

LITHIUM

# ANB510

14.5 Gallon

AI Powered AGV Scrubber-Dryer



Why choose between price and quality **WHEN YOU CAN HAVE BOTH!**



## HIGHLIGHTS

- ▶ Scrubbing/Washing width 20"
- ▶ 14.5 Gallon solution tank
- ▶ Cleans 7,000-10,000 sq ft/hour
- ▶ 5 Stage filtration system
- ▶ Maintenance-free lithium battery
- ▶ 4-5 Hour run-time
- ▶ Automatically returns to working station to recharge, drain and refill with water/detergent and then resumes cleaning
- ▶ 10.1" Touch screen control panel
- ▶ Mobile app controlled
- ▶ 32 Beam 3D LiDAR
- ▶ Nvidia Advanced Xavier AI Chip with 32 TOPS AI performance
- ▶ 99% Recognition accuracy
- ▶ Intelligent obstacle/pedestrian avoidance, 492' detection range
- ▶ Protruding object detection
- ▶ Glass detection
- ▶ Cleans up to 2" from edges
- ▶ Deceleration when stain is detected so it can scrub it longer
- ▶ Night cleaning mode - lights out
- ▶ LED flashing safety light
- ▶ Automatic shut-off if signal is lost
- ▶ Charging station is CE and UL certified

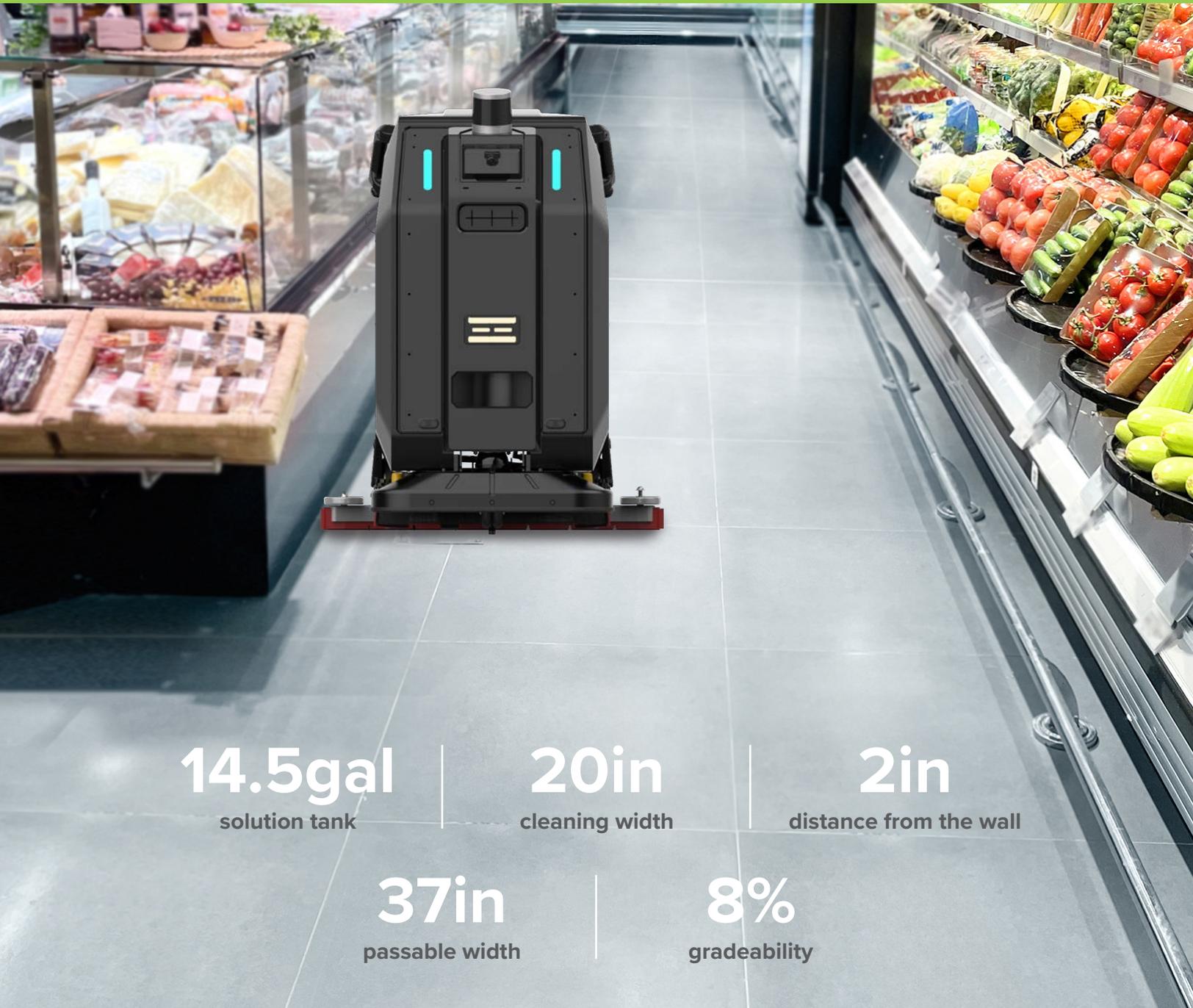
# ANB510

**14.5 Gallon**

AI Powered AGV Scrubber-Dryer

The ANB510 AI Powered AGV Scrubber-Dryer provides exceptional cleaning productivity and performance, making it an excellent cleaning partner. Equipped with a 14.5 gallon water tank and a 120Ah capacity lithium battery, this scrubber can efficiently cover a larger surface area in less time. Its high pad pressure ensures comprehensive and effective cleanliness, making it a reliable cleaning solution for all types of cleaning tasks. With cleaning productivity of 7,000 to 10,000 square feet per hour, this scrubber is perfect for a wide range of commercial spaces, regardless of their size.

# INTELLIGENT CLEANING PRODUCTIVITY



**14.5gal**

solution tank

**20in**

cleaning width

**2in**

distance from the wall

**37in**

passable width

**8%**

gradeability

## Smart, Human-Like Cleaning

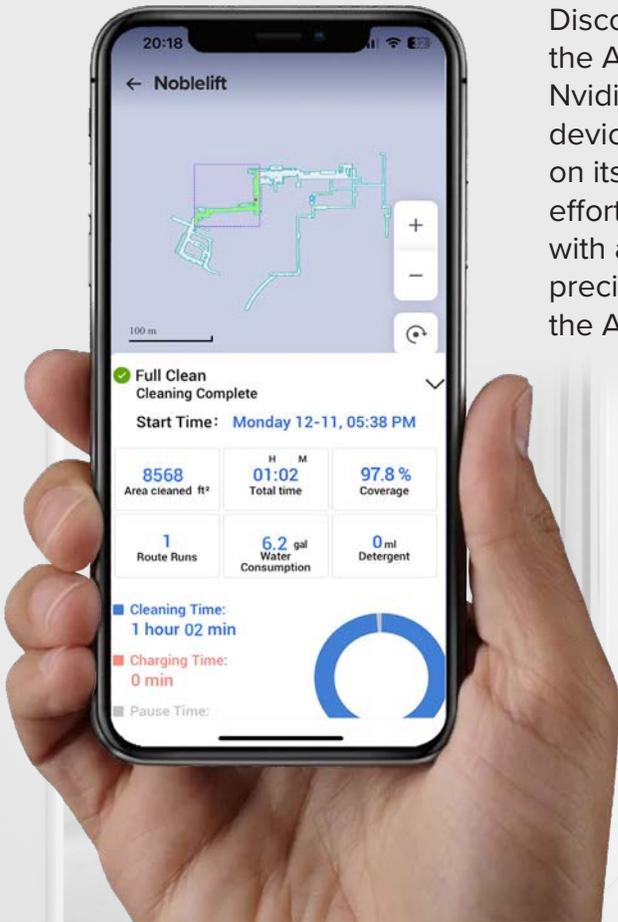
The NOBLELIFT ANB510 is equipped with cutting-edge 3D LiDAR technology and the most powerful AI chip, providing cleaning capabilities that rival human performance. It can clean as close as 2 inches from the wall and quickly adapt its mapping to the surroundings, optimizing its cleaning route for maximum efficiency.

## Effortless Operation

With its robust mapping features and advanced algorithms, the NOBLELIFT ANB510 automatically adapts to environmental changes, without any need for human intervention. Plus, free OTA (over-the-air) software updates mean you can keep your scrubber robot up to date without needing a technician to come on-site. This always ensures reliable and effective cleaning solutions.

# EFFORTLESS CLEANING AT YOUR FINGERTIPS

Discover the simplicity and efficiency of intelligent cleaning with the ANB510 Autonomous Scrubber-Dryer. Powered by a robust Nvidia processing chip boasting 32 TOPS AI performance, this device offers exceptional flexibility and control. With just a tap on its intuitive mobile app or 10.1-inch touch screen, you can effortlessly manage your cleaning tasks. The ANB510 is equipped with advanced stain and liquid detection capabilities, ensuring precise and thorough cleaning. Elevate your cleaning routine with the ANB510, where smart cleaning is in the palm of your hand.



**32 TOPS**

AI performance reaching

**10.1in**

touch screen



stain perception

# RELIABLE CUTTING EDGE SAFETY



The ANB510 is protected with a safety shield powered by multiple sensors – 32 beam 3D LiDAR, 3D depth cameras, and a bumper sensor. Combined with NOBLELIFT's powerful algorithms, these sensors create an impenetrable safety net, ensuring the ANB510 navigates with precision and avoids obstacles seamlessly. Trust in the ANB510 for a cleaning experience that prioritizes safety without compromise.

**492ft**

obstacle/pedestrian detection range

**Protruding**

object detection

**Glass**

detection

# SUPERIOR DESIGN AND PERFORMANCE



Hygroscopic wear-resistant strip with arc suction and scrape design, rapidly absorbs water without leaving residue.



High pad pressure ensures comprehensive and effective cleanliness.



Automatically returns to working station to recharge, drain and refill and then resumes cleaning.



Large 10.1-inch touch screen control panel for effortless management of cleaning tasks.



The ANB510 autonomous scrubber-dryer works in complete darkness allowing for after hours cleaning.



LED flashing safety light alerts pedestrians within the vicinity.

# ADVANCED AND RESPONSIBLE COST SAVINGS

The ANB510 sets new standards in sustainability with its innovative water-saving technology. This system not only minimizes water and detergent use but also intelligently adjusts the water flow based on the washing speed. With the ANB510, you're not just getting a clean wash—you're making an environmentally responsible choice.

**Save  
Time**

**Save  
Money**

**Less  
Chemicals**

**Less  
Water**



# IDEAL INDUSTRIES

Warehouse and logistics  
Food and beverage  
Manufacturing  
Healthcare  
Scientific research  
Transportation  
Retail  
Hotel and hospitality

Convention centers  
Supermarkets  
Real estate  
Sports arenas  
Automotive  
Aviation  
Cleaning services  
And more



## STREAMLINED MAINTENANCE EXCELLENCE

The ANB510 Scrubber Dryer includes a groundbreaking workstation that revolutionizes cleaning. With its 24/7 cleaning autonomy, it drastically reduces maintenance efforts. This smart workstation takes care of refilling water and detergent as well as charging the robot, all automatically, providing a hassle-free and efficient cleaning experience. It's packed with features like a magnetic brush, quick 30-second squeegee blade replacements, and a large water tank opening, ensuring a seamless and efficient cleaning experience.



### SPECIFICATIONS

Dimensions (main body) 18.1 x 10.6 x 33.9in

Weight 99lb

Input voltage 100-240Vac

Max Power 1.34hp

Output voltage 24VDC

Operating temperature 32-113°F

Specifications			
1.2	Model		ANB510
1.3	Length	in	40.6
1.4	Width (without squeegee)	in	22.8
1.5	Height	in	41.1
1.6	Weight	lb	420
1.7	Cleaning width	in	20
1.8	Squeegee width	in	33.1
Cleaning			
2.1	Productivity	sq ft/hr	7,000 - 10,000
2.2	Brush pressure	lb	55.1
2.3	Disc brush speed	RPM	220
2.4	Solution tank capacity	gal	14.5
2.5	Recovery tank capacity	gal	14.5
Movement			
3.1	Max. Speed	mph	2.68
3.2	Min. Distance from wall	in	2
3.3	Min. Passable width	in	37
3.4	Gradeability	%	8
Power			
4.1	Battery type		Lithium iron phosphate
4.2	Battery capacity	Ah	120
4.3	Rated voltage	VDC	24
4.4	Charging time	hr	4
4.5	Max. Runtime	hr	4 - 5
Sensing			
5.1	Sensing		32-beam 3D LiDAR, 3D depth camera, bumper sensor, IMU sensor
Sound Pressure			
6.1	Sound pressure level	dB(A)	At least 67
Key Components for AI			
7.1	Process chip		Nvidia AI edge computing chips with up to 32 TOPS AI performance
7.2	Mapping sensor		3D LiDAR with 492ft detection range

NOBLELIFT reserves the right to make technical changes and improvements to our products to maintain or enhance the quality, delivery, and efficiency.

# A GLOBAL LEADER

NOBLELIFT is a global leader in Lithium Technology. We manufacture more than 200 categories and around 30 series of each product. Our products are designed to meet different application demands and are well accepted by our customers in more than 100 countries and regions in Europe, America, Asia, Africa and more.

**Products include:** sit-down forklifts, rough terrain forklifts, narrow aisle forklifts, walkie-stackers, order pickers, electric pallet trucks, scissor lifts, tuggers, tow tractors, scrubbers/sweepers, lift tables, manual pallet jacks and more.



FORKLIFTS



NARROW AISLE



STACKERS



POWERED PALLET TRUCKS



SCISSOR LIFTS



TUGGERS



SCRUBBERS

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