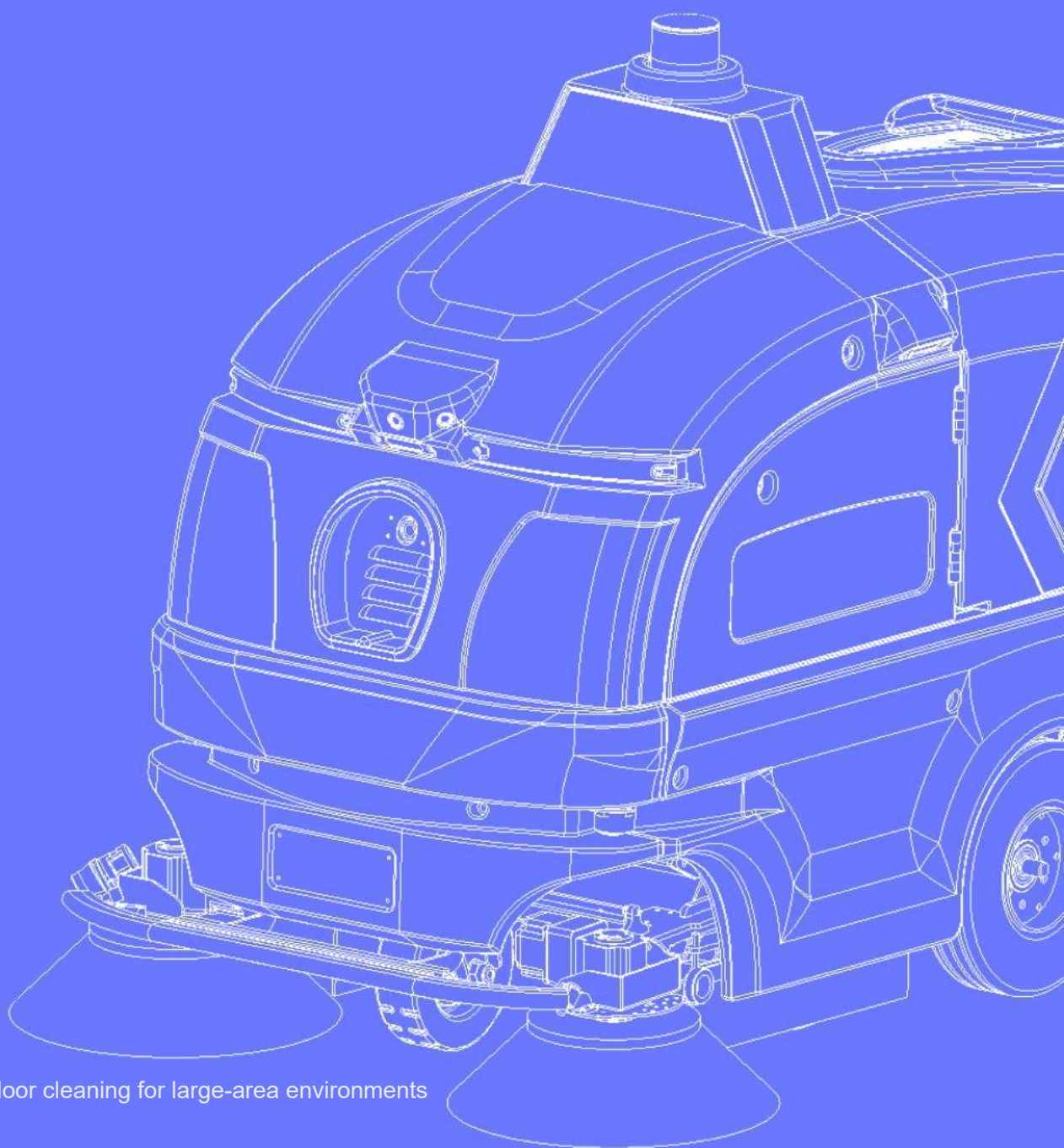


OUTDOOR AUTONOMOUS SWEEPING ROBOT

GYJ-130

PRODUCT INTRODUCTION



Autonomous outdoor cleaning for large-area environments

Product Overview



Built for plazas, parks, campuses and other large outdoor environments, GYJ-130 combines autonomous driving with a 4-in-1 cleaning system: main-brush sweeping, powerful vacuuming, directional blowing and spray dust suppression.



Autonomous Driving

Radar + 3D vision fusion



Precise Obstacle Avoidance

Multi-sensor perception



6-8 h

Battery life



max: 6,000 m²/h

Large-area cleaning



Simple Operation

User-friendly controls



Real-time Tracking

Live device status

Product Capability Overview



A complete cleaning platform for outdoor environments, combining high-output sweeping, autonomous perception, intelligent navigation and connected management.



Cleaning Capability

High-output 4-in-1 cleaning



Multiple Waste Types

Handles dust, leaves and litter



Ultra-close Edge Cleaning

Cleans within 5 cm of edges



Dust Suppression

Controls dust and shakes filters



Path Planning

Plans efficient full-coverage routes



Resume from Breakpoint

Continues from saved progress



Overflow Alert & Dumping

Alerts and supports auto dumping



360° Perception

Multi-range sensing around the robot



Obstacle Avoidance

Fast response around people and pets



Remote & On-site Mapping

Simple map creation and task planning



10-Minute Quick Mapping

Rapid deployment at a new site



App & Cloud Platform

Remote monitoring and reports

Outstanding Cleaning Capability



GYJ-130 handles sand, gravel, dust, fallen leaves, aluminum cans, fruit peels, bottles, cups, plastic bags, cigarette waste and paper scraps.

98%

Sweeping efficiency

max: 6000 m²/h

Cleaning efficiency

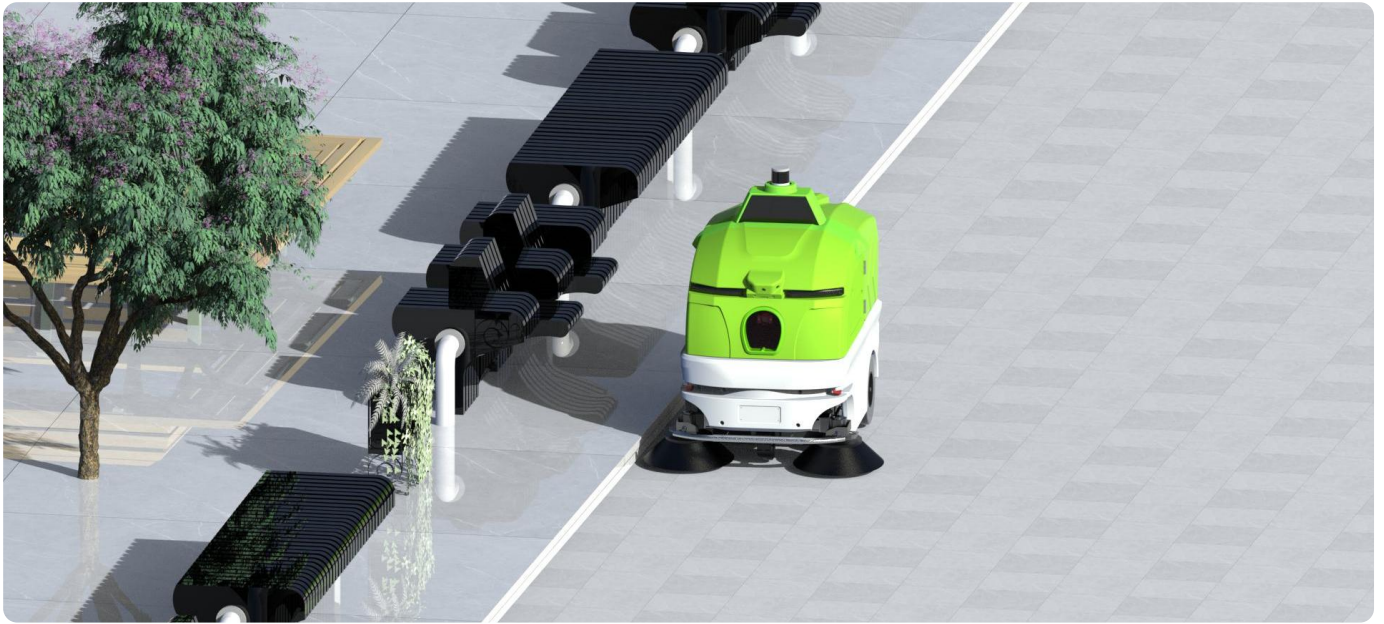
150 L

Extra-large waste bin

24 h

All-weather operation

Precision Cleaning



Ultra-close Edge Cleaning

Precise sensing and control keep the machine within 5 cm of road edges, removing dirt from corners with consistent coverage.



Spray Dust Suppression & Filter Shaking

Dust control around the side brushes and above the waste bin reduces secondary pollution. Filter shaking helps maintain reliable airflow during extended cleaning.

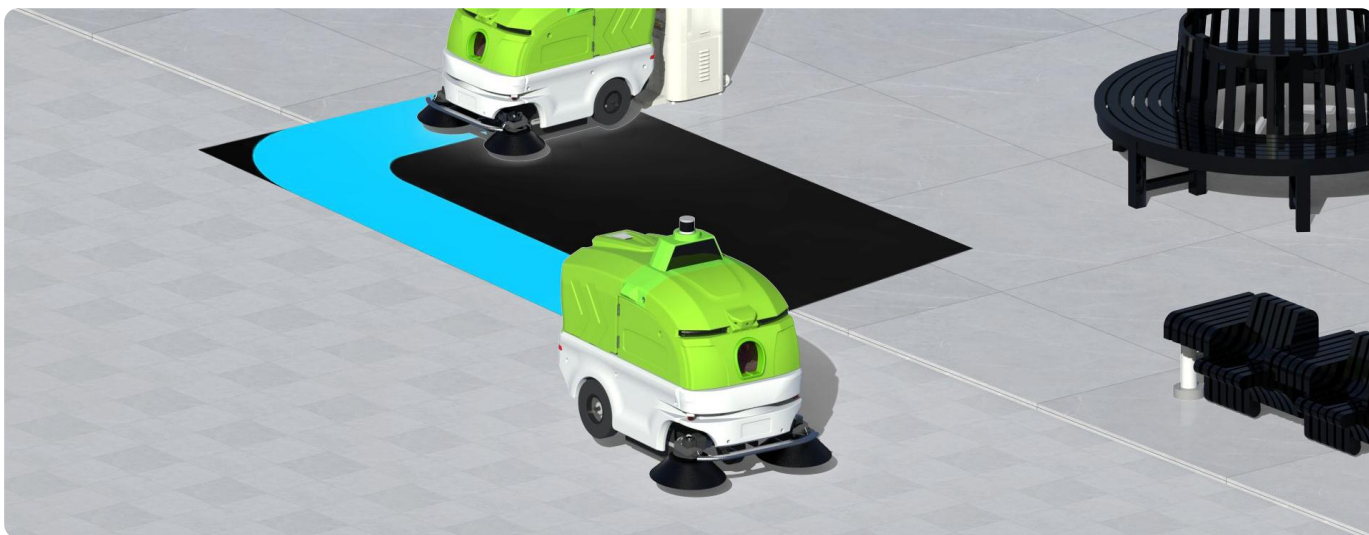
Cleaner operation with less airborne dust

Intelligent Navigation



Path Planning

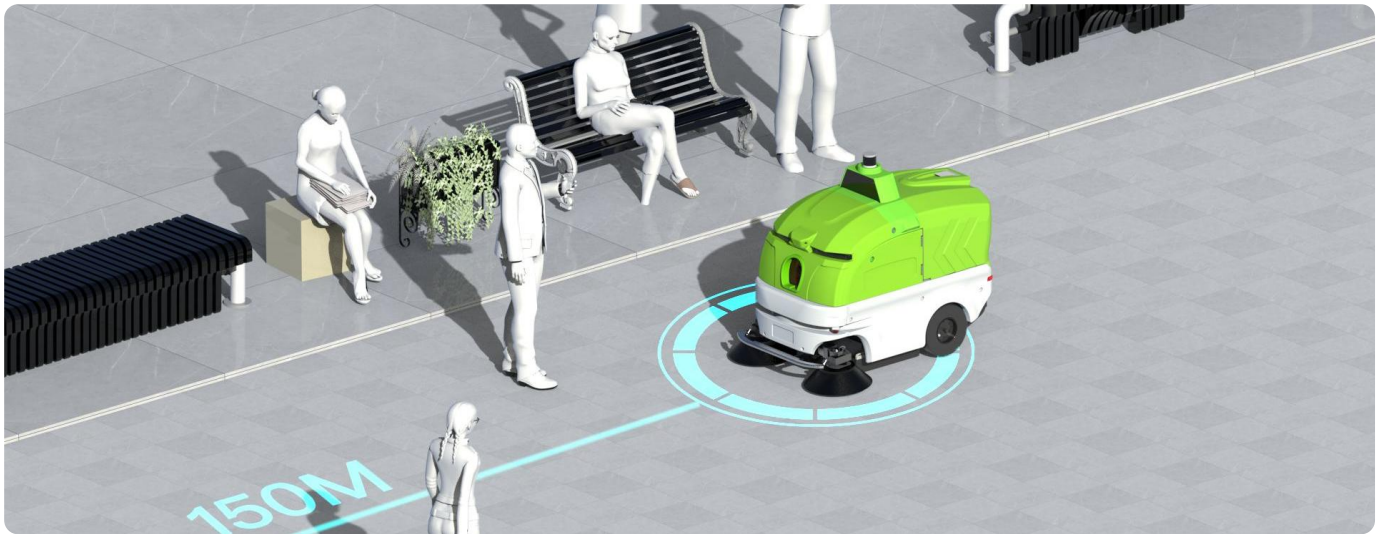
Intelligent algorithms plan full-coverage routes within the selected area, reducing repeated passes and missed zones.



Resume Cleaning from Breakpoint

After charging, water refilling or waste-bin emptying, the system records progress and resumes at the interruption point.

Environmental Perception



360° Environmental Perception

The multi-dimensional perception system supports 150 m beyond-line-of-sight recognition, 50 m mid-range detection and 1 m precision sensing. It can identify obstacles as low as 10 cm.

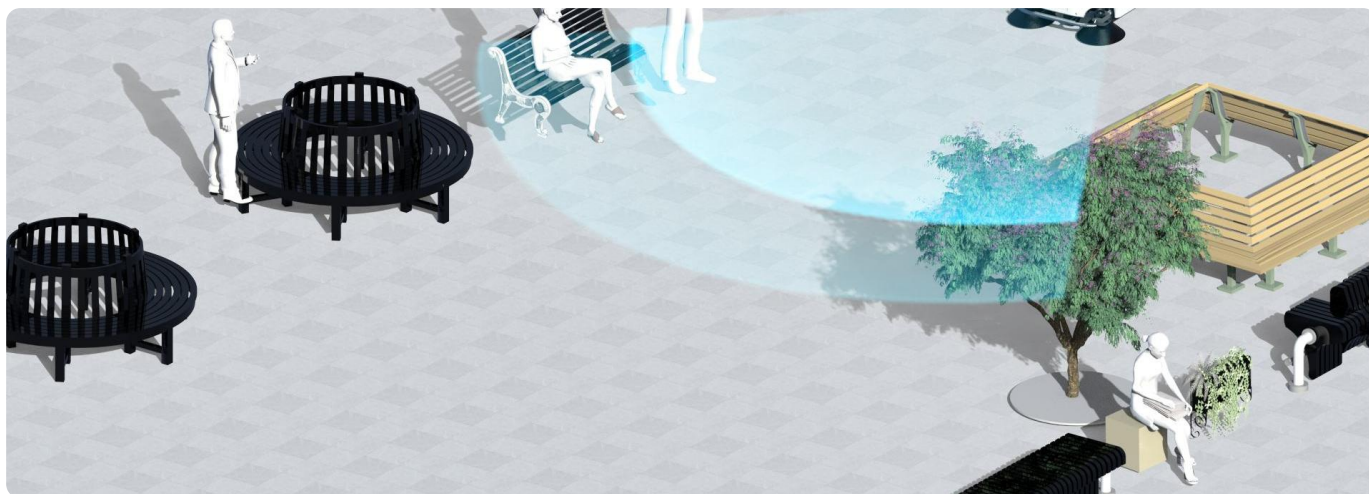


Flexible Obstacle Avoidance

Multimodal perception fusion enables millisecond-level response and flexible avoidance around children, pets and other low-mobility objects.

Mapping & Deployment

01 Remote & On-site Mapping



Both remote and on-site mapping are supported. The workflow avoids complicated line marking and positioning steps, helping first-time users create maps and plan tasks quickly.

02 10-Minute Quick Mapping



The system collects new scenario data to support algorithm training and adaptation. A quick demo can complete mapping and deployment for a new site in about 10 minutes.

Easy Maintenance & Intelligent Management

01

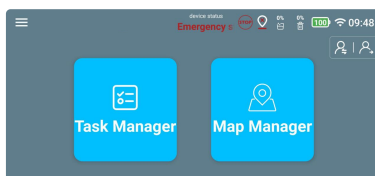
Self-check



- Intelligent self-check supports daily operation
- Maintenance status is visible at a glance
- Clearer fault location helps speed service

02

Mobile App



- Quick mapping, task planning and one-tap start
- Real-time reports and cleaning progress
- Flexible task and return scheduling

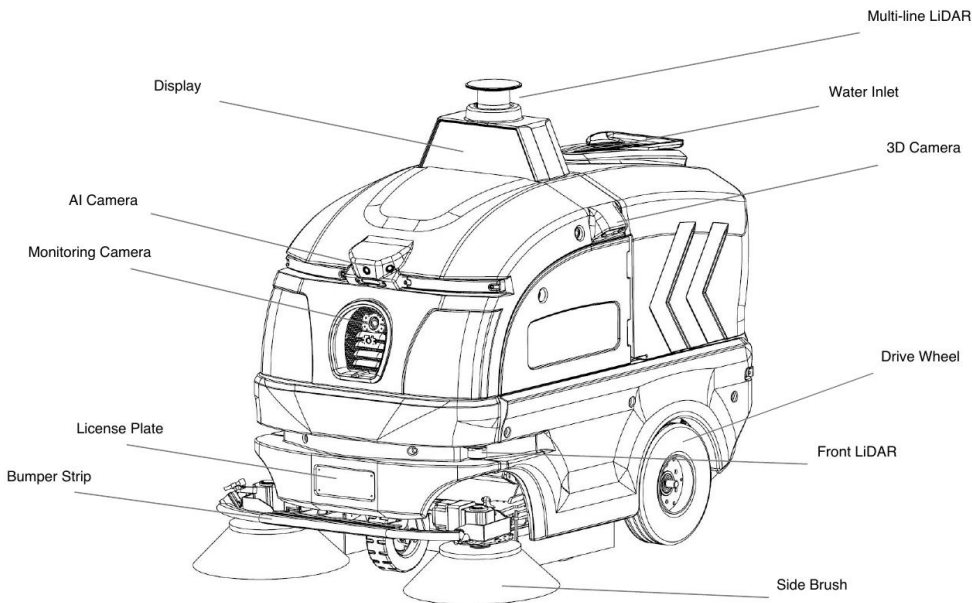
03

Cloud Platform



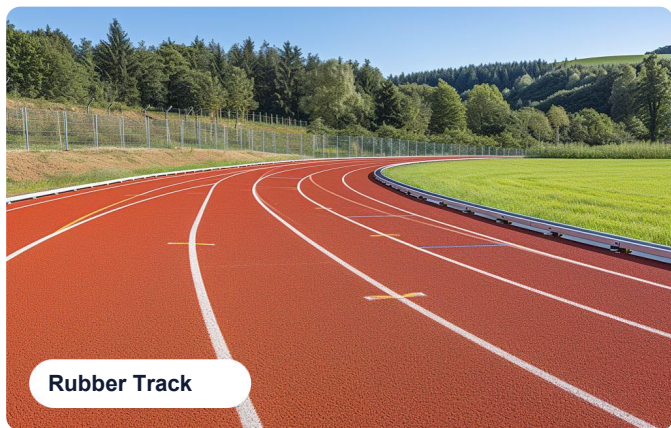
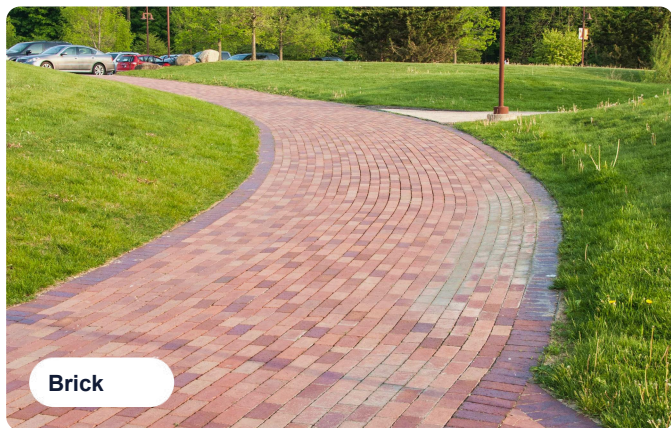
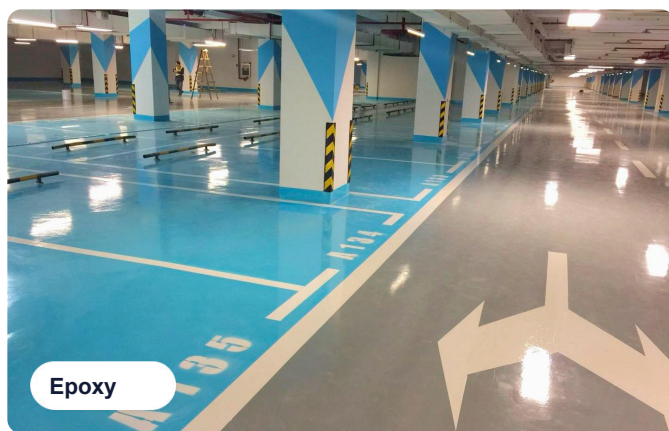
- System-level integration for dedicated applications
- Remote OTA upgrades
- Operation logs and proactive fault warnings

Product Specifications

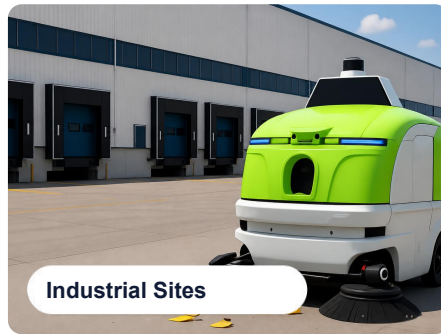


Specification	Parameter
Dimensions	1800 (L) × 1300 (W) × 1520 (H) mm
Weight	Approx. 500 kg
Drive Mode	Dual-wheel differential
Gradeability	10°
Rated Speed	3.6 km/h
Sweeping Efficiency	6000 m²/h
Battery Life	6-8 h (mixed conditions)
Battery Capacity	48 V / 200 Ah (LiFePO4)
Automatic Waste Dumping	Yes, optional
Automatic Recharging	Yes
Scheduling / Timing	Yes

Road Surface Compatibility



Applications



Built for Real-world Outdoor Cleaning

From transport hubs to municipal roads, GYJ-130 supports continuous cleaning in real operating environments.

CONTACT US

For product enquiries and deployment support