

Safety & Reliability



Hands-Free Cleaning®

We understand that safety in the workplace is critical.

Our products come equipped with an array of built-in safety features to protect your customers and employees. The result is safe, reliable floor-cleaning solutions for every environment.

- **100% safety rating** - No Hands-Free machine has caused an injury.
- **Obstacle detection & avoidance** - Using ultrasonic sonar, machines can detect obstacles to avoid collision.
- **Instant braking** - Machines stop in 0.48 seconds if someone walks across their path.
- **Touch sensors** - Machines are equipped with an additional safety system which stops movement if the machines come in contact with any object.
- **Safety beeper** - Alerts people when in motion, and changes beep patterns based on its movement.
- **Stop/turn indicators** - Each machine has a headlight and front and rear lights to signal turns, stopping or backing up.
- **Stair avoidance** - Floor and surface sensors prevent machine from driving off docks and stairs.

100% safety rating - machines have caused no injuries.

FEATURES	DESCRIPTION	SWINGOBOT 1650™	DUOBOT 1850™	AEROBOT 1850™
Advanced sensor & sonar technology	Advanced sensor & sonar technology. Up to 19 ultrasonic sonars (beyond hearing range of people or animals) providing 360° of coverage allow machine to navigate around stationary or in-motion obstacles	X	X	X
Obstacle detection/avoidance	Machine detects stationary and moving obstacles to avoid collisions; stops to allow people to pass	X	X	X
Instant braking	Machine stops in 0.48 seconds if someone walks in front of it	X	X	X
Touch sensors	Additional safety system comprising a flexible plastic "skirt" that's wrapped around the lower perimeter of machine which stops the machine if it makes contact with an object	X	X	X
Floor & surface sensors	Prevents machine from driving off docks and stairs	X	X	X
Emergency stop button	Pushing RED button, located on instrument panel, stops machine immediately, turns off all motors and sends audible and visual alerts, along with Intelli-Trak™ notifications	X	X	X
Safety beeper	Configurable safety beeper alerts people of machine at work and changes beep patterns based on machine motion	X	X	X
Pause feature	Cleaning can be quickly paused by operator if path is blocked	X	X	X
Turn/stop indicators	Similar to cars, each machine equipped with headlight and front and rear lights to signal intention to turn, stop or back up	X	X	X
Controlled speed	Machine consistently runs at 1 mph, never faster	X	X	X
On-board diagnostics	Built-in safety checks performed when machine is powered on to ensure machine runs correctly before starting; diagnostics also continuously monitor machine while it's running	X	X	X
Sealed batteries	Eliminates exposure to battery acid and hydrogen gas venting	X	X	X
Smart battery charger	Prevents overcharging batteries	X	X	X
Pivot turns	After pivoting, machine backs up to collect any residual water	X	X	