



Dynamic Switching Mode

Quickly switch from Auto to Manual cleaning mode, allowing superior adaptability to complex area layouts.



Modular Components System

Quick access parts for fast maintenance:

- Clean Water Tank
- Recovery Tank
- Switching battery



Multi-Platform Interface

Directly or remotely control TUCLEAN W3 for flexible deployment.

Easily controlled through Apps

Technical Specifications

Cleaning Width	400 MM
Cleaning Efficiency	400M ² / Hour
Vacuum Power	12 Kpa
Clean Water Tank	5.3 L
Recovery Tank	5.3 L
Scubbing Operations	2 Hours
Charging Time	1.5 Hours
Battery Type	15 Ah / 25.6 V, LiFePO4
Passable Width	500 MM
Clearance Height	400 MM
Threshold Crossing	12 MM
Operational Speed	0.5 M / S
Climbing Rate (Max.)	5°
Noise Level	65 dBA
Sensors	2D LIDAR (x3)
	Ultrasonic Sensors (x6)
	TOF (x2)
	3D TOF (x1)
	Electronic Bumper (x1)
Weight	28.3 KG (with battery)
	24 KG (without battery)
Dimensions (L x W x D)	445 x 514 x 365 MM



TUCLEAN W3

Ready, Set, Clean!





TUCLEAN W3

READY, SET, CLEAN!



Designed to start **cleaning operations instantly**, **reducing interaction** with the cleaning operator. Able to adapt to complex areas while **maximizing productivity** and cleaning efficiency.

Quick Clean Operations

No Mapping and Tasking Required!



Start Cleaning Operations Instantly

TUCLEAN W3 will automatically start cleaning operations, focusing on selected specific areas with an adjustable coverage, ranging from 1x1M to 10x10M.

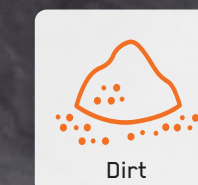
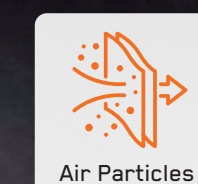
AI Debris Recognition

Detect and identify larger objects and debris that cannot be collected. A notification alert will be sent to the cleaning operator to take further action.



Triple-Stage Collection Mechanism

Innovative collection system that separates various debris types, leaving your floors free of particles, dirt, and water for a perfectly clean finish.



Smart Localization Code

Start cleaning automatically

Retrieve all information instantly:

- ☒ Robot Localization
- ☒ Cleaning Map
- ☒ Cleaning Task
- ☒ Cleaning Settings

Boost your productivity!

Multi-Surface Operations

Optimized for all hard floor types
From commercial to industrial environments.



Marble

Terrazzo

Cement

Ceramic

Epoxy

PVC