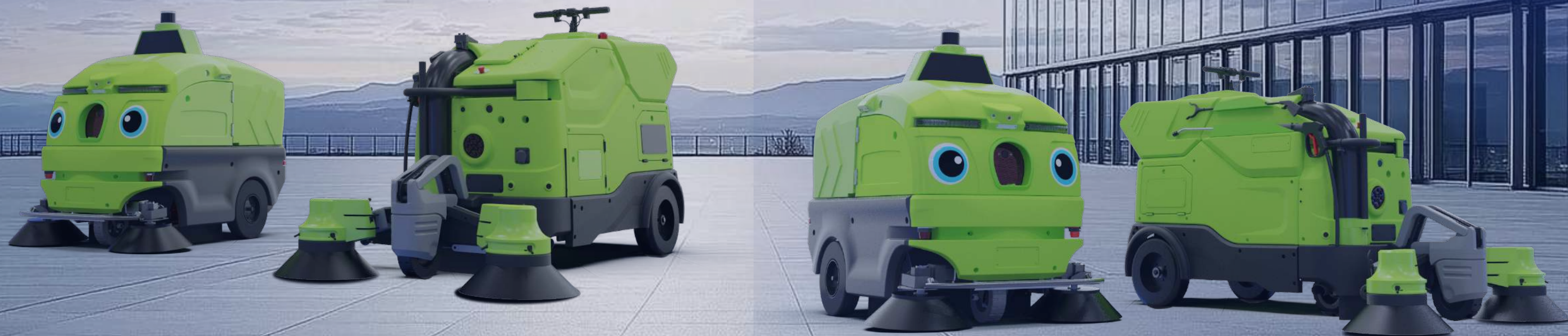


ShenZhen Yunjie Technology Co., Ltd

Company Introduction



ShenZhen Yunjie Technology Co., Ltd

Address: 401, Block B, Shanshui Building, Nanshan Yungu Innovation Industrial Park, No. 4093 Liuxian Road, Nanshan District, Shenzhen, Guangdong

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About Us

Shenzhen Yunjie Technology Co. Ltd. is a high-tech enterprise specializing in R&D and manufacturing of commercial cleaning robots. We focus exclusively on smart sanitation solutions for large outdoor areas, addressing industry pain points like occupational hazards and heavy workloads. Our integrated AI-powered cloud platform delivers efficient, intelligent, and low-carbon cleaning ecosystems.

The core team—comprising experts from HKUST, HIT, and other prestigious institutions—possesses full-stack R&D capabilities spanning algorithms, software, hardware, and mechanical design. This expertise is backed by multiple patented technologies.

With 300+ global deployments across commercial, industrial, agricultural, campus, and park settings, our proven solutions consistently receive client acclaim and strategic partnerships with industry leaders.



we have yet...

60⁺ Certificates of Patents

6 Certificates of Industry Associations

3 Certificates of ISO Management System

14⁺ Certificates of Honor



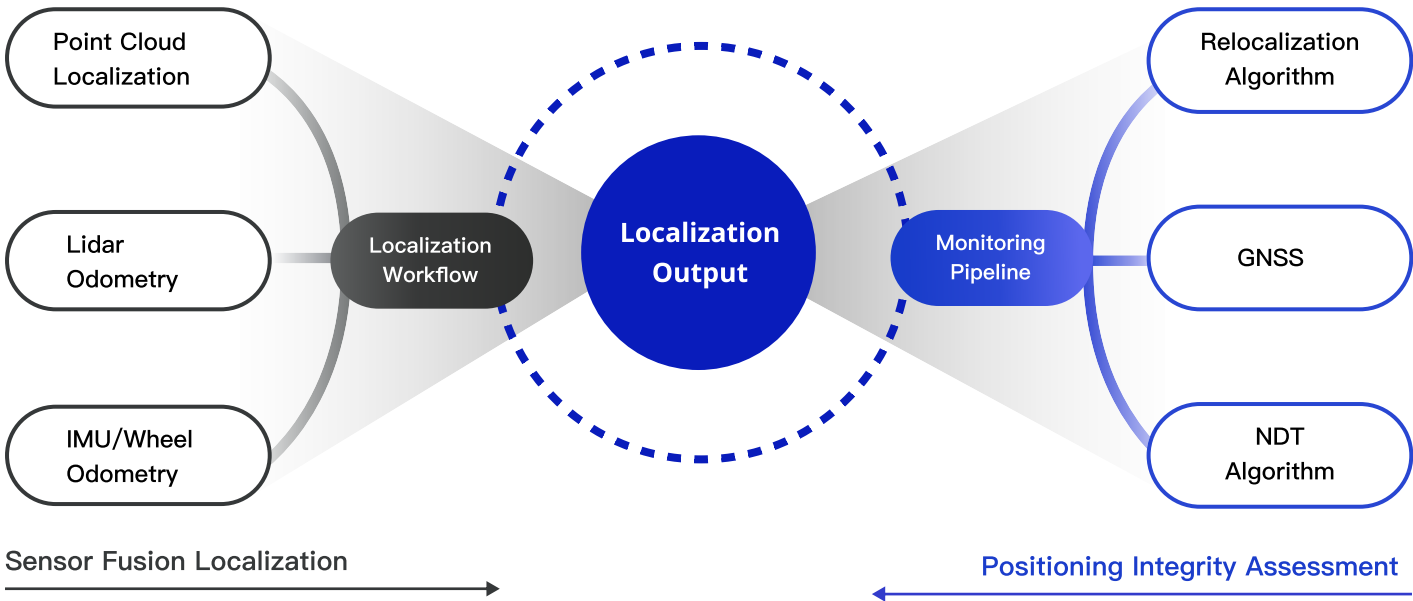
Core Technology

Our battlefield-proven localization achieves centimeter precision where others fail. By fusing LiDAR, IMU, and proprietary algorithms, it navigates urban jungles, subterranean labyrinths, and signal-dead zones with unwavering accuracy — redefining reliability in mission-critical cleaning operations.

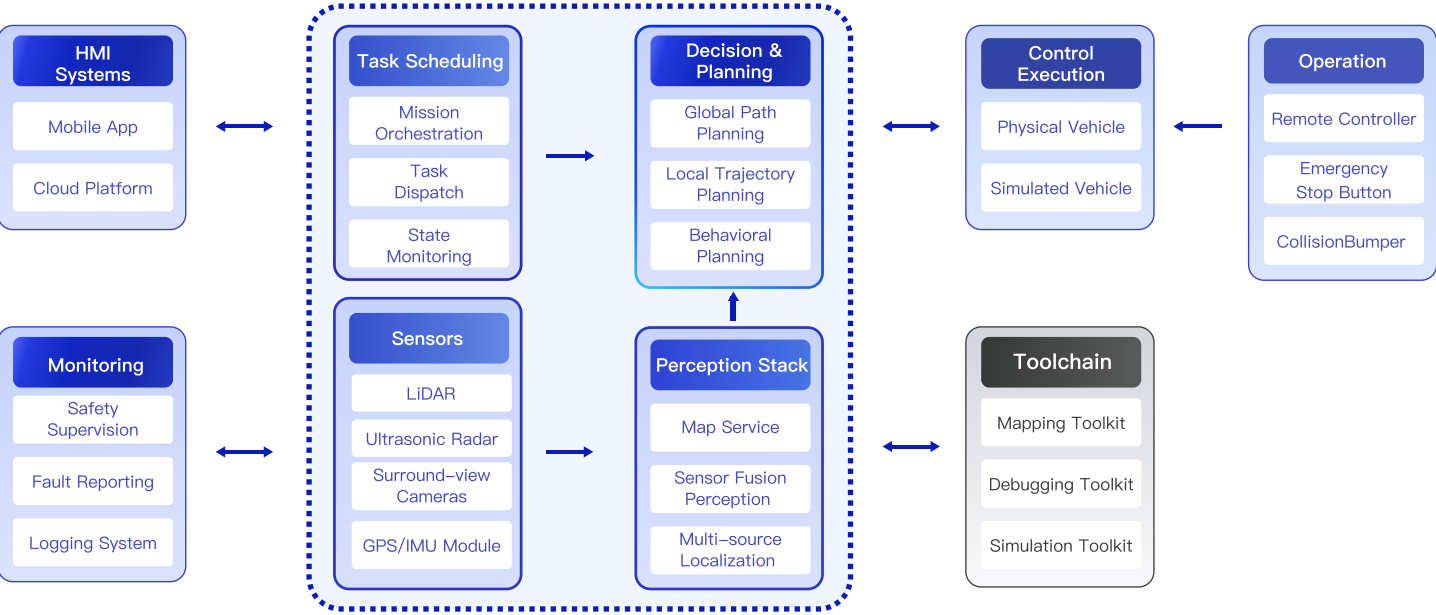
100% Proprietary Positioning Algorithm :

- Dual LiDAR localization accuracy: $\pm 5\text{cm}$
- Concurrent positioning + verification workflows ensure precision & efficiency
- GPS monitoring protocol: Auto-disables under weak/no signal conditions

Multi-sensor fusion algorithm



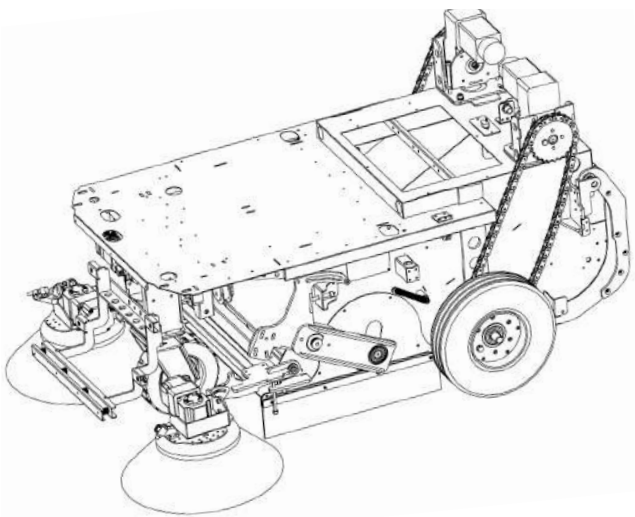
Software



Hardware

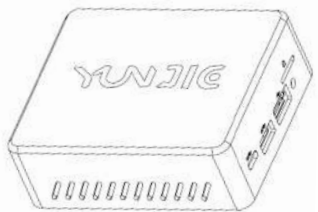
Stability-optimized chassis

Stability-optimized chassis with **self-healing diagnostics**



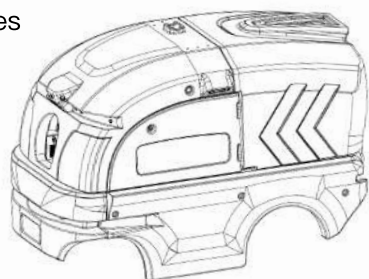
Sovereign AI algorithms

Sovereign AI algorithms **eliminating third-party dependencies**



Eco-armored

Eco-armored enclosures rated for **20,000+ operational hours**



Product Line

The cleaning industry grapples with labor scarcity, costly turnover, physically taxing workloads, and hazardous environments. This drives demand for workforce stability, cost reduction, standardized efficiency, human–robot collaboration, enhanced welfare, and intelligent transformation.

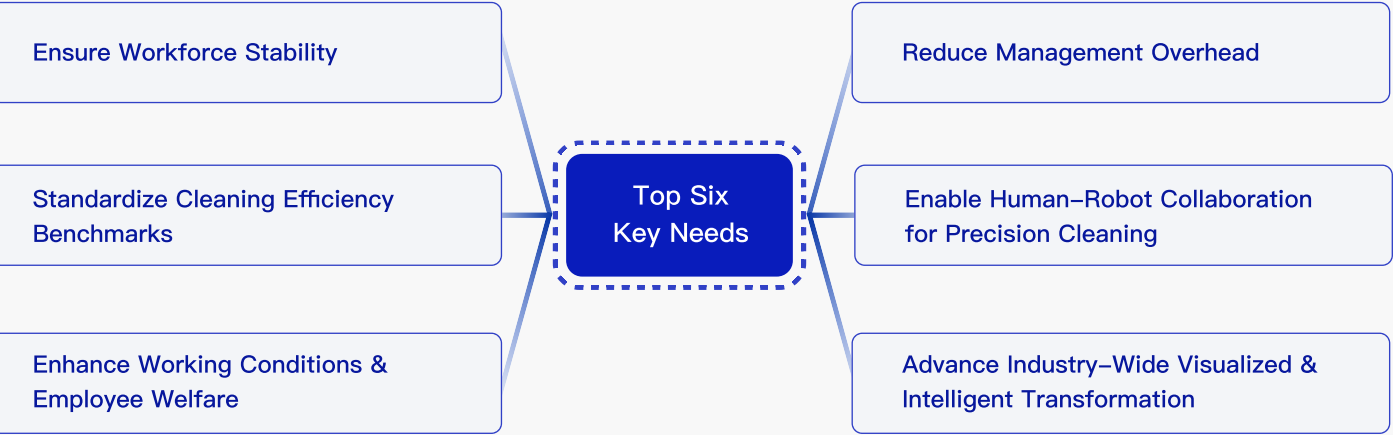
Yunjie Technology have solution with our Outdoor Sweeping Series

- Auto Sweeper YJ130: Full automation for large–area operations, reducing manual labor physically taxing workloads,
- Ominclean YJ80: Full cleaning function for large–area operations, Standardize Cleaning Efficiency Benchmarks,Enable Human–Robot Collaboration for Precision Cleaning
- Cloud–Mop YJ40: Full automation for large–area mopping, Enhance Working Conditions & Employee Welfare
- AI powered Platform : Cuts management costs by 30%+ through real–time oversight

Painpoints

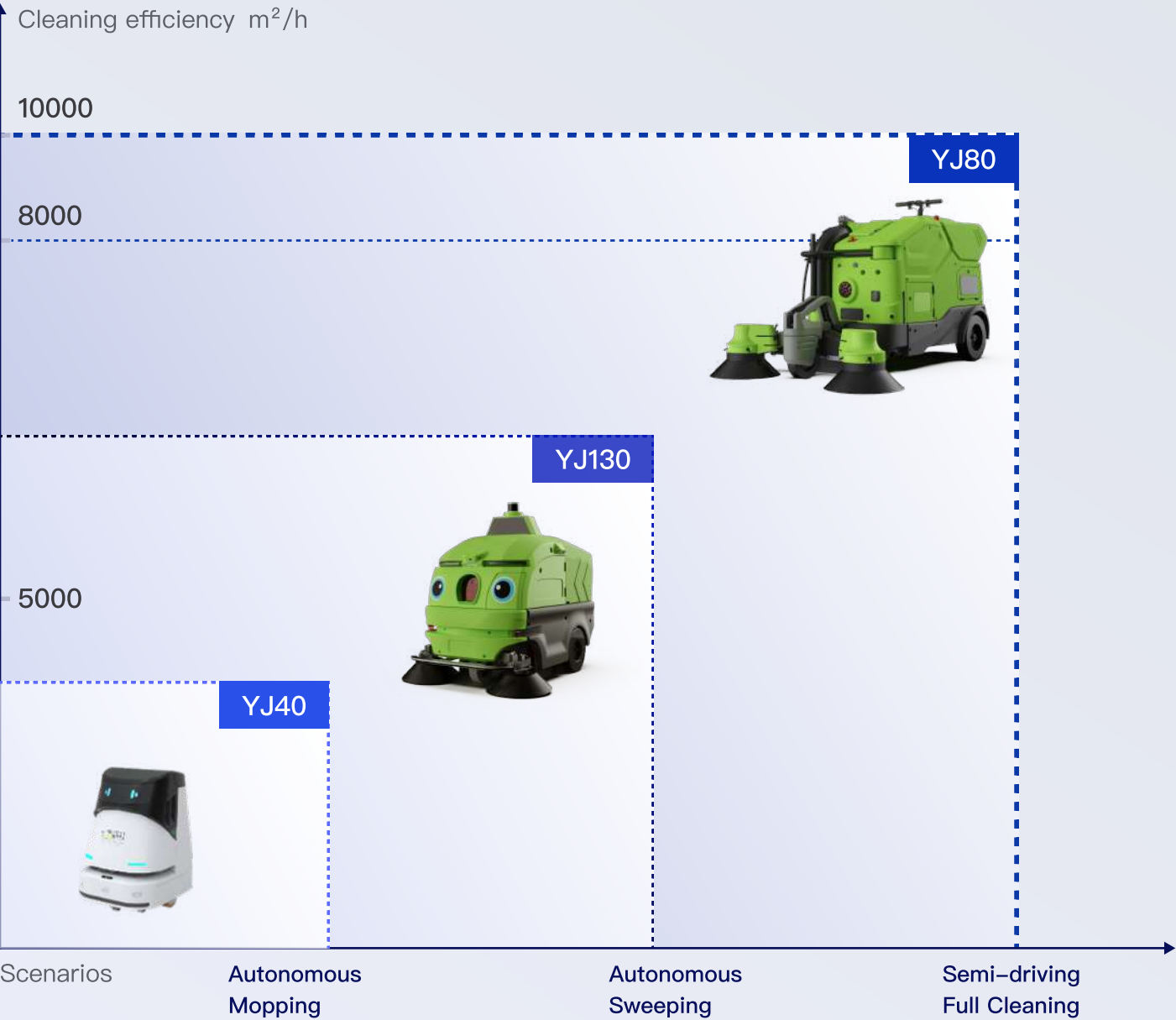


Demands



Product Line

All–Scenario Solution



Greendorph Auto sweeper –YJ130

Autonomous driving Sweeper , 6–8hours working time for large–area operations

Greendorph Ominclean– YJ80

Full cleaning function for large–area operations, Sweep, vacuum, wash, blow ,spray all in one , Enable Human–Robot Collaboration for Precision Cleaning

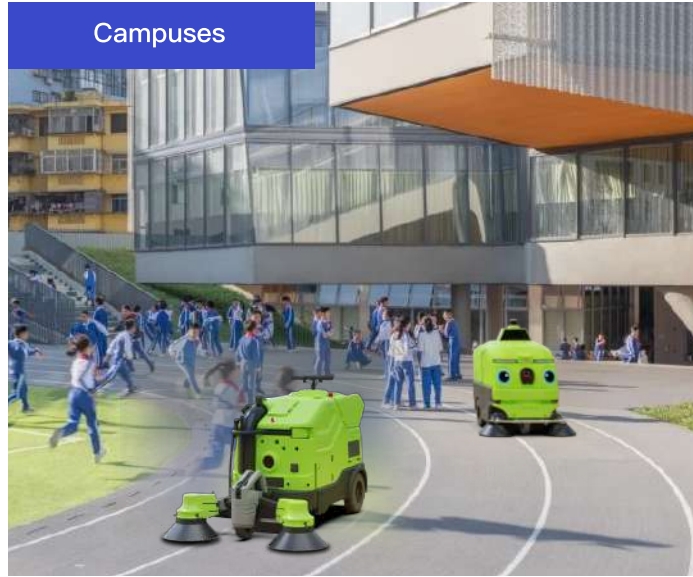
Greendorph Cloud–Mop YJ40

Cloud–Mop YJ40: Full automation for middle and large–area mopping, automatic change wipes improve at least 40% Working efficinecy & Employee Welfare

Usage Scenarios

Adaptable to various terrains

Campuses



Industrial parks



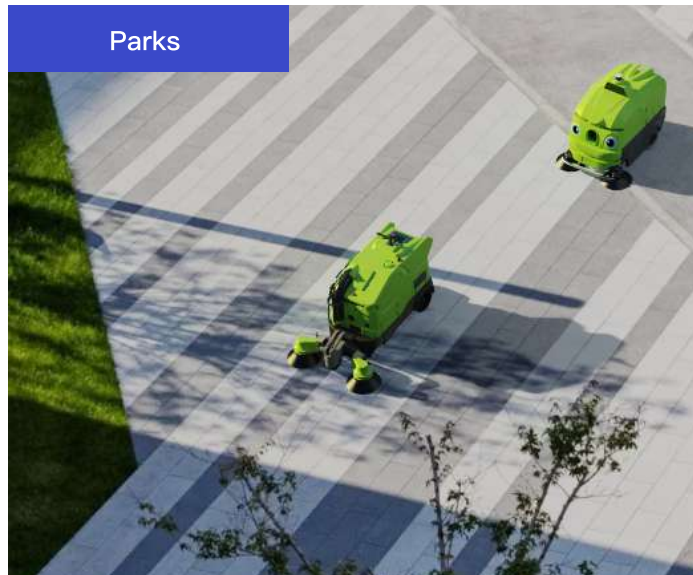
Warehouse



Transportation hubs



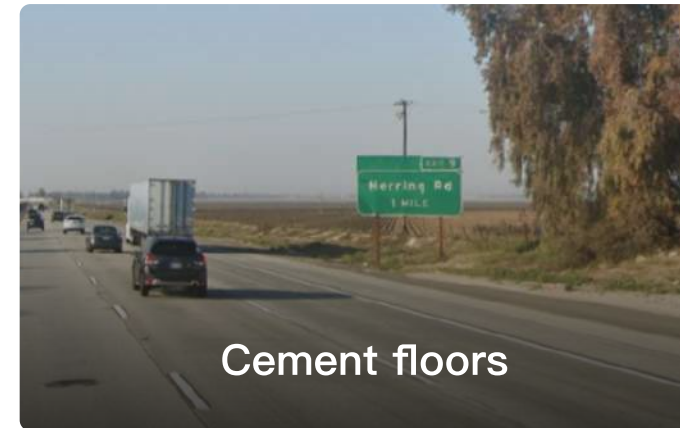
Parks



Residential areas



Cement floors



Asphalt



Terrazzo



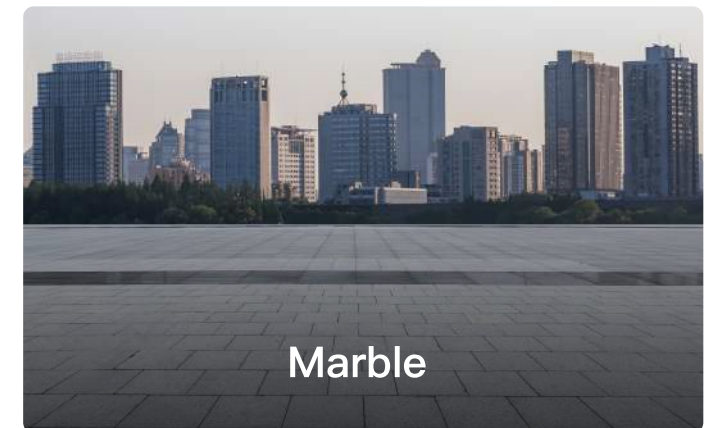
Epoxy floor



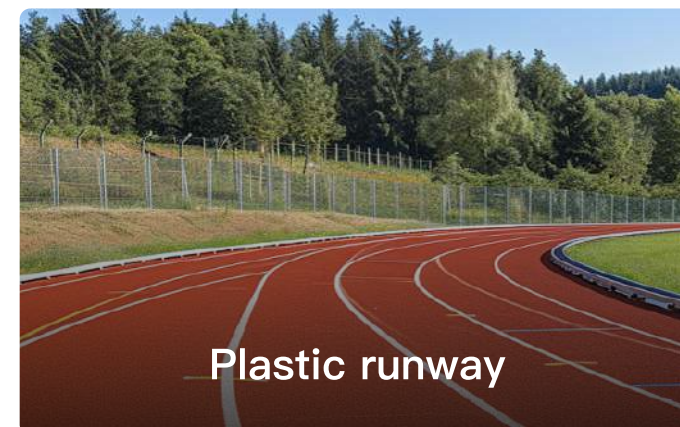
Small square bricks



Marble



Plastic runway



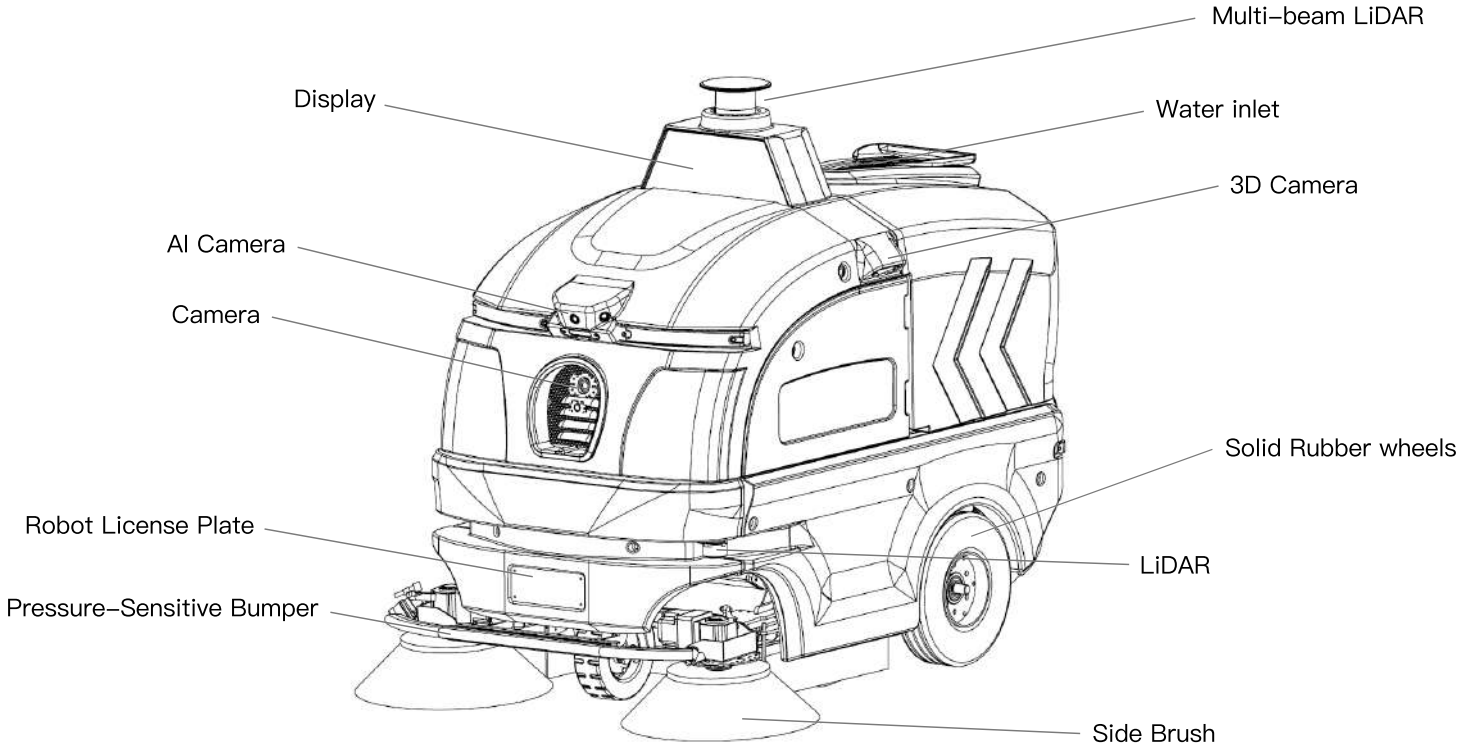
Cobblestone floor





The Greendorph Auto sweeper YJ130 is a fully autonomous outdoor sweeper featuring a primary cleaning system enhanced by three auxiliary functions: suction, airflow-assist, and misting spray. Delivering over 95% cleaning efficiency, it operates continuously for 6–8 hours – ideal for large–area outdoor sanitation across parks, industrial campuses, sidewalks, schools, and similar environments.。

Product Introduction_YJ130



Product Parameters	Details
Size	1800(L) X 1300(W) x 1520(H)(mm)
Net Weight	About 500kg
Drive Model	Dual wheel differential
Climbing Ability	10 °
Cleaning width	130cm
Movement speed	3.6 km/h
Cleaning Efficiency	5760m²/h
Operating Time	6–8h (Average)
Battery	48V/200 AH (Lithium (LFP))
AUTO Water Filling	YES
AUTO Garbage Dumping	YES
AUTO Charging	YES
Preset / Timing	YES



Autonomous
Driving



Autonomous and flexible
obstacle avoidance



100% electrically powered
, with zero CO2 emissions



5000m²/hour Large–
area cleaning



Easy to Operate



Live Status Tracking



The Greendorph Omniclean YJ80 redefines versatile cleaning with its semi-autonomous operation. This multi-functional unit adapts to your needs through three intuitive control modes: manual ride-on for normal tasks, auto-follow me for effortless operation, and towed traction for extended coverage.

- At its core, a powerful negative-pressure suction system works synergistically with five integrated functions:High-pressure surface flushing , Water-spray cleaning, Turbine-speed airflow Blowing, Targeted vacuum-tube collection, Intelligent dust-suppression misting , Consolidating six traditional machines into one machine.
- Its compact footprint navigates tight spaces with exceptional maneuverability. Engineered with balanced ergonomics, the YJ80 masters diverse environments—from sidewalks and pedestrian plazas to parking structures and mid-sized outdoor zones.
- Operators benefit from 8 hour continuous runtime with near-silent 100% electric operation—producing zero CO2 emissions while reducing fatigue. Beyond efficiency, it elevates urban livability: simplifying maintenance workflows while enhancing public space hygiene.



6-in-1 Functionality

Sweeping, Washing, Flushing, Blowing, Suction, Spraying



Pure Electric Operation

Zero CO₂ Emissions



No Hydraulic Circuits

Compact Design



Semi-Autonomous Modes

Intuitive Operation Aligned with User Workflows



Enhanced Maneuverability

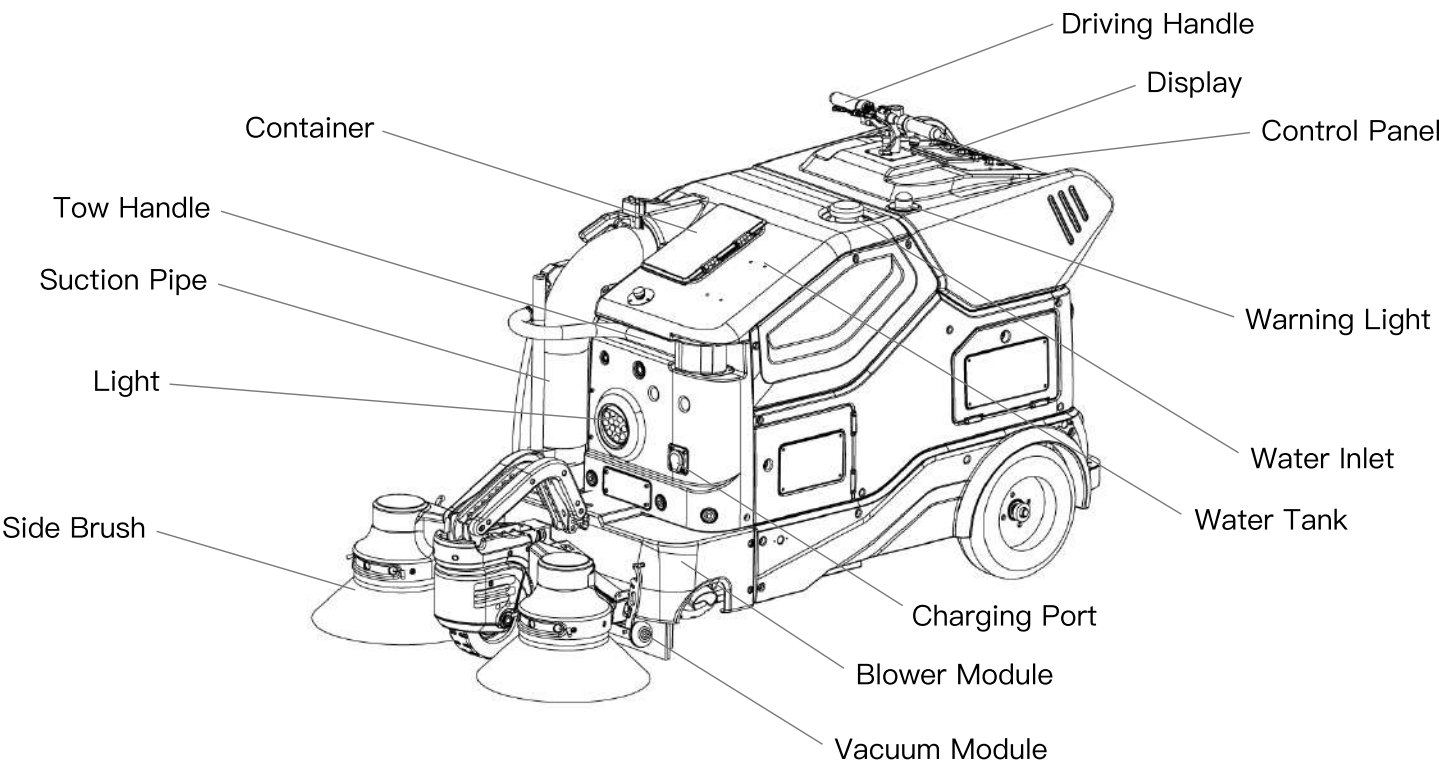
15° Gradeability



Operator-Centric

<70 dB Noise Emission (EN ISO 4871 Certified)

Product Introduction_YJ80



Product Parameters	Details
SIZE	1820(L) X 860(W) x 1350(H)(mm)
Net Weight	About 800kg
Drive Model	Backdoor Drive
Climbing Ability	15 °
Cleaning width	140 cm
Movement speed	6 km/h
Cleaning Efficiency	10800m²/h
Operating Time	6–8 h (Average)
Battery	48V/300 AH (Lithium , LFP)
Waste Bin Capacity	100L+12L
Water Tank	120L
Dry Function	Sweeping, Vacuuming , Blowing
Wet Function	Water spraying , High pressure water washing

Customer Application

–Parks



At Shenzhen's Happy Harbor

YJ130

6,000 operational hours 24+ across hours

At Shenzhen's Happy Harbor — a landmark waterfront destination — the first-generation Greendorph Auto sweeper YJ130 has delivered over 6,000 operational hours of reliable service across 24+ months.

Having sanitized **15.5+ km²** of public spaces

it stands as a critical infrastructure component advancing Shenzhen's smart city initiatives while elevating urban aesthetics through consistent, high-performance cleaning.



Customer Application

–Transportation hubs



At Shenzhen North Station

**YJ130: Delivering 2+ Years of Safe,
Reliable Cleaning for 300M+ Passengers**

Shenzhen North Station, the city's largest integrated transport hub, serves as a multi-level transit center connecting multiple high-speed rail lines and metro routes. For over two years, the Greendorph Auto sweeper YJ130 has delivered safe and reliable cleaning services across its indoor and outdoor areas, supporting station operations for over 300 million passengers.

This time-tested robotic solution perfectly complements the station's core principles of efficiency, intelligence, and compact design — jointly advancing Shenzhen's pursuit of high-quality urban development



Customer Application

-Other Senario Collection

