



Latent Lifting AMR for
Smart Factories & Warehouses



YK-1000-L AMR

1000 kg Rated Load

额定负载 1000kg

8 h Operating Time

额定工况续航8h

QR Code / Laser Navigation

二维码/激光导航

Flexible Motion

双轮差速柔性运动

Multi-level Safety Protection

多重安全防护



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Features

功能特性

- **Autonomous Positioning & Navigation:** Utilizes inertial navigation, QR code-based navigation, and other technologies to achieve precise positioning.
自主定位导航:采用惯性导航、二维码导航等技术实现精确定位。
- **Flexible Motion Control:** Adopts dual-wheel differential drive, supporting forward, backward, rotation and other motion controls, with smooth and gentle movement.
柔性运动控制:采用双轮差速驱动,支持前进、后退、旋转等运动控制,运动过程平滑柔顺。
- **Smart Power Management:** Supports multi-level battery threshold control; automatically recharges when battery is low, and autonomously returns to work after charging is complete.
智能电源管理:支持多等级电量阈值控制,低电量时自主充电,完成充电后自主返回工作。
- **Multi-Level Safety Protection:** Equipped with forward laser obstacle avoidance, collision detection, emergency stop button, and other multi-tier safety features, ensuring safe and reliable motion control.
多重安全防护:前置激光避障,碰撞检测,急停按钮等多级安全防护,实现安全可靠的运动控制。
- **User-Friendly HMI:** Supports touch screen and audible/visual alarms to indicate device status.
人机交互友好:支持触摸屏、声光告警提示设备状态。
- **Heavy Load Handling:** Supports lifting, transporting, rotating, and lowering of goods up to 1000 kg.
大型货物搬运:支持 1000kg 货物举升、搬运、旋转、下放。
- **Wireless Network Communication:** Supports Wi-Fi communication and seamless roaming, enabling obstacle-free operation within network coverage areas.
无线网络通信:支持 WIFI 网络通信和无缝漫游,网络覆盖区域无障碍运行。



Technical Parameters

技术参数

Model / 型号		YK-1000-L
Overall Parameters / 整机参数		
Overall Dimension (L*W*H) 外形尺寸(长L*宽W*高H)	1150*820*254(mm)	
Rotation Diameter 旋转直径	1200(mm)	
Self Weight 自重	172(kg)	
Rated Load 额定负载	1000(kg)	
Actuator / 执行机构		
Lifting Height 举升高度	60 (mm)	
Lifting Speed 举升速度	20 (mm/s)	
Lifting Mechanism Type 举升机构类型	Electric / 电动	
Lifting Platform Size (L*W) 举升台面尺寸(长L*宽W)	1030*770(mm)	
Chassis Parameters / 底盘参数		
Ground Clearance k1 底盘离地间隙 k1	25 (mm)	
Drive Mode 驱动方式	Differential drive / 差速驱动	
Motion Performance / 运动性能		
Rated Travel Speed (No Load) 额定运行速度(空载)	2 (m/s)	
Rated Travel Speed (Rated Load) 额定运行速度(额定负载)	1.8 (m/s)	
Rated Acceleration (No Load) 额定加速度(空载)	1(m/s²)	
Rated Acceleration (Rated Load) 额定加速度(额定负载)	0.5(m/s²)	
Rotation Speed (No Load) 旋转速度(空载)	200(°/s)	
Rotation Speed (Rated Load) 旋转速度(额定负载)	100(°/s)	
Positioning Accuracy 位置精度	±10 (mm)	
Angular Accuracy 角度精度	±1 (°)	
Gradeability 爬坡度	3 (°)	

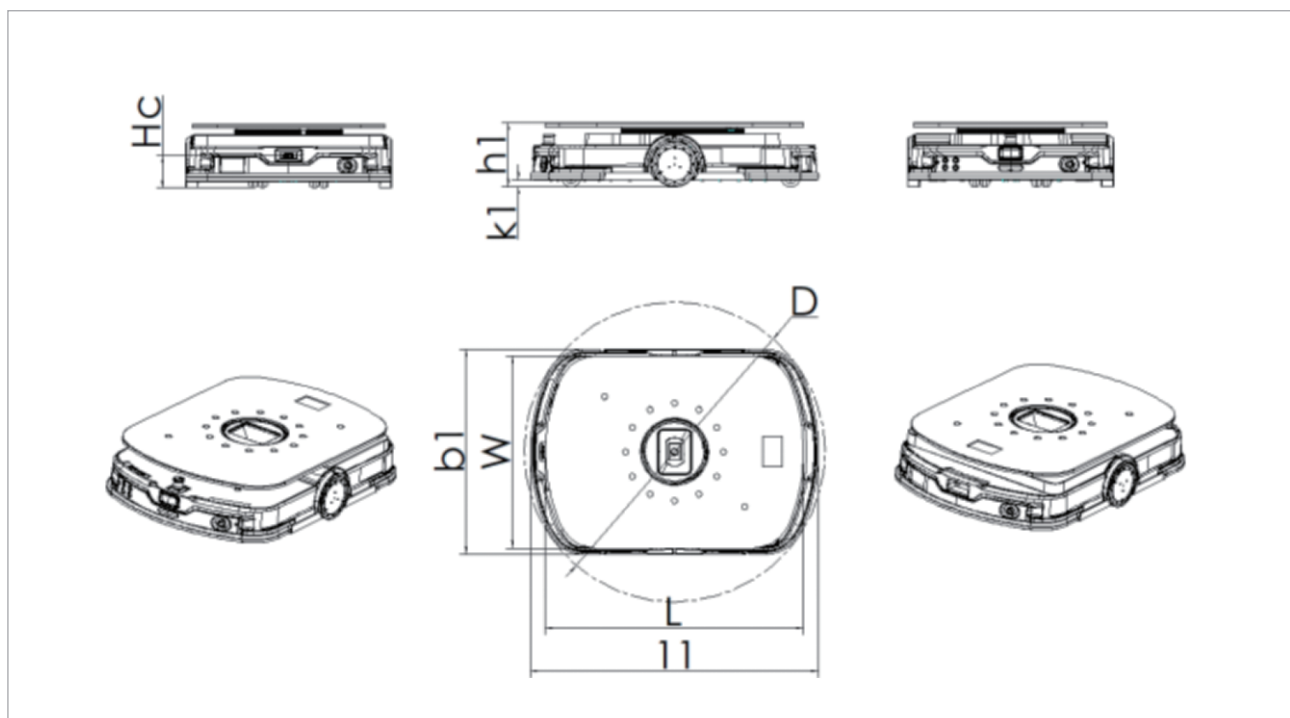
Technical Parameters

技术参数

Model / 型号	YK-1000-L
Safety Protection / 安全防护	
Obstacle Avoidance Sensor - Forward 避障传感器-前向	Laser / 激光
Bumper Strip Type 碰撞条类型	Pneumatic / 气动
Bumper Strip Position 碰撞条位置	Front / Rear/ 前置 / 后置
Emergency Stop Button 急停按钮	Supported/ 支持
Audible & Visual Alarm 声光告警	Supported/ 支持
Navigation & Localization / 导航定位	
Navigation Method 导航方式	
Power System / 动力系统	
Battery Type 电池类型	LiFePO ₄ / 磷酸铁锂
Rated Voltage 额定电压	48(V)
Charge/Discharge Cycle Life 充放电循环次数	1500
Rated Operating Time 额定工况运行时间	8(h)
Charging Time after Full Discharge 完全放电后充电时长	≤1.5(h)

Overall dimensions

外形尺寸



Recommended accessories

配件推荐

Embedded integrated charger for AMR
潜伏集成式充电桩

