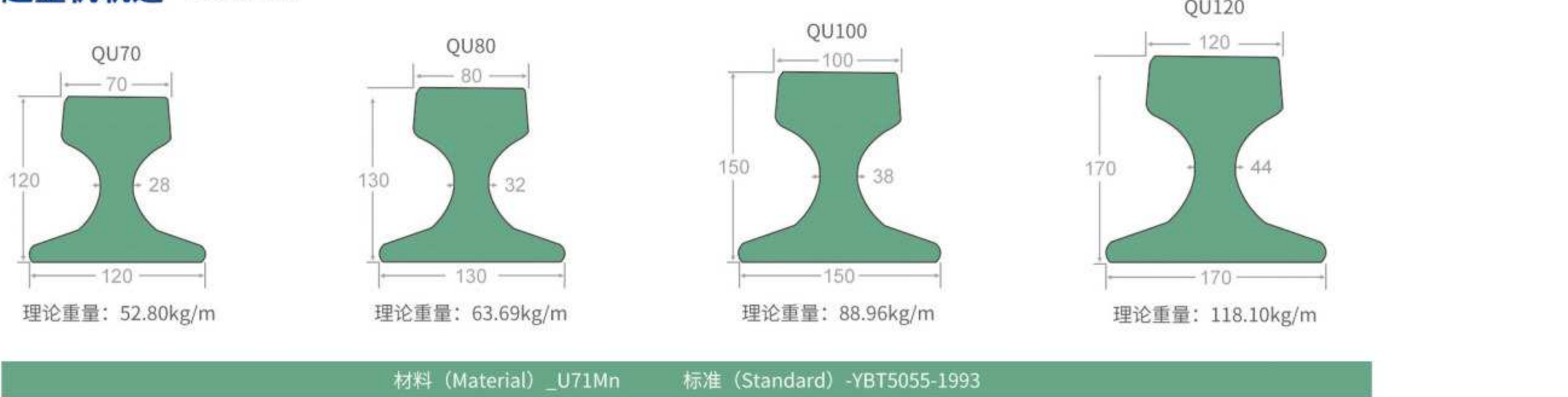
轻轨 Light rail



铁路钢轨 Railway rails



起重机轨道 Crane rail



国外轨道 Foreign standard rail



全球搬运征程

工业运输解决方案的全球化赋能之路

我们聚焦全球工业搬运领域，以定制化解决方案赋能企业产业升级，助力客户实现产业增长、提高生产灵活性、确保安全性，实现效能革新。目前，我们已向30多个国家和地区提供不同类型的电动搬运车和系统性运输解决方案，业务版图仍在全球产业升级浪潮中持续拓展。

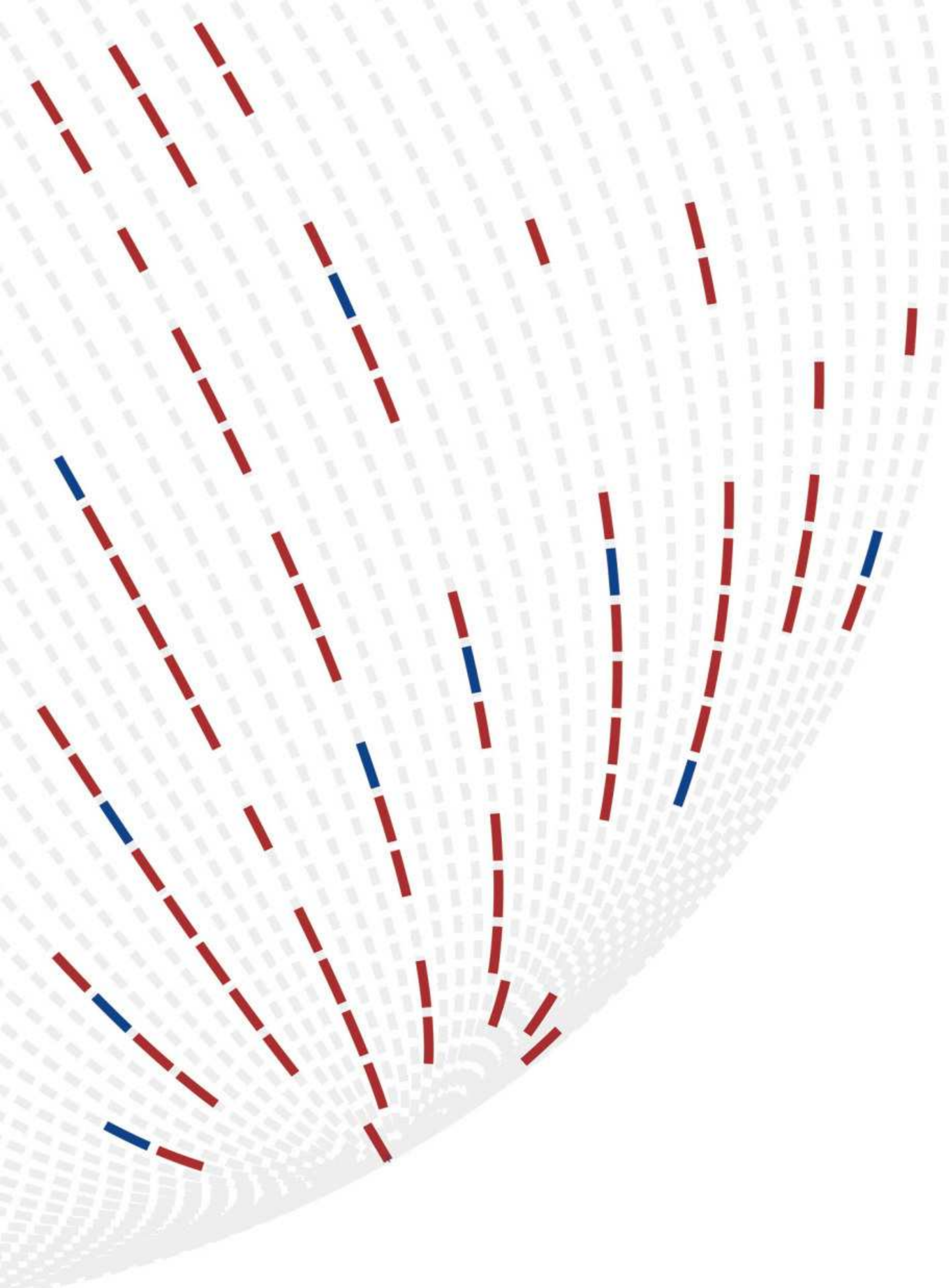


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The Global Empowerment Path of Industrial Transportation Solutions

We focus on the global industrial material handling sector, empowering enterprise industrial upgrading with customized solutions to help clients achieve industrial growth, enhance production flexibility, ensure safety, and realize efficiency innovation. Currently, we have provided different types of electric transfer carts and systematic transportation solutions to more than 30 countries and regions, and our business landscape continues to expand in the wave of global industrial upgrading.





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