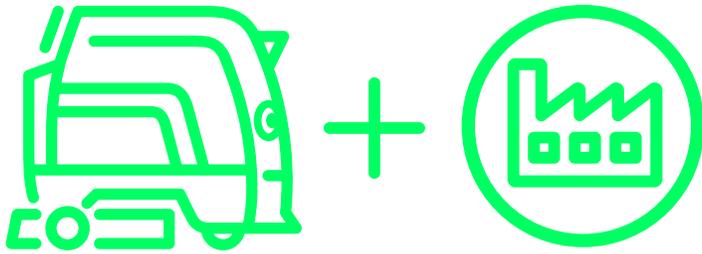


# Neo™ for industrial manufacturing

Meet Neo, the autonomous floor-scrubbing robot for industrial manufacturing operations.





Any facility conducting large-scale industrial manufacturing has a problem when it comes to plant cleanliness. Oil, fluids, dust and particulates are all by-products of factory operations. Left unchecked, this kind of mess can adversely affect production or, worse, become a safety hazard. Facility managers have much to consider:

#### 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 floors to be 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 particularly important. Employees often struggle with maintaining standards for cleanliness while managing production requirements. Industrial manufacturing facilities require tough, heavy-duty scrubbing almost constantly.

#### Complex facility layouts

Manufacturing facilities are built for efficiency, not for cleaning convenience. Hard-to-reach areas, tight corners and large areas are common. It's a burden for facility managers to ensure all areas are cleaned regularly—not to mention scheduled and tracked.

Forward-thinking manufacturers are turning to autonomous cleaning solutions to realize operational efficiencies and improve worker safety. Featuring smart AI-driven navigation, easy operation 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 the around-the-clock production facility

Neo is the world's leading automated floor scrubber for large, commercial spaces. Using AI-driven automation, advanced hardware, cloud software and live services, Neo automatically navigates and scrubs tough industrial floors with complex floor plans.

### Heavy-duty, industrial level cleaning

Consistent, around-the-clock cleaning reduces dust kick-up and spilt product to create a safer work environment. Neo is built with high-capacity water tanks, swappable long-life batteries and adjustable speed and water flow for heavy-duty cleaning.

### Safe, secure operation

With Avidbots Autonomy, Neo has dynamic planning capabilities allowing it to adapt to changes in the environment. Additionally, Neo has advanced real-time obstacle avoidance. With 10 sensors, Neo has an industry-leading 360 degree visibility. Neo's state-of-the-art technology combines with advanced safety features including e-stop buttons, bumpers, beacons, integrated signaling lights, and a Blue Light and sound system to ensure environmental safety.

### Simple, versatile cleaning configurations

The user-friendly touchscreen interface and manual steering option make Neo easy to use. Facilities can add-on the Blue Safety light for increased visibility and Side Sweeper to clean tight corners and hard-to-reach areas, increasing cleaning coverage up to 33%. Disc and cylindrical brush configurations are available in multiple sizes to suit a wide range of factory floors and tasks.

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The Avidbots Neo Autonomous Floor Scrubber is being used at our facility to eliminate a non-value-added task from our production team and improve safety, as our material is lubricious and can create slippery walkways. Since deploying the unit, we have received excellent customer service and quick responses from [Avidbots].

— **Jeff Williams, Engineering Manager,  
Saint-Gobain Ceramics/Boron Nitride**

### Remote Fleet Management and performance metrics

Facility managers can check in on a unit at any time and get a host of useful information using the Avidbots Command Center web-based software. The Avidbots Command Center is an intuitive, always-on, multi-language interface, accessible from any web-enabled device, to monitor and manage robot scrubber fleets in real time. 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 provides key metrics to ensure the robot is used to its full potential.

### NEO'S SOLUTION

- ✓ Consistent around-the-clock cleaning and disinfecting reduces dust kick-up, the spread of biological viruses and timely clean-up of a spilt product to create a safer work environment
- ✓ A high-performance frame with high-capacity water tanks, swappable long-life batteries, and adjustable speed and water flow for heavy-duty cleaning — includes the Blue Light for increased visibility
- ✓ Avidbots Autonomy enables industry-leading navigation with object/personnel avoidance
- ✓ With Neo cleaning expansive warehouse and factory floors, management can assign labor to the most valuable tasks while reducing employee injuries and absences due to repetitive strain and fatigue
- ✓ The Avidbots Command Center, accessible from any web-enabled device, lets managers monitor and control robot scrubber fleets in real time — the reporting dashboard provides key metrics to ensure the robot is used to its full potential

## 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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