

HDSA50

Heavy Duty Autonomous Robotic Scrubber



COLLABORATIVE AUTONOMOUS CLEANING

The compact HDSA50 autonomous scrubber-dryer is designed for everyday floor cleaning in high-traffic commercial and industrial spaces. It intelligently navigates spaces using Sensor Data Fusion and performs scheduled cleaning tasks with minimal human intervention. No technical skills or mapping setup are required, making it ideal for teams needing a plug-and-play solution. With integration into remote management applications, operators can monitor usage, receive alerts, and streamline maintenance with maximum efficiency.



HDSA50

Delivers smart, consistent scrubbing performance with minimal supervision and maintenance.

Technical Specifications

HDSA50

Cleaning Width	570 mm	Solution/ Recovery Tank Capacity	40/40 L
Squeegee Width	650 mm	Machine Dimensions	735 x 1100 x 680mm
Brush Pressure	Up to 15 kg	Machine Weight	240 kg



Features & Benefits

1 COMPACT 360° DESIGN

Circular design provides full visibility and excellent manoeuvrability for safe operation in tight and dynamic spaces.

2 MULTIPLE NAVIGATION MODES

Includes Learn & Play, Perimeter, and Manual modes to adapt to different environments and tasks.

3 ECO MODE OPERATION

Reduces water and energy consumption, lowering operating costs and supporting sustainability goals.

3 EASY MAINTENANCE DESIGN

Colour-coded components simplify daily servicing and reduce the risk of user error.

3 OFFLINE OPERATION CAPABILITY

Operates without internet connection, ensuring reliable performance in all environments.

3 MANUAL OPERATION MODE

Allows manual control for increased flexibility in complex or unpredictable areas.

3 HIGH-CAPACITY SYSTEM

40L tanks and high-efficiency lithium-ion battery deliver up to 4 hours of continuous operation.

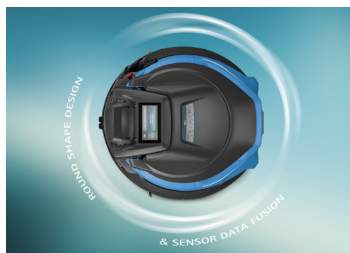
4 FAST DEPLOYMENT SETUP

Mapping-free setup allows the machine to be ready for operation within minutes.



5 ADVANCED SENSOR FUSION NAVIGATION

Combines ultrasonic sensors, 3D cameras, and odometry for precise navigation and reliable obstacle avoidance.



Scan to view video, manuals and more.

1800 100 150

conquestequipment.com.au

