

AUTONOMOUS CLEANING

ANB510

AI-Powered Robotic Scrubber-Dryer

NOBLELIFT

Built for better.

OVERVIEW

BUILT FOR BETTER.

The ANB510 takes one of the warehouse's most thankless, yet important jobs off your team's plate — using 3D lidar and onboard AI to read the space like a person would, navigate the aisles, and clean right into the edges most machines miss. With a 55L tank and 120Ah battery, it can cover up to 2,570m² an hour, while free over-the-air updates and a self-docking station mean it handles its own charging and refills between runs. Smart, safe, and built to keep working long after the floors are dry. Meaning floors stay spotless and your team stays on the jobs that matter.



Key Features

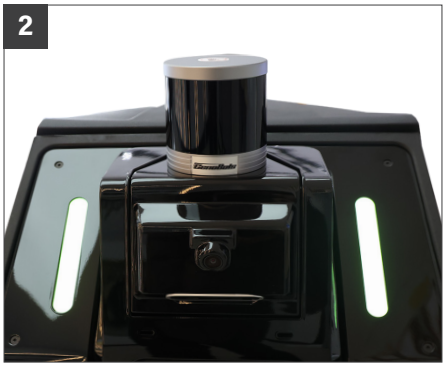
1



Built to last

A rotational-moulded body and fully tested components stand up to daily wear for dependable, long-term service. A 55L tank and 120Ah battery cover up to 2,570m² an hour, with high pad pressure for a proper deep clean rather than a quick once-over.

2



360° Safety

Multiple sensors and a three-dimensional, 360-degree protection system keep it working safely around people and obstacles.

3



Easy to maintain

Automatic refill and drain, plus self-charging through a one-stop docking station, while modular parts and an intuitive layout make servicing quick. Free over-the-air updates keep the software up to date automatically, with no technician call-out required.

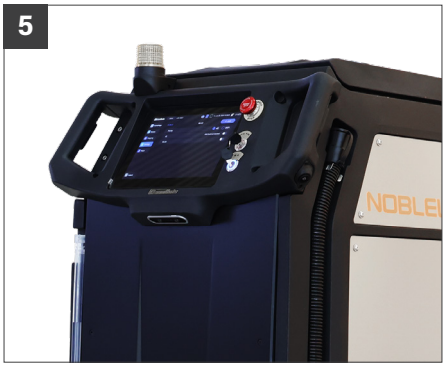
4



Cleans more floor

3D lidar and a powerful onboard AI chip let it map its surroundings, plan the most efficient route, and clean to within 5cm of walls and edges most machines miss.

5



Stays current, hands-off

Free over-the-air updates keep the software up to date automatically, with no technician call-out required.

6



Tool-free maintenance

A one-piece front undercarriage opens without tools, and the hydraulic oil level checks at a glance — minimising service time. Automatic refill and drain, plus self-charging through a one-stop docking station, while modular parts and an intuitive layout make servicing quick.

Specifications

Dimensions	
Length	1030 mm
Width (w/o squeegee)	580 mm
Height	1045 mm
Weight	220 kg
Cleaning Width	510 mm
Squeegee Width	740 mm
Cleaning	
Max. Theoretical Productivity	2570 m^2/hr
Brush Pressure	25 kg
Disk Brush Speed	220 RPM
Clean Water Tank Capacity	55 L
Waste Water Tank Capacity	55 L
Movement	
Max. Speed	1.4 m/s
Min. Distance from Wall	<50 mm
Min. Passable Width	900 mm
Gradeability	6°
Power	
Battery Type	Lithium Iron Phosphate
Battery Capacity	120 Ah
Rated Voltage	24 VDC
Charging Time	4 hours
Max. Runtime	6 hours
Sensing	3D LiDAR, 3D Depth Camera, Ultrasonic Sensor, Bumper Sensor
Sound Pressure Level	At least 67 dB(A)
Key components for AI	
Process Chip	Nvidia Xavier AI edge computing chips with up to 32 TOPS AI performance
Mapping Sensor	3D LiDAR with 150m detection range



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
Built for better.

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.



NOBLELIFT

Built for better.

Talk to our team for sales and enquires

enquiries@noblelift.nz

09 956 5992

Noblelift New Zealand.