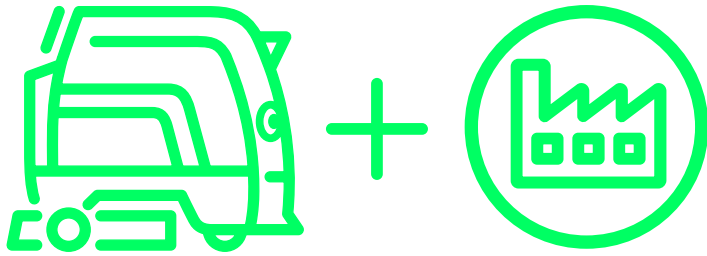


Neo 2W for industrial manufacturing

Meet Neo 2W, the fully autonomous floor scrubbing robot purpose-built for industrial environments.



Avidbots®



Industrial-scale manufacturing creates industrial-sized messes

Premium product quality standards and a safe working environment rely heavily on cleanliness. A natural by-product of the manufacturing process, large-scale manufacturing guarantees any mess will spiral into a larger issue if left unchecked. Oil, fluids, particulates and more are persistent cleaning challenges.

To ensure high productivity and cleanliness standards, facility managers face many difficulties:

Safety and efficiency

In 24/7 production settings, shift employees are constantly coming and going while large equipment is always running. Without frequent cleaning, it doesn't take long for the floors to get coated with particulate matter and liquids, creating a slip hazard for staff.

Heavy-duty cleaning

For proper operation of complex, large-scale machinery, cleanliness is critical. Employees can struggle balancing cleaning tasks while managing production requirements. Therefore, industrial manufacturing facilities require consistent and heavy-duty scrubbing around the clock.

Complex facility layouts

Manufacturing facilities are built for efficiency, not for cleaning convenience. Hard-to-reach areas, tight corners and large areas are common. As a result, it's a burden for facility managers to ensure all areas receive regular cleaning, as well as scheduling and tracking cleaning tasks.

The right robot for the job

Manufacturers understand the wisdom of using the right tool for the job, so using a labor-intensive manual cleaner or an inefficient semi-autonomous machine doesn't make sense. Neither does using a cleaning machine that wasn't specifically designed to work in a manufacturing environment.

Forward-thinking manufacturers are turning to fully autonomous cleaning robots that are purpose-built to operate in precisely those types of facilities. Featuring smart AI-driven navigation, an extensive suite of safety features, and a host of manufacturing-specific benefits, floor-scrubbing robots represent the next phase of innovation on the factory floor.

YOUR CHALLENGES

- ⚠ The need to clean, disinfect and maintain 24/7 production environments with shift employees constantly coming and going
- ⚠ Tough, industrial-level cleaning requirements as a result of the manufacturing process
- ⚠ Maintaining a safe and healthy workplace by mitigating dust exposure, biological viruses, flammable debris and slip hazards
- ⚠ Prioritizing cleaning and reallocating employees to custodial tasks in the face of staffing struggles
- ⚠ Ensuring all areas are cleaned regularly, properly scheduled and tracked

Autonomous floor cleaning for around-the-clock productivity

Neo 2W enables busy manufacturing facilities to improve operating standards across the board. The optimal solution to help production plants reach their goals, Neo 2W enhances the quality, consistency and affordability of floor care in dynamic manufacturing environments. With innovative artificial intelligence, advanced hardware, cloud software and live services, Neo autonomously navigates and scrubs complex floor plans, producing best-in-class efficiency and effectiveness.

Heavy-duty, industrial level cleaning

Consistent, around-the-clock cleaning prevents dust, dirt, debris and more from accumulating, creating a safer manufacturing environment. Neo 2W's separate cleaning solution and recovery tanks, swappable long-life batteries, and adjustable speed and water flow ensure enhanced and consistent cleaning quality standards.

Autonomous navigation and cleaning

Powered by Avidbots Autonomy, Neo 2W's sophisticated artificial intelligence maneuvers and navigates your facility without human intervention. Dynamic mapping and machine learning capabilities allow Neo 2W to keep up with changes to your environment, so you can focus on productive tasks instead of babysitting your cleaning equipment.

Facility-specific feature set

Manufacturing facilities have unique challenges that generic cleaning machines were not designed to handle. Neo 2W was purpose-built for these environments and comes with hardware and software features specifically for cleaning industrial spaces.

Safe, secure operation

Ten onboard sensors and 360 degrees of visibility ensure Neo 2W can safely and effectively work alongside your team in busy manufacturing environments. Possessing a robust set of advanced safety features, Neo contains multiple layers of protection. This includes a Blue Light that projects a visible warning light ahead, drawing attention to its path and alerting others nearby. Additional safeguards include e-stop buttons, bumpers, beacons, integrated signaling lights and a sound system.

Simple, versatile cleaning controls

Neo 2W's intuitive and user-friendly interface is easy for anyone to use. A large touchscreen makes selecting cleaning options effortless and straightforward. This includes cleaning plans, as well as switching back and forth between automated and manual cleaning modes as your needs change.

Remote Fleet Management and performance metrics

Neo's camera technology, integrated with the SaaS platform, permits approved staff to see what Neo sees via live remote monitoring. The full reporting suite empowers you to make smarter, more informed decisions about your cleaning operations, helping unlock new levels of productivity and efficiency.

PROVEN SOLUTION FOR INDUSTRIAL MANUFACTURING

- ✔ Raise and maintain cleanliness levels with 24/7 floor care and surface disinfection.
- ✔ Improve worker safety and product quality standards with enhanced cleaning performance.
- ✔ Enjoy fully autonomous cleaning with industry-leading object and obstacle avoidance.
- ✔ Reduce exposure to labor shortages, worker absenteeism, and employee illness and injury.
- ✔ Save hundreds of labor hours per month while reallocating staff to revenue-generating activities.
- ✔ Simplify site inspections and impress health and safety inspectors with detailed cleaning data.

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 make robots ubiquitous to unlock humanity's potential with a hyperfocus on autonomous cleaning. Our groundbreaking product, the Neo fully 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

Learn more about Neo.



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