

Neo 2TM by Avidbots[®]

The Multi-Application
Cleaning Robot





Say Hello To Neo 2

Designed from the ground up, Neo automates the time-consuming, labor intensive, tasks of floor care and high-touch surface disinfection. With Neo deployed at your facility, your team can focus activities related to your core-KPIs!

- ▶ **Labor Reallocation:** The days of dealing with hiring challenges and increasing wages are behind you—Neo is ready to work. With Neo on the job, your team can focus on core KPI related tasks that matter to your organization. Neo delivers a truly efficient, consistent and measurable clean!
- ▶ **Cleaning Optimization:** The Avidbots Command Center, our web-based software, gives you unprecedented insight into Neo's performance. You can monitor, manage and track your robot remotely and in real-time, optimizing your floor care operation over time.
- ▶ **Full Autonomy:** Powered by Avidbots Autonomy, Neo handles dynamic environments with ease recognizing and working around anyone and anything. E-stop buttons, bumpers and integrated warning lights mean Neo keeps the operating environment safe.

Neo has been engineered to be the highest in quality, utilizing industry-leading technology and software while delivering consistent reliability.

- ▶ Neo, equipped with the active cleaning control system, cleans and disinfects more effectively and efficiently than humans, with speeds up to 1.35 m / 4.43 ft per second.
- ▶ Neo cleans up to 3,900 m² / 42,000 ft² per hour*.

*Calculated maximum theoretical value.

SERVICE & SUPPORT

Avidbots Customer Success focuses on your uptime and utilization to ensure you are meeting your cleaning goals. With advanced diagnostics, Neo is able to detect when any problems arise streamlining troubleshooting, minimizing costly downtime.

PREMIER TECHNOLOGY INTEGRATION

Neo is powered by Avidbots Autonomy and features 10 onboard sensors, resulting in 360° visibility and advanced obstacle avoidance. Combined with Avidbots Real-Time Monitoring and Remote Assistance, Neo is unmatched in autonomy, navigation and safety.

ANALYTICS & REPORTING

Avidbots Command Center, our proprietary web-based software, enables you to monitor, manage and track Neo—or an entire fleet of Neos—remotely and in real-time. You'll be able to access highly-detailed reports of every cleaning operation, including precision productivity metrics and sector-level coverage maps. With Avidbots Command Center, you'll always be in the know.

BUILT FOR LONGEVITY

Rugged and robust construction features include heavy duty plastic cleaning solution and recovery tanks. Industrial-strength batteries allow operation up to 6 hours without a recharge. Neo is a multi-application robot designed with add-ons in mind, delivering additional uses beyond floor care such as high-touch surface disinfection.

INDUSTRY-LEADING SAFETY FEATURES

Powered by Avidbots Autonomy, Neo is able to adapt to changes in the environment, leading the industry with real-time obstacle avoidance! The state-of-the-art technology combined with e-stop buttons, bumpers, beacon and integrated signaling lights, the Blue Light and a sound system that talks to you, makes Neo the best in keeping the operational environment safe.

INTELLIGENT BY DESIGN

Neo's simple setup and intuitive operator interface makes it easy for anyone to use. With Avidbots Autonomy, Neo is able to act and adapt to its surroundings and cleaning plans dynamically update according to changes in the environment, minimizing cleaning time while maximizing productivity.

MULTI-APPLICATION: 3D SURFACE DISINFECTION

With Neo's Disinfection Add-On, organizations can achieve a consistent, fully autonomous and measurable electrostatic disinfection every time, giving their staff more time to focus on their core business.

AUTONOMOUS & MANUAL

Neo's operator interface allows it to be switched into manual mode with a simple command. Once the manual cleaning is completed, it is easily switched back into automated floor scrubbing mode.



Neo delivers a fully autonomous clean in a variety of commercial spaces...

AIRPORTS
EVENT CENTERS
HOSPITALS

MALLS
MANUFACTURING
RETAIL

SCHOOLS & UNIVERSITIES
TRANSIT HUBS
WAREHOUSES



Neo's Goal:
Maximize cleaning productivity, while minimizing human intervention.



Powering the future of autonomous floor cleaning.



A web-based software to manage Neo.

Our proprietary AI software, Avidbots Autonomy, powers Neo, enabling the cleaning robot to understand its operating environment and take actions to maximize cleaning productivity while minimizing human intervention.

Avidbots Autonomy—leveraging data from a variety of robot sensors—provides situational awareness, enables advanced decision-making capabilities and reliably completes its two key objectives: determining the robot’s position within space and finding the best path for the task at hand.

Advanced Dynamic Planning

When Neo is deployed in a new facility, the entire space is mapped and a fully-customizable cleaning plan is generated. From that point forward, using the onboard suite of sensors, at the start of each cleaning session Avidbots Autonomy compares what the space looks like this time to the original cleaning plan. When this takes place it’s determining the best path to maximize cleaning productivity leveraging advanced dynamic planning.

Utilizing New-Wave Localization

Localization is the process of determining where a robot is located with respect to its environment; it’s key to the success of Neo.

Avidbots’ advanced localization algorithms allow continuous operation in even the most dynamic and challenging environments where off-the-shelf SLAM (simultaneously localization and mapping) algorithms used by many robots fail.

Avidbots’ proprietary algorithms result in fewer stoppages and more consistent cleaning.

By interpreting long-range lidar sensor data and taking advantage of large and detailed cleaning maps, Avidbots Autonomy provides location level awareness to Avidbots robots—Avidbots robots understand their location relative to items in their immediate vicinity as well as in a wider context, such as where they are in a large facility.

This intelligence enables better decision-making, ensuring Neo delivers a consistent, efficient and measurable clean every time it starts.

Market-Leading Obstacle Avoidance, Enhanced Safety

Avidbots Autonomy means Neo is unmatched in obstacle avoidance. Using a variety of sensors, Avidbots Autonomy consistently evaluates the data being collected to ensure Neo avoids anything and stops when unexpected obstacles appear, handling dynamic environments with ease.



Advanced Autonomy Skills: Home Base†

With the launch of Avidbots Home Base the days of having to walk or ride your floor scrubber from the storage closet to the area needing to be cleaned are behind us!

From a single, convenient, start location* your team presses “go” and Neo goes, fully autonomously, moving to the designated cleaning area. On arrival, Neo will start cleaning all by itself! Once done cleaning, Neo will return back to the start location.

Seamlessly updating via the Cloud, Avidbots Autonomy, will continue to deliver additional benefits and features, while also recognizing different objects in various environments and floor plans.

Note: Home Base implementation is subject to review and approval by Avidbots.

*Start location subject to review by Avidbots.

†Limited to Neo 1.7 and 2.0.

Neo provides you with a level of oversight and performance measurement that you won’t find in other commercial floor scrubbers. The proprietary Avidbots Command Center lets you monitor, manage and track your Neo(s) remotely and in real-time.

You’ll be able to access highly detailed reports of every cleaning operation, including precise productivity metrics and sector-level coverage maps. With all of Neo’s cleaning performance tracked, you’ll always be in the know.

In-Depth Performance Reporting

With Neo and the Avidbots Command Center you can understand fleet performance at a glance with configurable cleaning targets to define success. Transforming that data into meaningful insights, your cleaning operation will be optimized over time.

Viewing productivity metrics, trend reports and visual ratings for each cleaning operation you’ll always be in the know. Issues experienced while cleaning, such as areas or aisles skipped because they were blocked, will be highlighted on your cleaning report for easy review.

Generate in-depth performance reports and track the metrics that matter, including:

- Total area cleaned
- Total cleaning time
- Productivity
- Water consumption



✔ Define cleaning metrics and review reports to better understand and improve your cleaning effectiveness.

Fleet Management

Keep tabs on your Neo(s) in real-time, directly from your home page. View the online status and location of your robots, as well as the success of each cleaning plan by robot and location.

With Avidbots Command Center: Fleet Management you’re able to:



Identify the percentage of successful cleaning plans executed by the entire fleet of Neos at any given time.



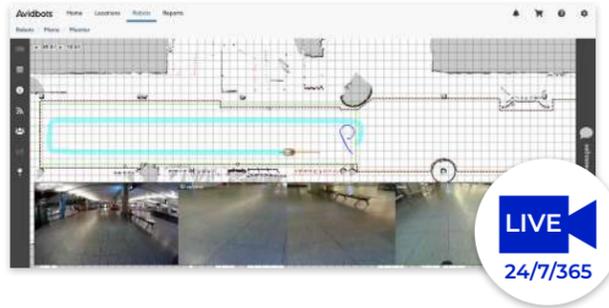
Pinpoint under-utilized Neos via customizable visual indicators.



Compare cleaning performance across all locations and then identify Neos in need of improvement.



Investigate any issues within specific cleaning runs at a high-level view with drill-down capabilities as needed.



Real-Time Monitoring

View the online status and location of your Neo(s) at a high level or take a deep dive into each cleaning process with Avidbots Command Center: Real-Time Monitoring.

You can access real-time video of your Neo(s) providing you with insight into the cleaning operation when you're away.

On the go? The Avidbots Command Center supports automated alerts to mobile devices for events such as cleaning completion and performance, required water changes, routine maintenance and other activities.



Remote Assistance

While Avidbots Autonomy delivers autonomous cleaning in dynamic environments, all robots will eventually get stuck when significant environmental changes or blockages occur. What happens then?

Avidbots' Remote Assistance service supports every Neo robot 24/7/365 with a dedicated Avidbots team, who are on stand-by for each cleaning operation around the world in real-time, tracking Neo as it cleans. Should an issue occur, our experts can remotely assist Neo in getting back on track using the onboard cameras. Additionally, our experts have the ability to investigate and often resolve stops.

Avidbots Customer Success

Neo is the most sophisticated multi-application cleaning robot on the market; just as revolutionary is the support provided by Avidbots behind each Neo. Whether you are purchasing one Neo, or an entire fleet, our world-class customer success program is here to help you.

From the moment you receive your robot, our factory-trained technicians assist with your Neo deployment. This includes creating cleaning plans unique to your facility as well as training your staff on operating and maintaining your Neo and Avidbots Command Center.

Avidbots customer service does not end after your initial deployment. The Avidbots Customer Success team monitors your Neo, working with you to continuously improve based on changing environments, construction, temporary obstructions, weather and traffic patterns.

As part of the Avidbots Customer Support, the Avidbots Gold Service Plan* maximizes productivity, limits downtime and protects your investment! Regularly scheduled maintenance and comprehensive inspections extend Neo's lifespan, ensuring reliable cleaning and safe operation.

The Avidbots Difference: It's Our Secret Sauce

Built from the ground up to be a robot, Neo is optimized for autonomous cleaning and disinfection. Combine that with Remote Assistance and Neo delivers a truly autonomous clean. Neo is the smartest robot floor scrubber in the marketplace today and will revolutionize how you think about cleaning.



Avidbots Customer Success & Gold Service Plan

The Gold Service Plan is tailored to the specialized needs of your Neo(s). The service is provided by Avidbots-trained and certified technicians, experts who know your Neo and understand what maintenance is needed to keep Neo operating at peak performance.

Three preventive maintenance visits will be completed each year keeping your Neo(s) performing at their best, ensuring each Neo delivers the optimal clean within your facility!

During each preventive maintenance visit, the Avidbots Service Expert will complete a 360° inspection of Neo checking all components and parts. In addition, all consumables including brushes or pads and squeegees will be replaced as needed at no additional cost to you! The visit will be scheduled at a date and time that is convenient for you and will take place at your facility, where Neo is!

What's Included in the Avidbots Gold Service Plan?

Task	Gold Service Plan
Preventive Maintenance	Every 480 Hours (Up To 3 Visits / Year)
Break Fix	Included
All Parts and Labor	Included

Preventive maintenance should be performed every 480 hours. For example, at 120 hours-per-month usage, Avidbots Service Experts will visit your facility every four months. At 240 hours-per-month usage, maintenance is needed every two months. Additional preventive maintenance service visits beyond the 3 / year can be scheduled as needed at an additional cost.



Delivering Peace of Mind!

When Neo is deployed in your facility it's important that it delivers the same fully autonomous clean on day one as it does on day 365! As you can imagine with a sophisticated robot like Neo that is tasked with cleaning the floors of your facility, maintenance is important to keep it operating at peak performance. The Gold Service Plan does just that!

A Neo with the Gold Service Plan will lower the total cost of ownership, increase cleaning efficiency and deliver peace of mind!

*For further information or details regarding coverage please refer to the Avidbots Gold Service Plan T&Cs.

Why Avidbots?

Buying an Avidbots Neo isn't just buying a floor scrubber. It's investing in a technological future that can redefine your cleaning function, making it more productive, more cost effective and easier to run. More importantly, our robotics and AI technology open up new opportunities to make your business even more successful. We realize this isn't just about buying a product, or a technology, or even a business proposition. You want to buy into a trusted partner who can take you into the future of automated operations using cutting edge robotics. At Avidbots, we work side-by-side with our customers to earn that trust and realize all the benefits that robotics can bring them.



About Us

Avidbots is a robotics company with a vision to bring robotic solutions into everyday life to increase organizational productivity and to do that better than any other company in the world. Our groundbreaking product, the Neo autonomous floor scrubbing robot, is deployed around the world and trusted by leading facilities and building service companies. Headquartered in Kitchener, ON, Canada, Avidbots is offering comprehensive service and support to customers on 5 continents.

Contact us now for a meeting



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