

NEO™

The Future of Floor Cleaning



THIS IS NEO

THE SMARTEST PURPOSE-BUILT COMMERCIAL CLEANING ROBOT.

The Avidbots Neo is the only fully-integrated autonomous floor scrubbing robot. Neo is designed from the ground up for maximum cleaning performance and productivity. This innovative solution enables you to lower cleaning costs while delivering superior cleaning.

- Neo manages the demanding task of scrubbing floors and frees your cleaning staff to concentrate on more valuable tasks. Neo reduces fatigue, errors and repetitive strain injuries for your cleaning staff.
- Neo cleans better and more consistently than humans. As an autonomous robot, Neo doesn't get tired or sick, resulting in maximum uptime and productivity.
- Neo's simple setup and intuitive operator interface makes it ready to run without special training or programming. Just a simple mapping and file loading and Neo is ready to clean! Neo automatically detects route changes and dynamically updates its map.



PRECISION PERFORMANCE

Neo can navigate within 5 cm (2 in) accuracy in a cleaning area and can clean up to 1.26 m (4 ft) per second. Performance can be tracked through our proprietary monitoring and web-based dashboard, which produces detailed auditable reports.

SERVICE & SUPPORT

Each Neo can detect problems before they start, and specially-trained robotics experts are remotely monitoring performance – 24 hours / 7 days a week. Avidbots Service Plans provide regularly scheduled maintenance and comprehensive inspections to maintain performance.

INTEGRATED TECHNOLOGY

Neo is equipped with a wide variety of state-of-the-art technologies: Wi-Fi, 4G, GPS, laser and 3-D cameras. Neo is programmed for accuracy and can clean within centimetres of walls and obstructions

MONITORING & REPORTING

We're constantly monitoring Neo's performance - 24 hour/7 days a week. If Neo ever encounters a problem that it cannot handle on its own, we can assist remotely in real-time. Neo produces highly detailed reports of every cleaning, including productivity and coverage maps.

BUILT FOR LONGEVITY

Neo features a rugged and robust construction that's built to last. Premium components include an industrial strength battery that operates up to 5 hours without recharge. Features include best-in-class coverage, navigation, and water tank capacity, which result in virtually non-stop productivity.

SAFE AND QUIET

Designed with safety as a priority, Neo recognizes and works around obstructions using integrated collision avoidance technology, 3-D cameras and lasers. Safety features include bumpers and flaps, e-stop buttons, warning lights, auto shutoff, and a low 72 dBA noise rating.

AUTONOMOUS AND MANUAL OPERATIONS

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 autonomous floor scrubbing mode.



TECHNICAL SPECIFICATIONS

BRUSH SYSTEM

Type:	Cylindrical or Disc
Cylindrical Sizes:	61 cm (24 in) 81 cm (32 in)
61 cm pressure:	27-41 kg (60-90 lb)
81 cm pressure:	32-45 kg (70-100 lb)
Disc Sizes:	66 cm (26 in)
66 cm pressure:	41-82 kg (90-180 lb)

TANKS

Solution tank:	120 L (32 gal)
Recovery tank:	124 L (33 gal)

BATTERY SYSTEM

Details:	36 V - 260 Ah
Running Time:	Up to 5 hours
Chemistry:	Lead acid

MACHINE SPECS

Dimensions:	1.4 x 0.6 x 1.2 m (4.7 x 2 x 3.9 ft) (L x W x H)
Weight full:	476 kg (1050 lb)
with batteries:	358 kg (790 lb)
empty:	159 kg (350 lb)

CONNECTIVITY

WiFi:	802.11 b/g/n
Cellular:	4G+GPS

SAFETY

E-stop button
E-stop bumpers
Warning lights
3D obstacle avoidance

USER INTERFACE

Onboard LCD Screen:	Intuitive and easy to use touchscreen user interface
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ENVIRONMENTAL

Sound Level: 72 dBA

ABOUT AVIDBOTS

At Avidbots, we're passionate about robots making life easier and better. So we created the Neo robot to solve the challenges of commercial floor cleaning. We partner with in-house facilities managers and building service

contractors – providing them with specialized resources and training – to achieve lower cleaning costs, avoid workplace issues, and enhance cleaning services and performance through increased productivity.



Neo is delivering floor cleaning innovation to large commercial spaces such as shopping malls, hospitals, airports and educational institutes.

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