

Clelnbot M79

Professional Cleaning Robot for Public Scenarios

**Leading Intelligent Commercial
Cleaning For Efficient Support**



Efficient and Persistent, Full Coverage Cleaning

Integrated Washing and Sweeping,
Four Cleaning Modes For Easy Switching



ECO scrubbing



Washing



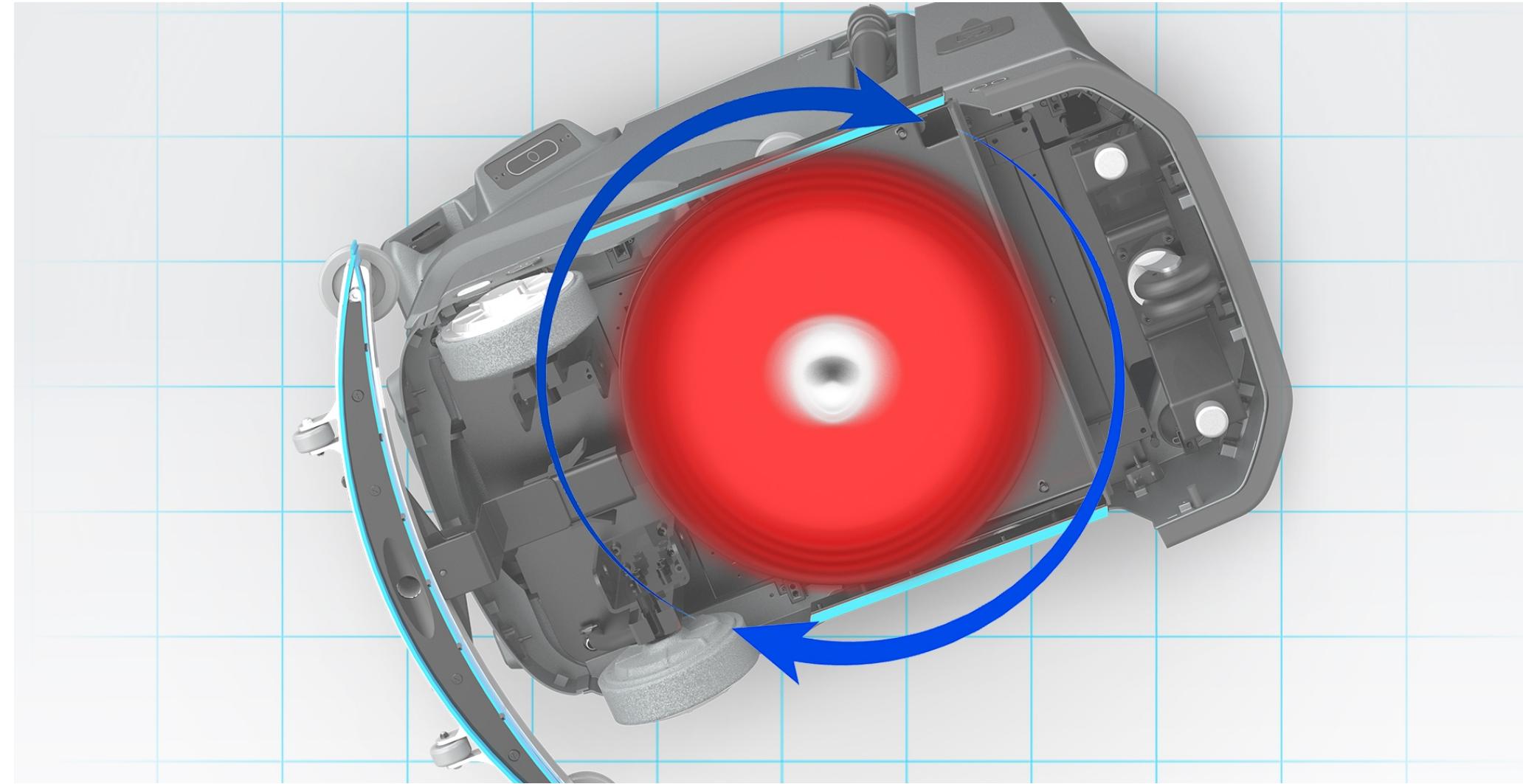
Intensive scrubbing



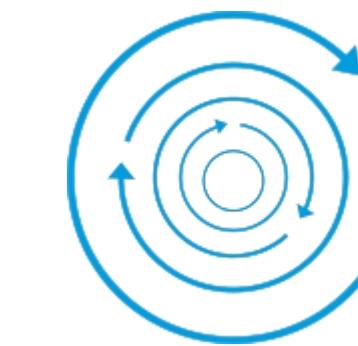
Suction



Professional Cleaning Components For Deep Floor Washing



Wide Water Suction Blade
Width of 790mm
Powerful suction capabilities



High-Speed Pressure Disk Brush

Speed up to 160RPM
Pressure of 13.2g/cm^2 per unit area



Efficient Cleaning for Large-Scale Operations

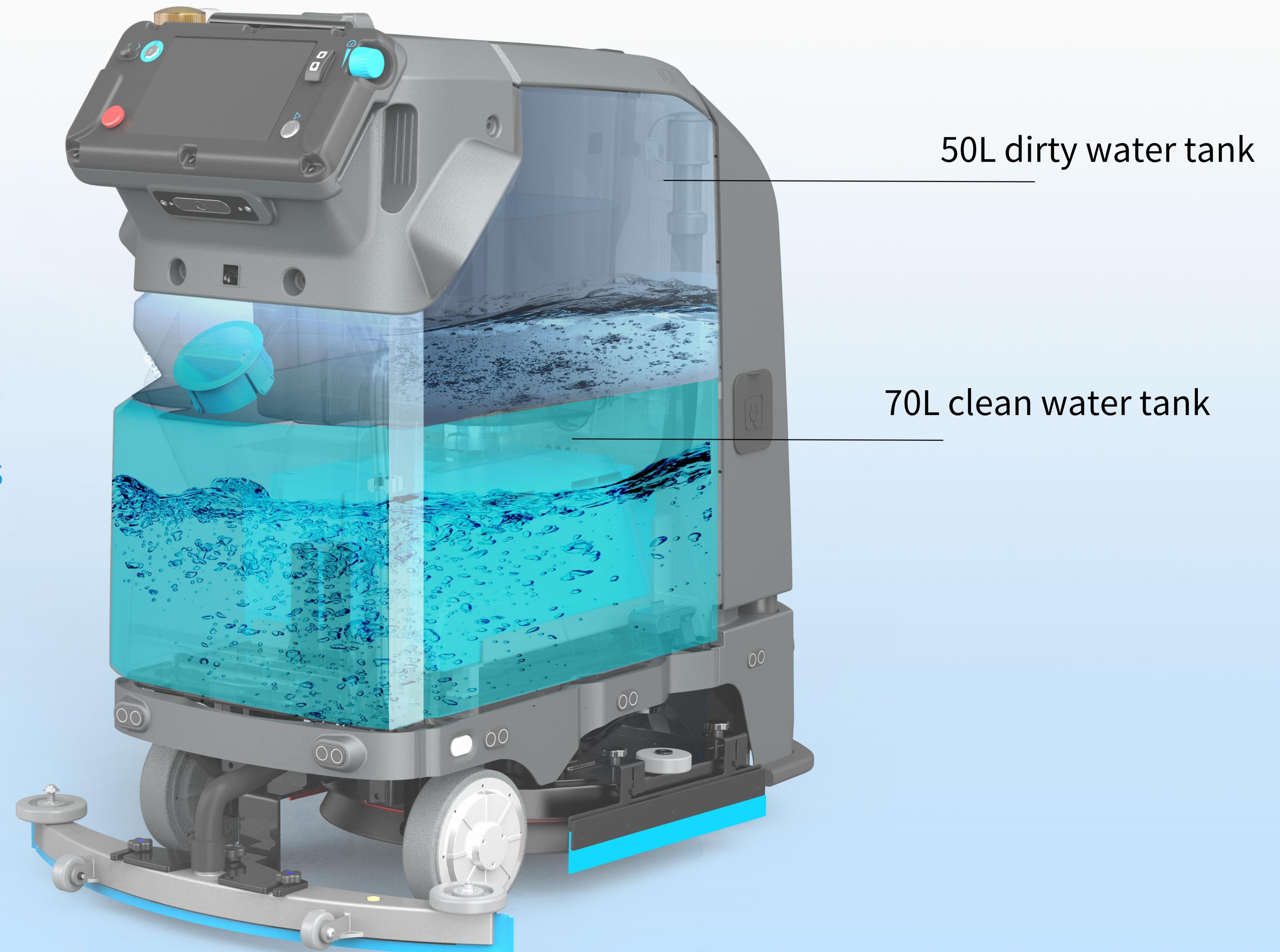


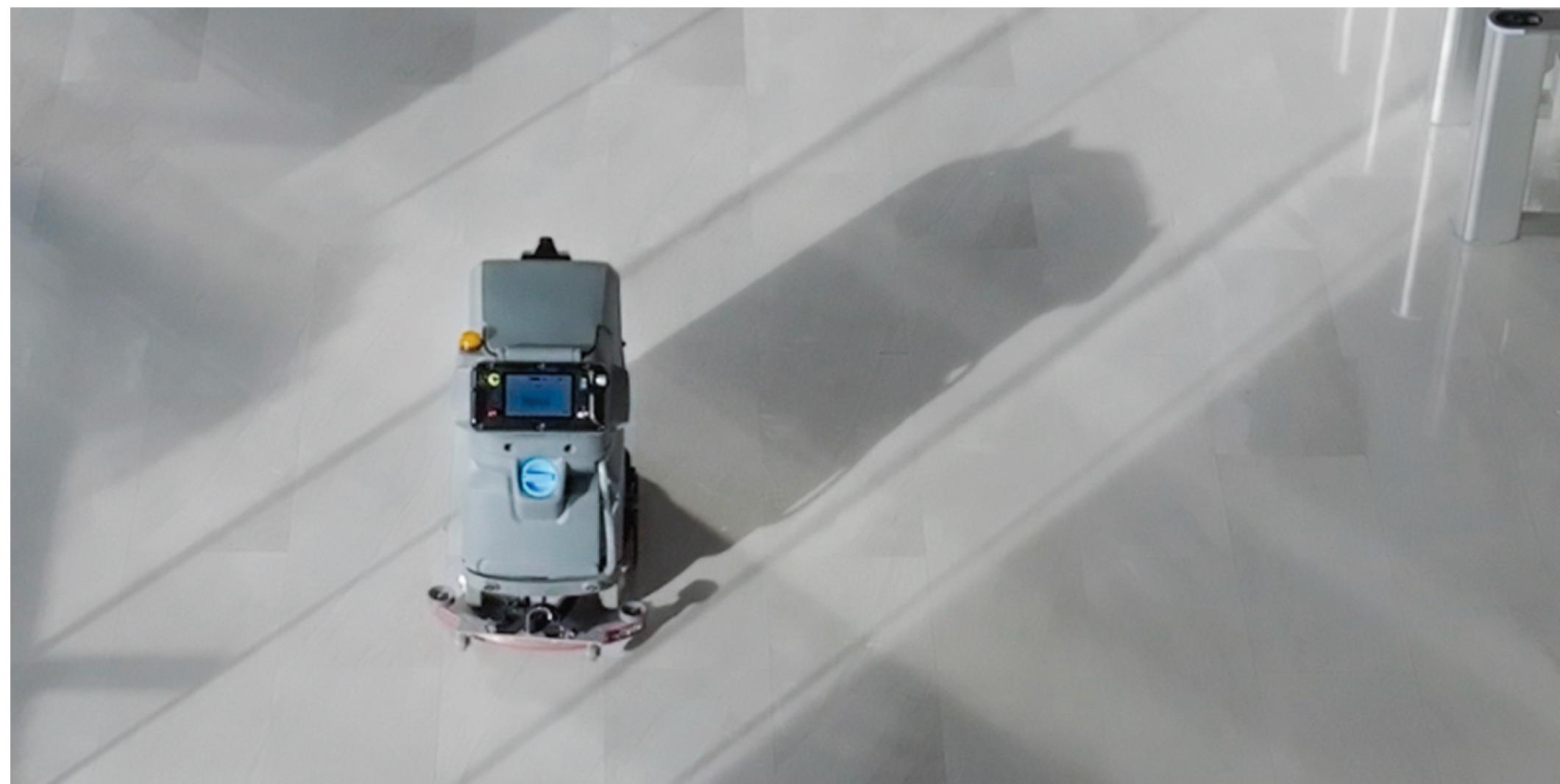
120L Extra-Large Dual Water Tanks

70L clean water tank

50L dirty water tank

3-4 hours of operation when full





Suitable for Various Hard Surfaces

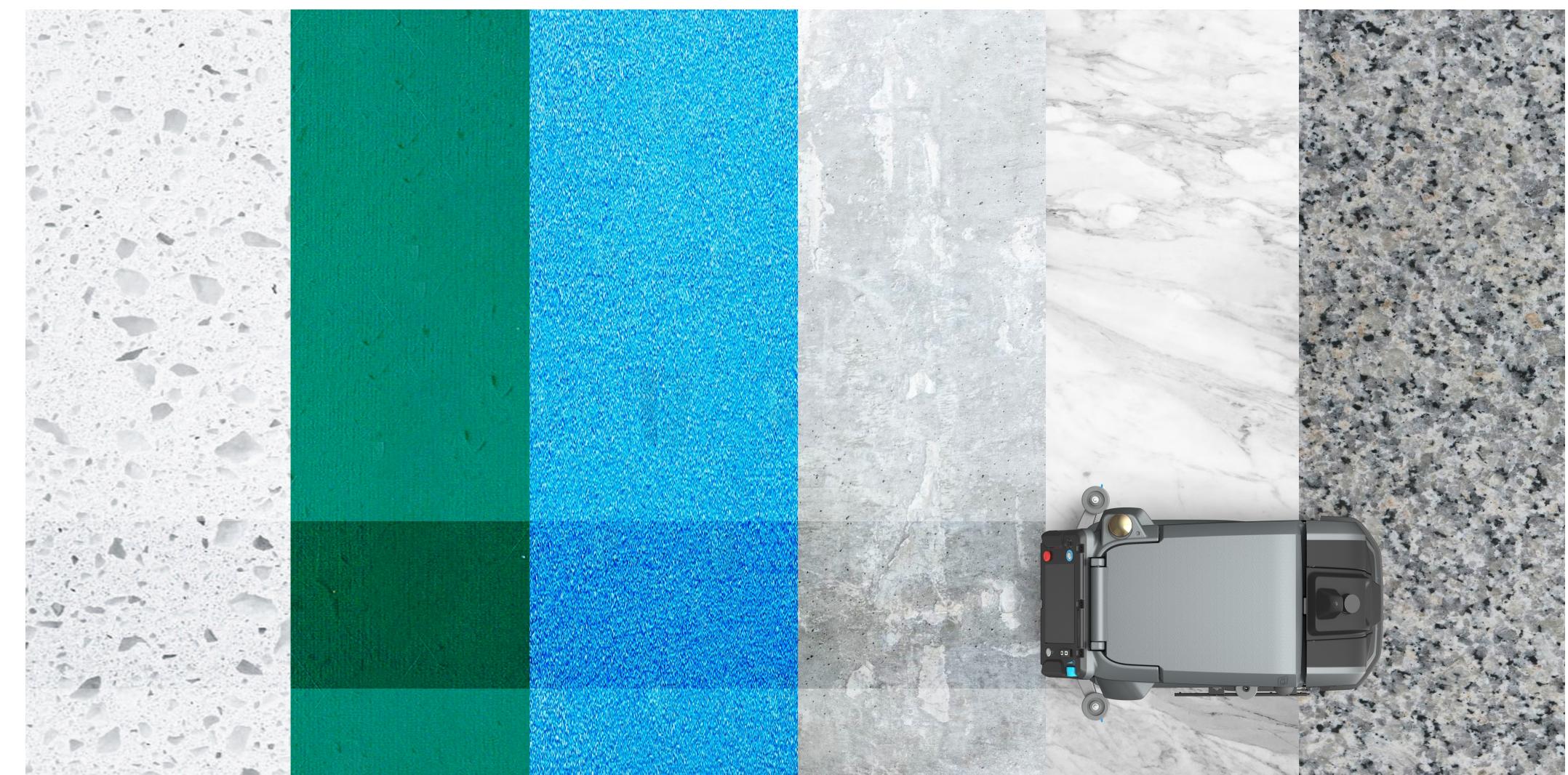
Suitable for terrazzo,
epoxy flooring, PVC,
cement, marble, granite,
and other hard surfaces

2040m²/h

Cleaning Efficiency of 2040m² per hour

2040m² per hour,

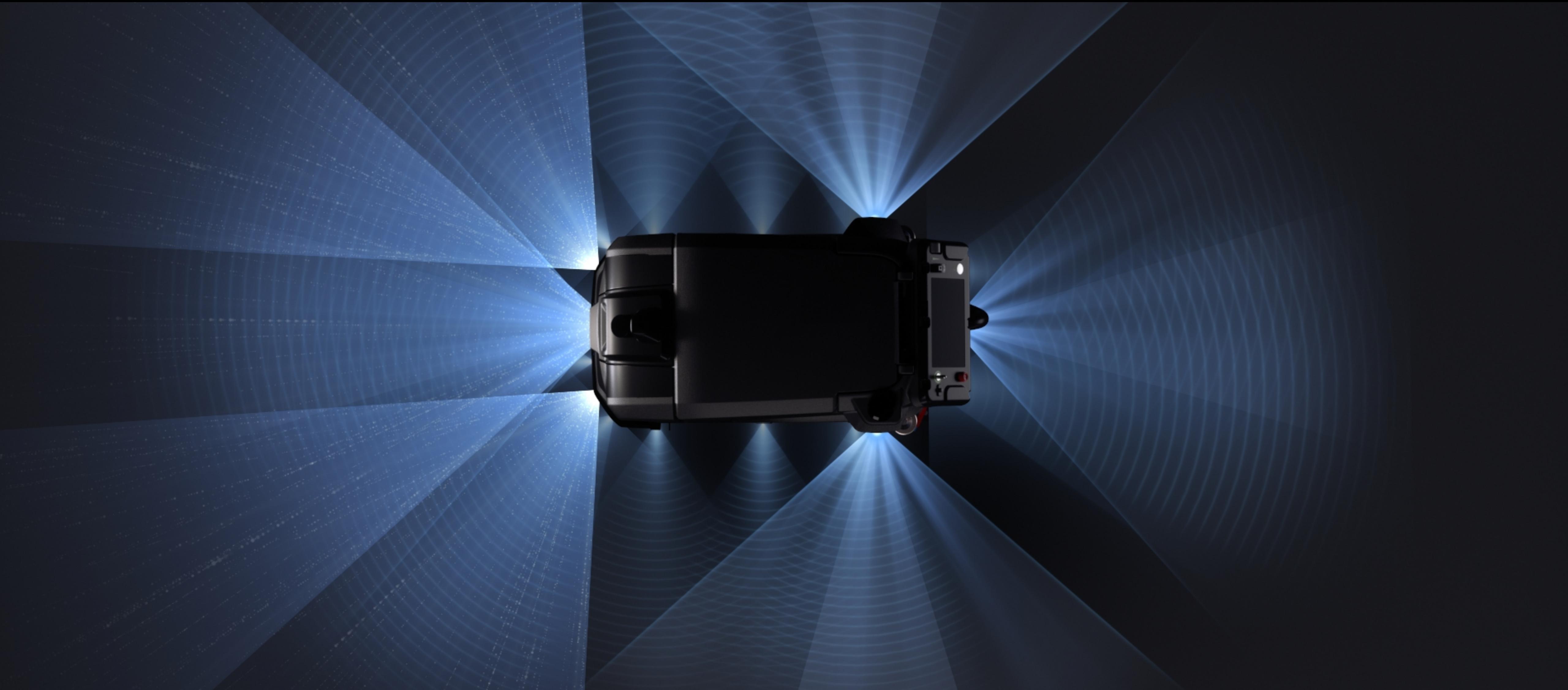
Approximately Equivalent to 25 Badminton Courts



Precise Navigation, Smooth Movement

Multi-Sensor Matrix

Monocular Panoramic Camera / High-speed LiDAR /
Wide-angle Depth Camera / Ultrasonic Sensor / Electronic Bumper





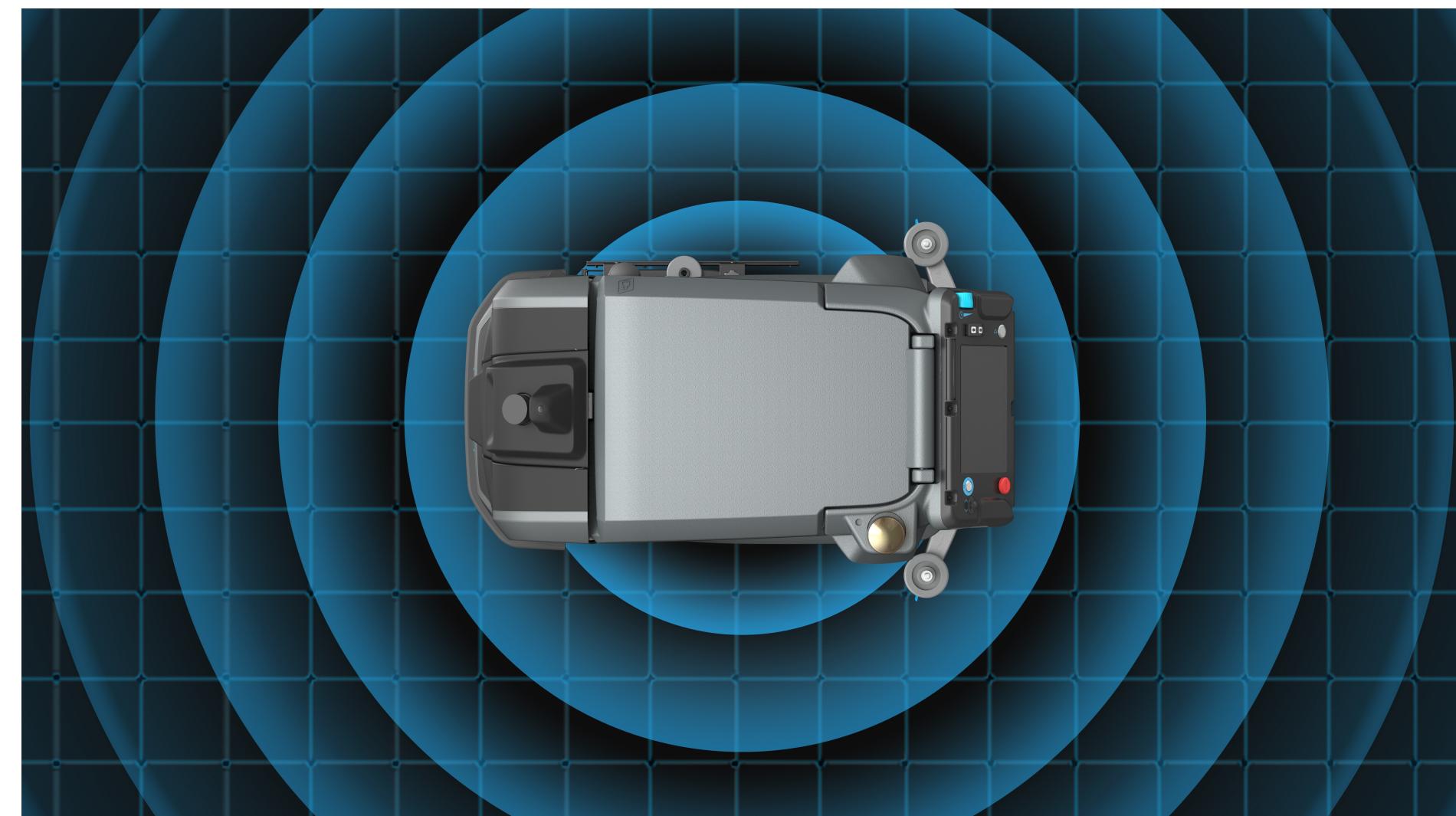
Precise Navigation and Positioning

Unique laser and vision fusion technology,
highprecision positioning of cleaning areas



360° All-round Obstacle Avoidance

3D TOF visual sensors surrounding the body,
paired with ultrasonic sensors for 360°
obstacle avoidance, reaction time as low
as 20ms*

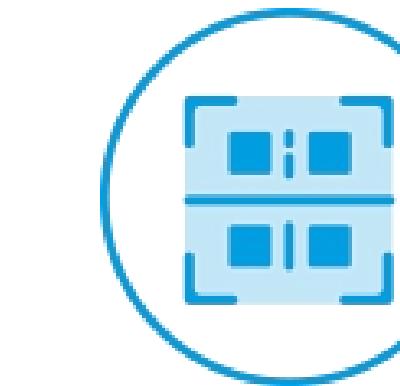


Convenient Deployment, Smart and Simple Operation



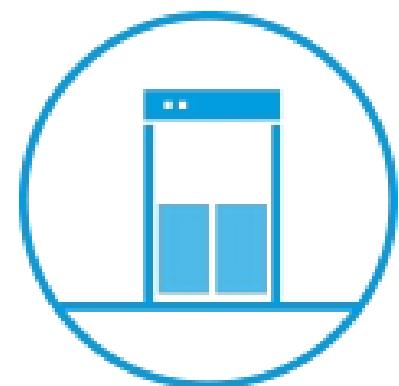
Map Editing Support

Point marking
Virtual walls
Noise elimination



Scan to Start Cleaning

Cleaning tasks bind to QR codes,
no repetitive settings, automatic
operation with scanning



Smart IoT*

Providing elevator and turnstile linkage
interface, enables cross-floor and cross-
area operations



Resume Cleaning at Breakpoints*

Intelligent breakpoint marking,
real-time memory of cleaning progress

User-Friendly Design, Simple Operation and Maintenance

- **Ergonomic Design**

Height-inclusive, easy operation

- **Simple and Convenient Cleaning Maintenance**

Easy-to-dismantle cleaning components

Large diameter wastewater tank

Extendable sewage discharge pipe



Digital Management Solution



Five Key Product Advantages

- 120L Large Dual Water Tanks, Easily Covers Medium and Large Areas
- Professionally Designed Cleaning Chassis, Deep Cleaning Without Damaging the Floor
- 360° Comprehensive Perception, Navigation and Obstacle Avoidance with Ease
- Scan to Start Cleaning, Autonomously Executes Task Procedures
- Human-Machine Efficient Collaboration, Easy Operation Without Strain



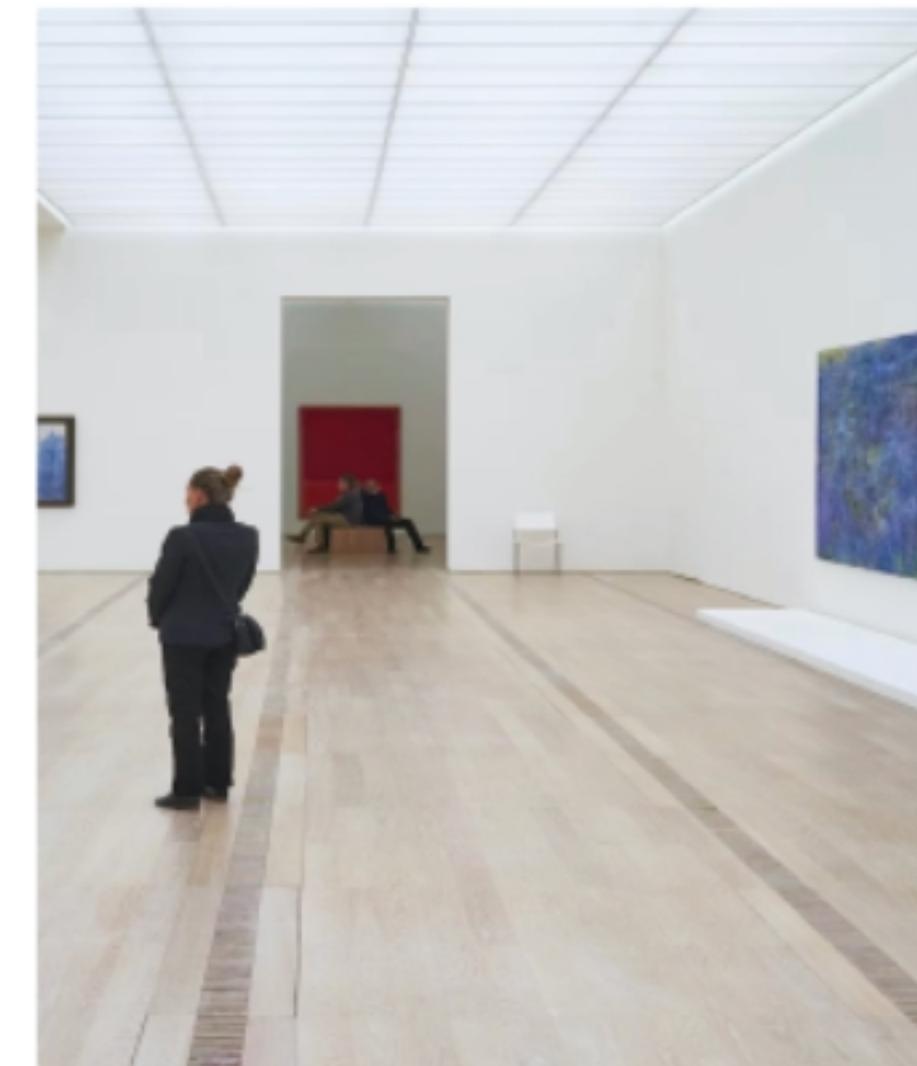
Application Scenarios



Airports



Stations



Exhibition halls



Sports stadiums



Commercial complexes



Hospitals



Factories



Underground parking garage

Parameters:

Basic Information	Product dimensions (L*W*H): 1160*580*1210mm	Machine Net Weight: 254kg
Cleaning Capability	Cleaning Functions: Floor scrubbing / Dust pushing Cleaning Efficiency: 2040m ² /h Cleaning Width: 510mm Suction Rake Width: 790mm Brush Disc Pressure Per Unit Area: 13.2g/cm ² Edge Cleaning Capacity: 20cm Clean / Dirty Water Tank Capacity : 70 / 50L	Minimum Passable Width: 85cm Minimum Turning Channel Width cm : 200cm Maximum Speed m/s: Auto-operation 1.0 / Manual operation 1.2 m/s Maximum Brush Disc Rotation Speed: ECO mode 140 / Intensive mode 160 PRM Suitable Floor Types: Marble / Granite / Terrazzo / PVC / Epoxy Floors / Concrete Floor, etc.
Battery Performance	Operating time with full water and battery: 3-4h Battery type: Lead-acid battery	Battery capacity: 24V / 120Ah Charging time: 8h
Obstacle Overcoming Capability	Maximum loaded climbing gradient: 6°	Minimum detectable obstacle height: 5cm
Intelligent System	Safety protection solutions: Panoramic monocular camera / 270° laser radar / 360° depth camera / 360° ultrasonic / Electronic anti-collision bar/ Top-mounted Camera / IMU Navigation solution: Vision + Laser Mapping solution: Radar mapping Visualization interaction solution: Onboard 10-inch touch screen	
Accessories	Suction rake, brush disc, scraper, 19-inch magnetic floor brush, red and white cleaning pad, 19-inch needle disc, 90*16cm dust push cloth, disinfection module	
Others	Operating noise: <82dB Insurance: Commercial Comprehensive Liability Insurance	



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*The Resume Cleaning at Breakpoints feature will be gradually obtained through OTA.

*The elevator control and access solutions need to be evaluated based on actual site survey results.

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Thanks

