

# Robotic cleaning just got easier

## The New SC50

### Every minute counts. Get the most out of it.

With the Nilfisk SC50, we've made autonomous cleaning even easier. Our aim is simple: to help you clean consistently and get the most out of your time and resources with an easy-to-use, ultra-efficient, long-running robotic scrubber-dryer.

### Extremely easy to use

Get started quickly, minimize training time, and experience seamless operation.

### Maximize efficiency and productivity

Optimize your workforce, elevate performance and get the most out of resources.

### Consistent and reliable cleaning

Achieve the highest standard of clean, each and every time.



### Key features include

- Intuitive interface and 15-inch touchscreen with easy-to-understand controls and step-by-step guidance simplifies the operation and minimizes training time.
- CopyCat™ mode – replicates a designated cleaning path
- Fill-in mode – lets you implement autonomous cleaning the fastest way possible
- Manual mode – give you complete control over movement and cleaning
- Smart Obstacle Detection and Go-Around – tracks obstacles around the machine
- Independent Safety System – creates a safety zone around the machine and detects any danger in the surroundings
- One of the world's only 3rd party certified robotic cleaning solutions
- 5.5-10 hours of run time
- Lithium battery compatible – Increase runtime up to 10+ hours and take advantage of opportunity charging.

### Typical applications include

- |                                        |                       |
|----------------------------------------|-----------------------|
| • Schools and Universities             | • Retail              |
| • Hospitals/Healthcare Facilities      | • Airports            |
| • Entertainment and Convention Centers | • Office Buildings    |
|                                        | • Facility Management |

**ECOFLEX™**

**SMARTFLOW™**

**REV™**

# NILFISK

1. **Optional lithium battery** with up to 10+ hours of run time
2. **Rev technology** with up to 2.5 hours between dump and refill
3. **AGM or Lithium-ion batteries** to suit your cleaning needs
4. **Independent safety system machine sensors** to ensure safe operation
5. **Laser guards** that provide critical protection of robot sensors



6. **Newly designed 15-inch touch screen** and tutorials to minimize training and ensure a seamless operation
7. **Fill-in mode** to eliminate day to day variability with consistent result
8. **EcoFlex™ onboard detergent system** to provide flexible cleaning performance
9. **Pin code** to ensure secure user access
10. **On-screen guidance** that is extremely easy to implement into your current staff
11. **Program routes** to help you clean in minutes

## Technical specifications

Models	SC50 (X20R) REV	SC50 (X20D) Disc
Scrub Head	REV™	Disc
Scrub Path	20 in (51 cm)	20 in (51 cm)
Solution Tank	15 gal (57 L)	15 gal (57 L)
Recovery Tank	14 gal (53 L)	14 gal (53 L)
Machine Voltage	24V	24V
Battery Capacity (max)	255Ah AGM / 384Ah Lithium-Ion	255ah AGM / 384ah Lithium-Ion
Protection Grade	IPX4	IPX4
Scrub Brush Speed	2250 RPM – 1/4 orbits & macro of 10-30 RPM	157 RPM
Vibrations at the Hand Controls (ISO 5349-1)	0.17 m/s²	0.17 m/s²
Vibrations for the Whole Body (ISO 2631-1)	0.01 m/s²	0.01 m/s²
Max Transport Speed – Manual Fwd.	3.1 mph (5.0 kph)	3.1 mph (5.0 kph)
Max Transport Speed – Manual Rev.	1.62 mph (2.6 kph)	1.62 mph (2.6 kph)
Max Speed Autonomous	2.35 mph (1.055 m/s)	2.35 mph (1.055 m/s)
Max Theoretical Productivity in Autonomous	20,400 ft²/hr (1.895 m²/hr)	20,400 ft²/hr (1.895 m²/hr)
Sound Pressure Level (IEC 60335-2-72)	63 dB A / .029344 µPa	63 dB A / .029344 µPa
Gradeability – Manual Transport	15% (8.53°)	15% (8.53°)
Gradeability – Manual Cleaning	9% (5.14°)	9% (5.14°)
Gradeability – Autonomous	2% (1.15°)	2% (1.15°)
Minimum Aisle Turn Width – Manual	62.7 in (159.2 cm)	62.7 in (159.2 cm)
Squeegee Width	30.2 in (76.7 cm)	30.2 in (76.7 cm)
Length	53.3 in (135.5 cm)	53.3 in (135.5 cm)
Width	30.0 in (76.1 cm)	30.0 in (76.1 cm)
Height	56.8 in (144.1 cm)	56.8 in (144.1 cm)
Gross Weight (standard machine w/o options; w/full solution tank, empty recovery tank, batteries installed) – with 165 lb / 75 kg operator	1067.9 lb (484.4 kg)	1057.1 lb (479.5 kg)
Model Numbers	56126007 – US rev	56126006 – US disk
European Part numbers	56126009 (EU REV)	56126008 (EU Disc)



### Independent safety system

Separate system independent of the mapping, obstacle system and path planning. Overrides robotic system and can immediately stop if an unsafe event is detected.



### Digital solutions

The SC50's digital solutions enable you to take proactive actions by providing timely information specific to your site and machine. Cleaning job reports detail where you cleaned, when you cleaned, and who cleaned. Operator receives real-time updates of machine performance sent to their cellphone through TextAssist.



### Path planning

CopyCat™ is designed to do exactly what the operators trains the machine to do. Fill-in is the fastest way to start cleaning and is optimised for larger spaces.

