UR \ Cleaner

Autonomous floor scrubbing robot

UR\ Cleaner is an autonomous mobile robot (AMR) that maps its environment, plans its own routes and navigates safely without any additional infrastructure. It scrubs and dries flat floors in large spaces such as car parks, logistics parks, hypermarkets and shopping centres, and returns to its docking station on its own to charge and change water.



Key specifications

Run time per charge
up to 8 h

Daily cleaning performance
14,000 m²

Cleaning width
52–75 cm

Water tank capacity (clean / waste)
62 L / 62 L

Weight
170 kg without water

Turning radius
0 cm turns on the spot

Full specification

Dimensions and weight

Dimensions (W x D x H)	80 × 100 × 158 cm
Weight	170 kg (without water)
Minimum path clearance	110 cm
Turning radius	0 cm (turns on the spot)
Maximum gradient	up to 8%
Operating temperature	5-40 °C

Cleaning

Daily cleaning performance	14,000 m² / 24 h
Practical performance	1,200-1,600 m²/h
Cleaning width	52-75 cm
Working speed	0.3-0.8 m/s
Travel speed	1 m/s
Brush type	disc
Number of brushes	3, replaceable
Brush pressure	up to 30 kg
Dosing	adjustable water and chemical solution dosing
Clean water tank	62 L
Waste water tank	62 L

Power

Battery	Li-ion, 48 V DC, 150 Ah
Battery life	2,000 cycles
Run time per charge	up to 8 h
Charging time	up to 7 h

Navigation and safety

Navigation	3D lidar, 3D SLAM / VSLAM with sensor fusion
Perception	360°
Safety	3D scanner and cameras, safety system
Standards	IEC 63327, IEC 60335-1, ISO 13849-1

Docking station and unattended operation

Docking station included	yes
Docking station functions	charging, waste water draining, clean water refilling
Scheduler	yes, via UR Cloud System (allrobots.online)
Manual control	via app
Reporting	email, SMS, cloud system, external messaging apps

Connectivity and integrations

Communications	Wi-Fi, support for external integrations
IoT integrations	gates, elevators, external systems, allrobots.online
Consumables	rubber blade, scrubbing disc brush, scrubbing pad

Plan your robotic deployment with our experts office@unitedrobots.co · unitedrobots.co