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Korben Phantas 50



All-in-One Self-Washing Floor Robot

The Phantas 50 has Equipped with cutting-edge technologies such as **LiDAR**, **depth cameras**, and advanced sensors, Phantas 50 navigates with agility and precision, even in complex environments.

Thanks to its compact design, it can efficiently clean up to **1,000 m² per charge** while delivering **edge-to-edge cleaning at 0 cm**, ensuring a spotless finish.

With advanced features combining **sweeping, vacuuming, washing, and mopping**, it adapts seamlessly to **various floor types**, including hardwood, carpets, and tiles.

Phantas 50 is the ultimate solution for automated, reliable, and eco-friendly maintenance, perfectly suited for offices, hotels, retail stores, and other demanding spaces.

Key Benefits

All-in-One Solution

Integrates vacuuming, scrubbing, sweeping, and dust mopping in a single solution for comprehensive floor care.

Compact design

Small enough to fit through a narrow aisle (L>60cm) or under tables (H>65cm).

Zero Distance Edge Cleaning

Able to clean along the edges at zero distance, leaving the edges spot-free.

Ergonomic handle

Automatic mode shift (Auto/Manual) via handle position detection, and effortless control with power assistance.

Docking Stations

Optional workstation for auto charging and water management, and an optional mobile water tank for on-demand water supply.

Flashing Light

Ensures safety and effective performance in low-light conditions by alerting nearby pedestrians.



Product Characteristics

Size (L*W*H)	540×440×617 (mm)
Weight	48kg
Autonomy	Scrubbing 4.5h; Vacuuming 4.5h; Sweeping 12h; Dust Mopping 10h;
Charging Time	2h
Noise Level	≤65dB
Cleaning Efficiency	350-600m ² /h
Cleaning Width	Scrubbing 330mm, Vacuuming/Sweeping 410mm
Cleaning Water/ Sewage Tank Capacity	11.5L/ 10.5L
Maximum Cleaning Speed	0.8m/s
Maximum Suction Force	16 KPa
Battery	40Ah
Minimum Passage Width	600 mm
Minimum U-turn Width	750 mm
Trash Can / Dust Bag Capacity	0.7L / 6L (Holds 3-7days' dust)
Dimension Charging Station (L*W*H)	345×195×689 (mm)

Main LiDAR:

Manages mapping, positioning, and obstacle avoidance.

High-performance TOF system providing 360° detection up to 25 meters, even under strong light conditions (80,000 lux).

AI-Powered Perception

Smart Obstacle Avoidance.

Spot Cleaning Mode.

RGB and Depth Oblique Camera:

Dual-lens 3D camera with a resolution of 1920 x 1080 at 30 fps.

Accurately detects obstacles within a range of 0.3 to 3 meters.

Generates reliable 3D data for close-range obstacle avoidance.

Touchscreen Display:

Intuitive 7-inch screen for configuring settings and accessing functions via an integrated app.

Floor Type Recognition

Identifies flooring types and automatically adjusts brush height to protect flooring materials.

