

AUTONOMOUS CLEANING

ANS720

AI-Powered Robotic Sweeper

NOBLELIFT

Built for better.

OVERVIEW

BUILT FOR BETTER.

Picture a space that stays clean all day — not just after hours, and without anyone walking the floor hunting for spills to deal with. The ANS720 is the world's first true autonomous sweeping robot: instead of blindly running the same loop, it actually finds the mess. Its onboard AI recognises more than 30 types of waste and debris with 99% accuracy, cleans just that spot, then checks its own work before moving on. Spotless cleaning is guaranteed as it reads the space, works around changes on its own, and gets right into the edges. The result is continuous, daytime cleanliness that frees your team for the jobs that need a person.



Key Features

1



Built for big spaces

Runs on hard floors, soft floors and carpet, covering up to 2,100m²/hr cleaning and 20,000m²/hr on patrol.

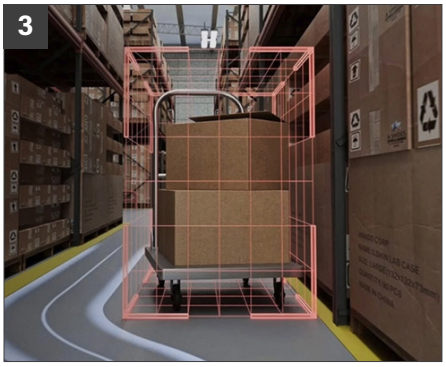
2



Cleans right to the edge

Works within 5cm of walls, lifting the debris closest to the skirting that other machines leave behind.

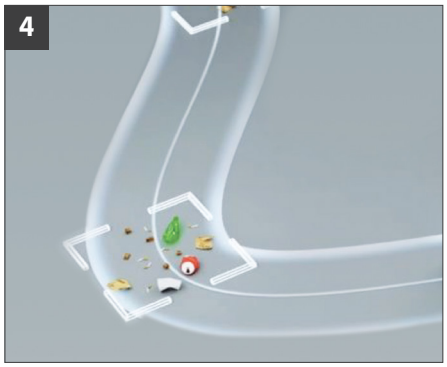
3



Never loses its place

Handles changes to the layout without remapping and resumes from where it left off — ideal for long corridors.

4



Finds the mess, not just the floor

AI detects and classifies more than 30 types of waste and debris with 99% accuracy. Meaning it Automatically adjusts where and how it cleans to suit the waste it detects, coping with real-life changes without human input.

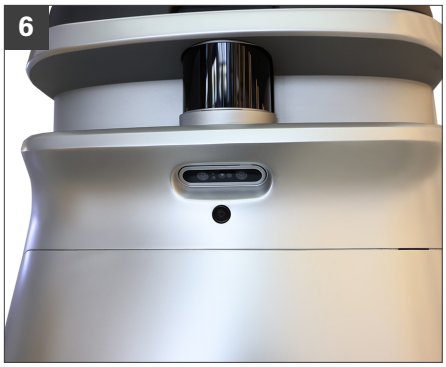
5



Checks its own work

Proprietary CRC (Cleaning Result Checkup) technology re-cleans a spot until it's genuinely clean — not just a single blind pass like other robots.

6



Safety first

Nvidia Xavier AI chips and multi-channel 3D LiDAR — the same sensing technology used in self-driving cars — keeps it working safely around people.

7



Simple to support

A modular design and streamlined RMA process mean fast parts replacement, clear error-code storage and remote support.

Specifications

Dimensions	
Length	855 mm
Width	660 mm
Height	1050 mm
GVW	132 kg
Sweeping Width (w/ side brushes)	720 mm
Roller Brush Width	460 mm
Cleaning	
Max. Theoretical Productivity (spot cleaning)	19873 m² /hr
Max. Theoretical Productivity (regular cleaning)	19873 m² /hr
Dust Filter Bag Capacity	18 L
Trash Tray Capacity	5 L
Max. Suction of Vacuum Motor	25 kPa
Movement	
Max. Speed	1.2 m/s
Min. Distance from Wall	<50 mm
Min. Passable Width	800 mm
Min. Turn-around Width	1200 mm
Gradeability	6°
Power	
Battery Type	Lithium Iron Phosphate
Battery Capacity	129 Ah
Rated Voltage	24 VDC
Charging Time	4 hours
Max. Runtime (spot-cleaning)	13 hours
Max. Runtime (regular cleaning)	8 hours
Sensing	3D LiDAR, 3D Depth Camera, Ultrasonic Sensor, Bumper Sensor
Sound Pressure Level	At least 58 dB(A)

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5 YEAR WARRANTY

LITHIUM BATTERY

LONG LASTING AND SAFE LITHIUM POWER.

NOBLELIFT uses LiFePO4 chemistry — the longest-lasting and safest lithium battery chemistry available. Every battery is equipped with a Battery Management System (BMS), a thermal management system, and an intelligent control system. The BMS monitors all charging and discharging data to keep the battery safe throughout its life cycle.

Our lithium battery packs are backed by a 5-year / 10,000 hour warranty.

Advantages of Lithium Power

	LEAD-ACID BATTERY	LITHIUM BATTERY
PRODUCTIVITY	Lower fleet availability — work is interrupted because the battery must be fully charged before next use.	100% fleet availability — opportunity charging tops the battery up between use.
SERVICE LIFE	Periodic battery replacement.	Lasts up to 3 times longer and doesn't need replacing.
ONGOING MAINTENANCE	Outsourced or in-house maintenance personnel required.	No maintenance cost.
CHARGE DURATION	8–10 hours — 2 or more batteries per machine.	2–3 hours — 1 battery per machine.
BATTERY ROOM	Requires an expensive, ventilated battery room.	No battery room needed.
SAFETY	Releases hydrogen while charging (explosion risk); acid burns possible during maintenance.	No dangerous substances.
POWER SAVINGS	Power loss.	No power loss — reduces energy consumption by up to 35%.



NOBLELIFT
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SERVICING, PARTS & SUPPORT.

At Noblelift, we understand that reliable servicing and maintenance are essential to keeping your operation running smoothly. That's why we offer comprehensive support tailored to the needs of your Noblelift fleet. With our commitment to excellence and customer satisfaction, you can trust us to keep your equipment operating at peak performance.

Through our nationwide New Zealand network we can provide:

NATIONAL TECHNICAL SUPPORT

Help by phone or on site, nationwide.

FULLY STOCKED PARTS

Genuine parts held in stock across NZ.

MAINTENANCE & SERVICE CONTRACTS

Flexible plans built around your operation.

DEDICATED SERVICE TEAM

Factory-trained technicians with the product knowledge and diagnostic tools to keep your fleet running.

GENUINE PARTS & ACCESSORIES

A full inventory of genuine Noblelift parts, ready when you need them.

BACK-UP MACHINERY

A rental and support fleet on standby to keep you moving through any downtime.

CUSTOMER TRAINING & SUPPORT

Hands-on operator and maintenance training so your team works safely and efficiently.

SCHEDULED MAINTENANCE PROGRAMS

Proactive, tailored servicing that catches issues early and prevents costly breakdowns.

24/7 EMERGENCY SUPPORT

Round-the-clock help to get you back up and running fast.



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Talk to our team for sales and enquires

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Noblelift New Zealand.