

u·Clean COMPACT PRO

A small form factor cleaning robot – ideal for small to medium sized facilities and their cleaning needs that can recharge and refill water independently



4 in1 cleaning robot; able to do **scrubbing, mopping, sweeping and vacuuming**



Compact design allows the robot to clean narrow aisles or under tables

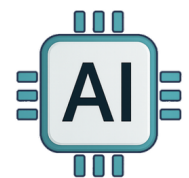


0 cm Edge Cleaning to maximize the cleaning coverage



Human Safety and **Data Privacy** prioritized with highly sensitive sensor technology and certificates

VERSION: EN-1-1-6-2403-1.0



ROBOTICS AS
Robots For Smarter Environments

uClean Compact Pro



Floor Recognition



No-Code Software user interfaces



Easier Maintenance of cleaning components and automatic water exchange



Task Management



Online Dashboard over mobile app or cloud platform



Door and Elevator Management enabling easy control and utilization of existing automated systems



Real-time Operation data (Creating 3D Point Cloud)

uClean Compact Pro adapts seamlessly to your facilities cleaning needs thanks to its unique 4-1 combination of cleaning methods. Due to its small form factor, uClean Compact Pro can reach under any table and it can pass through narrow aisles. uClean Compact Pro helps keep your facilities clean and relieves your employees from mundane floor cleaning activities. In combination with the uHarbor 03 it enables automatic recharging, water refilling and drainage.

uClean Compact Pro

Basic Functions/Equipment

- 4-1Cleaning Robot
- Small Design and 0cm Edge Cleaning
- Embedded Screen
- Safety 2D LiDAR
- Buzzer & Bumper
- Floor Recognition
- Camera
- Speakers
- LED Lights
- Wireless charging and water refill

Technical Specifications

Dimensions	Length	540 mm
	Width	440 mm
	Height	617 mm
Working Environment	Operating Temperature	0°C - +40°C
	Operating Humidity	20% - 75% non-condensing
	Sound Volume	65 dB
	Max. Mapping Area	≤ 30,000 m ² (max. 2,000 m ² for one task)
Storage Conditions	Temperature	-30°C - +75°C
	Humidity	Max. 93% non-condensing
Navigation	Max. Speed	0.8 m/s
	Min. Passing Width	600 mm
	Min. passing height	650 mm
	Min. U-turn Width	750 mm
	Passability Slope	≤ 8°
	Gap Pass-over width	Max. 35 mm
	Obstacle Pass-over Height	Max. 17 mm
Working Widths during Cleaning	Scrubbing	330 mm
	Vacuuming	410 mm
	Sweeping	410 mm
	Mopping	330 mm

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Power	Input Voltage	28V DC	
Charger	Input Frequency	100 – 240 V AC	
	Dimensions	50 – 60 Hz	
	Weight	200 × 350 × 690 mm	
Wireless Charging System (optional)	Working Temperature	9 kg	
	Working Humidity	0°C – 45°C	
	Storage Temperature	20% – 75%	
	Storage Humidity	-30°C – 70°C	
	Input Voltage (AC)	20% – 95%	
	Input Current (AC)	100 – 240 V	
	Input Power	10 A	
	Output Voltage (DC)	1,000 W	
	Output Current (AC)	28 V	
	Output Power	25 A	
	Min. Installation Space	735 W	
	Brush Pressure	1,600 × 800 × 1,000 mm	
	Scrubbing runtime	6 kg	
	Scrubbing	Disc Brush	4-4.5h
		Brush Type	No
Clean Water Tank Capacity		2 * Roller Brush	
Recovery Water Tank Capacity		11.5 L	
Cleaning Area Per Full Water Tank		10.5 L	
Squeegee Width		>1,000m ²	
Filtration Function		490 mm	
Max. Vacuum Pressure		No	
Dust Bag		16 Kpa	
Dust bag capacity (in days)		6 L	
Vacuuming	Vacuuming runtime	3-7 days	
	Side Brush	3.5-4h	
	Roller Brush	Yes (1× Side Brush)	
Sweeping	Roller Brush Cleaning Width	Yes (2× Roller Brush)	
	Trash Box	330 mm	
	Sweeping runtime	0.7 L	
		14h	

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Mopping	Mopping width 350 mm Dust mopping component 350 mm 53 kg 1* Roller cloth + 1* Roller brush 10h
Weight (empty, incl. battery)	Scrubbing/Dust Mopping: 950 sqm/h Vacuuming/Sweeping: 1180 sqm/h 0 mm
Cleaning efficiency	
Min Cleaning distance from Wall	PVC Plastic, Artificial Marble, Epoxy, Smooth Concrete/Cement, Ceramic
Cleanable Surfaces	Tiles, Carpet, Hardwood, Nylon, Olefin Polyester and Belgian Bluestone Model: Topband
Battery	Type: LFP Battery Battery Capacity: 40 Ah Charging Time: 2 hours Operation Time: 4 h (scrubbing / vacuuming) 14 h (sweeping) 10 h (mopping)
Radio Module (Protocols)	802.11n/ac 2X2 MU-MIMO 2.4GHz/5GHz Wifi & Bluetooth Low Energy 5.x 2/3/4G, Lora
International Product Compliance	CB, CE, UKCA, UL
Product Safety Compliance	Machine Directive EN ISO 12100:2010 EN 60335-2-72:2012 EN 60335-1:2012+A11:2014 +A13:2017 + A1:2019 +A14:2019+A2:2019 + A15:2021 EN 62233:2008 EN ISO 13849-1:2015 EN ISO 13849-2:2012 Risk Assessment & Design

uClean Compact Pro

Electromagnetic Compatibility (EMC)	EMC Directive IEC 61000-6-1: 2019
Radio Certification	IEC 61000-6-3: 2021 Radio equipment directive EN 300 220-1 V3.1.1, EN 300 220-2 V3.1.1 EN 300 328 V2.2.2, EN 300 440 V2.2.1 EN 301 489-1 V2.2.3, EN 301 489-3 V2.1.1, EN 301 489-17 V3.2.4 EN 301 489-52 V1.2.1 EN 301 511 V12.5.1, EN 301 893 V2.1.1 EN 301 908-13 V13.1.1, EN 301 908-1 V15.1.1 EN IEC 62311:2020
IP Rating	IPX3
Insulated hoses for cleaning equipment	ISO 13849 compliant
Environmental Management Compliance	ISO 14001
Occupational Safety	ISO 45001
IT Safety Compliance	ISO 27001:2013
Charger Safety Compliance	ISO 27701
Battery Safety Compliance	Low voltage directive IEC 60335-2-29: 2016+A1 IEC 60335-1: 2010+A1+A2 Topband manufacturer certification IEC62133-2:2017, UN38.3
Network Communications	Restful APIs

uClean Compact Pro

ProductViews – uClean Compact Pro



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ProductViews – uCharge03



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Product Views – uHarbor 03



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Specification – uHarbor03

Supported Robots	uClean Compact Pro	
Main Functions	Automatic charging Automatic filling Automatic draining Self-cleaning	
Dimensions & Weight	Length	510 mm
	Width	558 mm
	Height	702 mm
	Weight	23 kg
Charging	Charging Voltage	29.4 VDC
	Charging Current	25 A
Refilling	Water supply method	Municipal water
	Water supply pressure	0.15-0.6 MPa
	Water flow rate	2~8L/min (depends on the water supply system)
Draining	Drainage method	Pump drainage
	Drainage flow rate	>20 L/min
	Drainage height	<1.5 m
Automatic Self-Cleaning	Functions	Automatic self-cleaning of robot suction pipe and squeegee, wastewater tank
		100-240 VAC ~8.1A 50-60 Hz
Power	Rated Input	900 W
	Rated Power	Wi-Fi (only used to communicate with robot for docking)
Communication	Wireless Communication Solution	
Others	Manual Charging	Support
	OTA Firmware upgrade	Support (via robot)
	Status indicator	RGB Indicator
	Power switch	Support
	IP code	IPX3