

# FX250

## AUTONOMOUS CLEANING ROBOT



### IDEAL FOR LARGE VENUES

- Event Centers
- Warehouse/  
Distribution Centers
- Sports Arenas
- Airports
- Malls/Retail Centers
- Government  
Facilities
- Hospitals
- Schools/Universities

### INCREASE SAFETY AND EFFICIENCY

The FX250 brings safety and cleaning efficiencies to large indoor spaces (listed above). Manually sweeping or vacuuming these areas puts excessive strain on the body, resulting in increased musculoskeletal injuries. Implementing robotic technology reduces workplace injuries while allowing your team to focus on the more high-touch tasks. The FX250 enables the effective reallocation of resources while minimizing work-related injuries.

### THE FUTURE OF COMMERCIAL CLEANING

The FX250 Autonomous Cleaning Robot is the most efficient and user-friendly robot on the market. With an eight-hour run time, the FX250 is ideal for large commercial spaces. Built from the ground up to be fully autonomous, its interchangeable tools, 3D mapping, and navigation and obstacle avoidance technology set the FX250 apart from the rest. In addition to full autonomy, the FX250 includes a teach and repeat mode.

### INTERCHANGEABLE TOOLS

The FX250's design offers cleaning solutions for a wide variety of floor surfaces. It is comprised of a main chassis and multiple tool modules for various cleaning options and cost savings. Whether deep cleaning carpets or sweeping up larger debris, the FX250's tools are the solution to your floor cleaning needs.

### NAVIGATION & OBSTACLE AVOIDANCE

The FX250's 3D LiDAR (Light Detection And Ranging) technology and ultrasonic sensors ensure it is always aware of its environment. The 3D LiDAR creates a 360-degree map of the cleaning area. This map allows the FX250 to view everything from the floor to the ceiling for up to 100 meters. Additionally, the FX250's ultrasonic sensors detect glass and other transparent surfaces. Whether the task area includes garbage cans, tables, and chairs, or people, the FX250 detects all obstacles and easily maneuvers around them.

### BATTERY TECHNOLOGY

Powered by a lithium-ion battery, the FX250 boasts an extended run time. Depending on the tool in use, the FX250 offers an eight to ten-hour run time. The vacuum tool pulls more power and lends itself to an eight-hour battery life. The sweeper tool requires less power and will last as long as ten hours. On top of the extended run time, the lithium-ion battery is rechargeable and lasts for several years, even under extreme use. Charging is fast and easy by simply plugging the FX250 into an electrical outlet.

# FX250

## SPECIFICATIONS AND INTERCHANGEABLE TOOLS

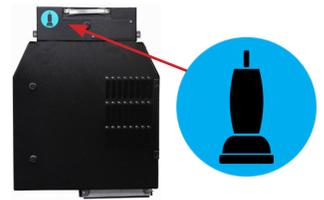
### MAIN UNIT



SIZE	W:	26.5 in.
	L:	47 in.
	H:	47 in.
WEIGHT	700 lbs.	
CLEANING PATH	29.75 in.	
SPEED	Work:	1.75 mph.
	Transit:	2.25 mph.
BATTERY TYPE	Lithium Ion	
RUN TIME	12 hrs. (max.)	
ALARMS/ALERTS	Turn signals	
	Email/Text message	
	Audible back up alarm	
CERTIFICATION	CE Certified	
	EN 61000-6-1:2007	
	EN 61000-6-3:2007+A1:2011+AC:2012	

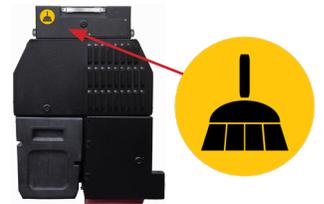
### VACUUM

WEIGHT	RUN TIME	MODES	BRUSH HEIGHT	BAG SIZE	BRUSH SYSTEMS	BRUSH SIZE	MAXIMUM COVERAGE
170 lbs.	8 hrs.	Eco & Deep Clean	Automatic adjustment	12 gal. with HEPA filter	Dual, counter-rotating brush	W: 20 in.	21,000 sqft/hr



### SWEEPER

WEIGHT	RUN TIME	BRUSH HEIGHT	BIN SIZE	BRUSH SIZE	MAXIMUM COVERAGE
150 lbs.	10 hrs.	Automatic adjustment	8 gal.	W: 20 in. D: 10 in.	21,000 sq ft/hr



### OTHER TOOLS IN DEVELOPMENT

### ABOUT DISCOVERY ROBOTICS

Founded in 2014, Discovery Robotics' mission is to increase human productivity, safety, and quality of life by creating value-driven robotic solutions. Discovery Robotics is headquartered in Pittsburgh, PA, one of the largest robotics ecosystems in the world.

