

**ROSIWIT**

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  Rosiwit Cobotics 

# PRODUCT BROCHURE.



**ROSIWIT**

**TOTAL SOLUTIONS  
FOR CLEANING  
COBOTICS**

(2024 edition)

**TITAN 810**  
**Skywalker 50**  
**Pilot One**  
**X-Rolling**

# TOTAL SOLUTIONS FOR CLEANING COBOTICS

Rosiwit Cobotics is a leading provider of cleaning cobotics solutions, founded by Mr. HOU Weigui, the founder of more than 200bn value global technology enterprises. Rosiwit is committed to driving the future of service cobotics together with our partners in every single market.



**60%**  
R&D team

**30%**  
Industry expert

**100+**  
Patents and certificates

Our team members hail from prestigious QS 100 universities, and we invest 60% of our budget into R&D to ensure we provide the latest and the innovative tech & solutions to our clients' needs. Our dedicated team of over 100 R&D experts has experiences in developing highly successful service robots that are currently leading the market.

## Skywalker 50

Smart indoor scrubber robot



## Titan 810

Industrial robotic scrubber



## Pilot One

Smart manual floor scrubber



## X-Rolling

Autonomous sweeper robot





# TITAN 810



## INDUSTRIAL ROBOTIC SCRUBBER

### 115kg Powerful pressure-to-floor

Industrial-strength cleaning capabilities and swiftly eliminates stubborn stains.

### 5,200 m<sup>2</sup>/h Remarkable cleaning rate of

High performance exceeds the efficiency of its class, ensuring thorough cleanliness across expansive and large areas.

### 24 Hours Autonomous operation and cleaning

Enhanced by a versatile 6-in-1 workstation, this system ensures fully automated operation around the clock, eliminating the need for human presence during routine tasks.

### 360° Safety system

Integrating 3D intelligent sensing technology, it provides a 360-degree safety alert system that encompasses both auditory and visual cues, ensuring comprehensive awareness of the surroundings.

Dimension	1,630mm(L)*1,100mm(W)*1,440mm(H)		
Working width	810mm	Solution/ sewage tank	150L/ 190L
Brush type	Cylindrical /Disc	Battery type	LFP
Battery runtime	6.5h	Max. area performance	6.5km/h (4miles/h)
Battery	36V/ 200Ah	Max. speed/ autonomous	5,200m <sup>2</sup> /h (56,000sq.ft/h)
Gradeability	11°	Weight	450kg
Min. clearance width/ autonomous	1,200mm	Wall clearance	100mm

Efficient cleaning of large scene ground depth, suitable for industry, warehouse, logistics, large supermarkets, underground parking lots and other scenarios.





# Skywalker 50



Multi-modes cleaning and suitable for industry, hospital, transportation hub, shopping mall, office building etc.

# INTELLIGENCE CLEANING ALL AT YOUR SERVICE

## 29kg Impactful pressure-to-floor

Higher cleaning performance exceeds the efficiency of its class.

## 360° Safety system

Smart obstacle avoidance, autonomous path planning, cliff-sensors, emergency stop and multi-functions enable security operation.

## Intelligent API communications

Multi-API interfaces with deeper understanding of industrial scenarios: Efficient collaboration with automated equipment manufacturers such as AGV/ AMR, autonomous lift and gate barrier access.

## Multi-modes cleaning

Deep scrubbing, sweeping and scrubbing 2-in-1, silent dust-mopping and professional sweeping 4 cleaning modes with 3 gears (eco, standard and strong cleaning) to meet different cleaning scenarios and relevant requirements.



Dimension	903mm(L)*676mm(W)*1,080mm(H)		
Working width	500mm	Maximum running speed	up to 1.0 m/s
Cleaning efficiency	up to 2,000 m <sup>2</sup> /h	Running time	10h for scrubbing/ 3.5h for dust mopping
Solution/Recovery tank	34L/34L	Charging time	1h
Wall clearance	100-200mm	Pressure-to-floor	29kg
Battery	24V50Ah	Minimum passing width	900mm
Noise level	<70dB	Weight	147kg(unladen)



# CORNER CLEANING EXPERT AS ROBOT PARTNER

Flexible and easy to move for cleaning limited-area, it is suitable for restaurant, hotel, restroom and hospital...



## Pilot One



### Focus on narrow, low and limited areas cleaning

Smart brushes and coner cleaning enhanced.

### More effortless cleaning

Crafted with an emphasis on human engineering principles, the design incorporates flexible support mechanisms that facilitate effortless maneuverability. This approach allows for a more comfortable and efficient cleaning experience, achieving a state of clean that feels both natural and unencumbered.

### Professional scrubbing

One time deep cleaning greasy dirt and stains, instantly drying to avoid potential injury.

### Digital and visualized cleaning

Employing advanced remote monitoring capabilities, operators can precisely track machine positioning, securely lock the system when needed, and instantly generate comprehensive cleaning reports, ensuring transparency and control over the cleaning process.

Dimension	450mm(L)*390mm(W)*1,200mm(H)		
Cleaning efficiency	1,200 m <sup>2</sup> /h	Disc brush width	430mm
Disc brush speed	up to 380RPM	Squeegee width	450mm
Battery runtime	90mins	Disc brush pressure	up to 23kg
Battery	15.5A-25.6V (Lithium)	Suction power	12,000Pa
Solution tank capacity	5L	Noise level	<65dB
Recovery tank capacity	8L	Net weight	20kg



# X-Rolling

## SMART CLEANING BEYOND BOUNDARIES



Super large-area sweeper robot suitable for park, school, resort and industrial warehouse...

### Autonomous navigation and mapping

Location and mapping, autonomous path planning enable to complete cleaning task with high efficiency.

### Adaptive decision-making and multi-robot dispatching

Intelligently discerning environmental changes in complex settings, ensuring safe operation while enhancing cleaning efficiency.

### Integrated with workstations for round-the-clock unattended operation

Features like automatic recharging and resuming from the last point of interruption ensure autonomous completion of cleaning tasks throughout the day and night.

### Warehouse and industrial park cleaning and inspection

Large-scale, long-distance sweeping and patrolling of the park, with real-time monitoring and reporting of the park's security status.

Dimension	1600mm(L)*1200mm(W)*1200mm(H)		
Cleaning efficiency	4000 m <sup>2</sup> /h	Sweeping width	1200mm
Max speed	1m/s	Net weight	350kg
Charging time	3h	Trash bin capacity	100L
Running time	up to 6h	Navigation	Lidar+GPS
Battery	100Ah	Noise level	<70dB





# 24H OPERATION WITH VERSATILITY


The workstation supports 24-hours autonomous operation, easy installation and efficient adaptation.

Workstation  
for Skywalker 50







 1h super-charge

 Easy installation

 Autonomous self-recharging

 Self-water-refilling and drainage

Dimension	510*522*1,020mm	Rated power	1,500W
Input voltage	100~240V	Output voltage	29.2V

-  3h super-charge (380V)
-  Self-water-refilling and drainage, adjusting the detergent dosing system
-  Autonomous self-recharging
-  High-pressure spray part and quick cleanup the sewage tank

Workstation  
for Titan 810



Dimension	664*500*1,435mm	Rated power	2,000W
Input voltage	100~240V	Output voltage	43.8V



# UPGRADED TECHNOLOGY AND ADVANCED INNOVATION

Rosiwit Robotics offers advanced, professional cleaning solutions that integrate intelligent navigation, multi-surface adaptability, sophisticated multi-sensor technology, and energy-efficient operations. These features collectively deliver an exceptional standard of cleanliness in commercial settings, promoting a more comfortable and hygienic environment across diverse applications.

## Industrial-grade cleaning capacity

- Deep cleaning in one pass
- Quickly removes tire tracks, industrial grease, water stains industrial dust mixtures
- High speed double brushes and powerful pressure-to-floor
- Professional scrubbing version and sweeping and scrubbing 2-in-1 version to better meet different cleaning requirements

## G-View exclusive technology

With G-View, the exclusive technology completely R&D by Rosiwit, the robots harness the power of intelligent synergy with public surveillance cameras, enabling swift recognition and accurate pinpointing of stains. With autonomous navigation and cleaning with precision, this advanced coordination substantially boosts the efficiency of the cleaning process while maintaining a consistently clean and sanitary environment.

## Location and navigation

Employing our path planning technology, integrated with robust multi-layer safety measures, we've elevated the navigation system to new heights of intelligence and security. This advancement markedly boosts the efficiency of our cleaning operations, adeptly avoids the omission of any area, and swiftly addresses spot-cleaning requirements. Each task is now executed with unparalleled thoroughness and precision.

## Abundant API integration

Equipped with an extensive array of API interfaces, our cleaning robots facilitate a cohesive integration with industrial operations, allowing for synchronized tasks with a multitude of machinery.

Through a dispatch platform, these robots are capable of executing cleaning duties autonomously while also harmonizing with other smart devices. The convergence of intelligent cleaning with industrial processes offers an insightful solution for the intelligent cleansing of industrial scenarios.

## Perception and recognition

With sophisticated deep learning algorithms, our robots possess an acute ability to detect and discern obstacles, and enriching their environmental awareness, which streamlines the cleaning process and bolsters safety measures. It guarantees that the robots can maneuver through intricate settings effortlessly. This innovative approach offers an efficient, smart, secure and reliable cleaning.

## Rosiwit SLAM

Our proprietary indoor positioning system features an integrated 2D/ 3D mapping. By leveraging multi-sensors, it provides real-time environmental perception, ensuring safety and protection for both people and machinery.

Additionally, equipped with deep learning, it can autonomously analyze and plan routes within the environment, enabling intelligent obstacle avoidance, which serves as a safeguard for comprehensive cleaning planning and secure operation.



## Clear and user-friendly interface

The sleek interface boasts a easy and clear design, enabling the instant retrieval of cleaning reports. This feature allows for a full grasp of the cleaning operation's status and outcomes, significantly enriching the user experience.

Additionally, it guarantees the transparency and manageability of the cleaning process, thereby streamlining cleaning management to be more efficient and user-friendly.



# SOLUTIONS: COMMERCIAL AND RETAIL SCENARIO

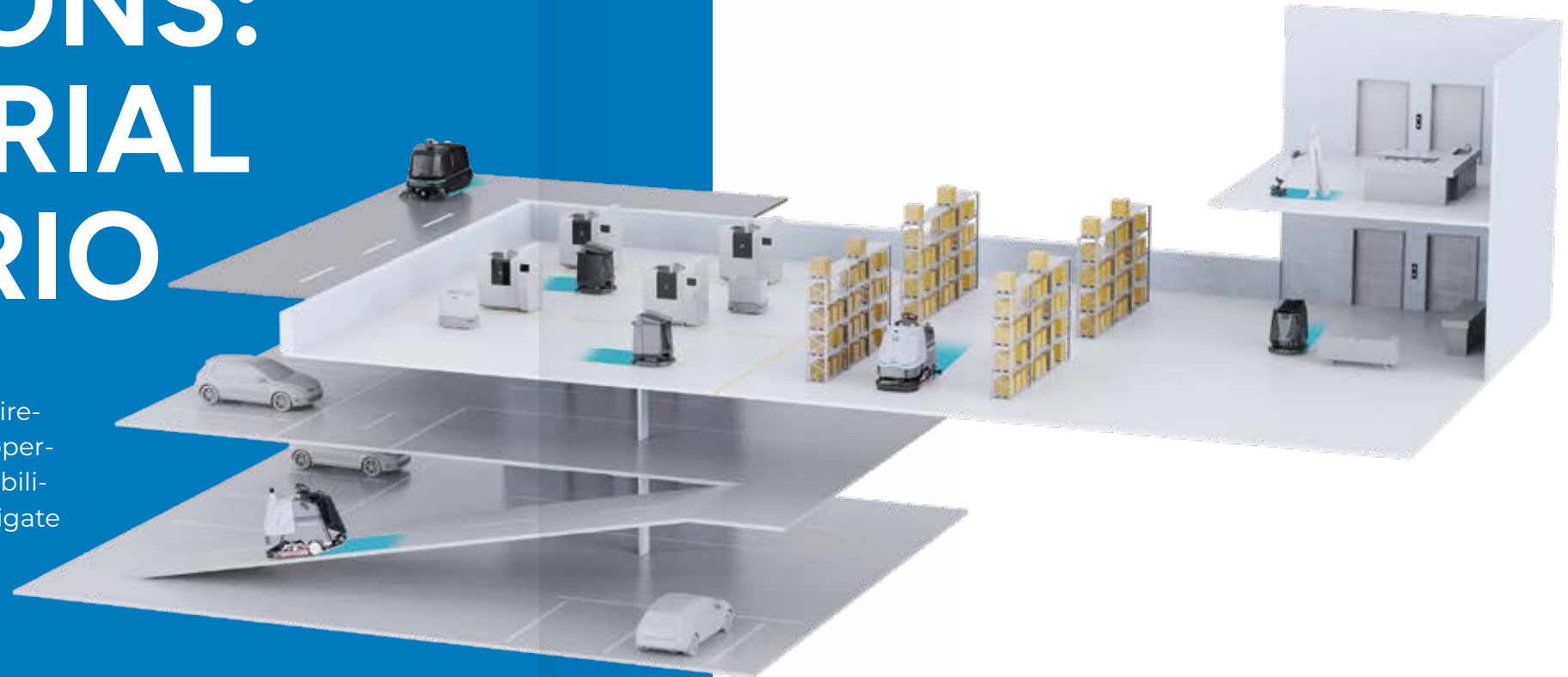
Super-large areas cleaning with grease and stains removed, high efficiency and cost reduction for consistent results, ensuring a secure and healthy environment.





# SOLUTIONS: INDUSTRIAL SCENARIO

Meeting intelligent automation requirements, cost reduction and efficient operation. Industrial-grade cleaning capabilities and digital management to navigate the future with safe production and control.

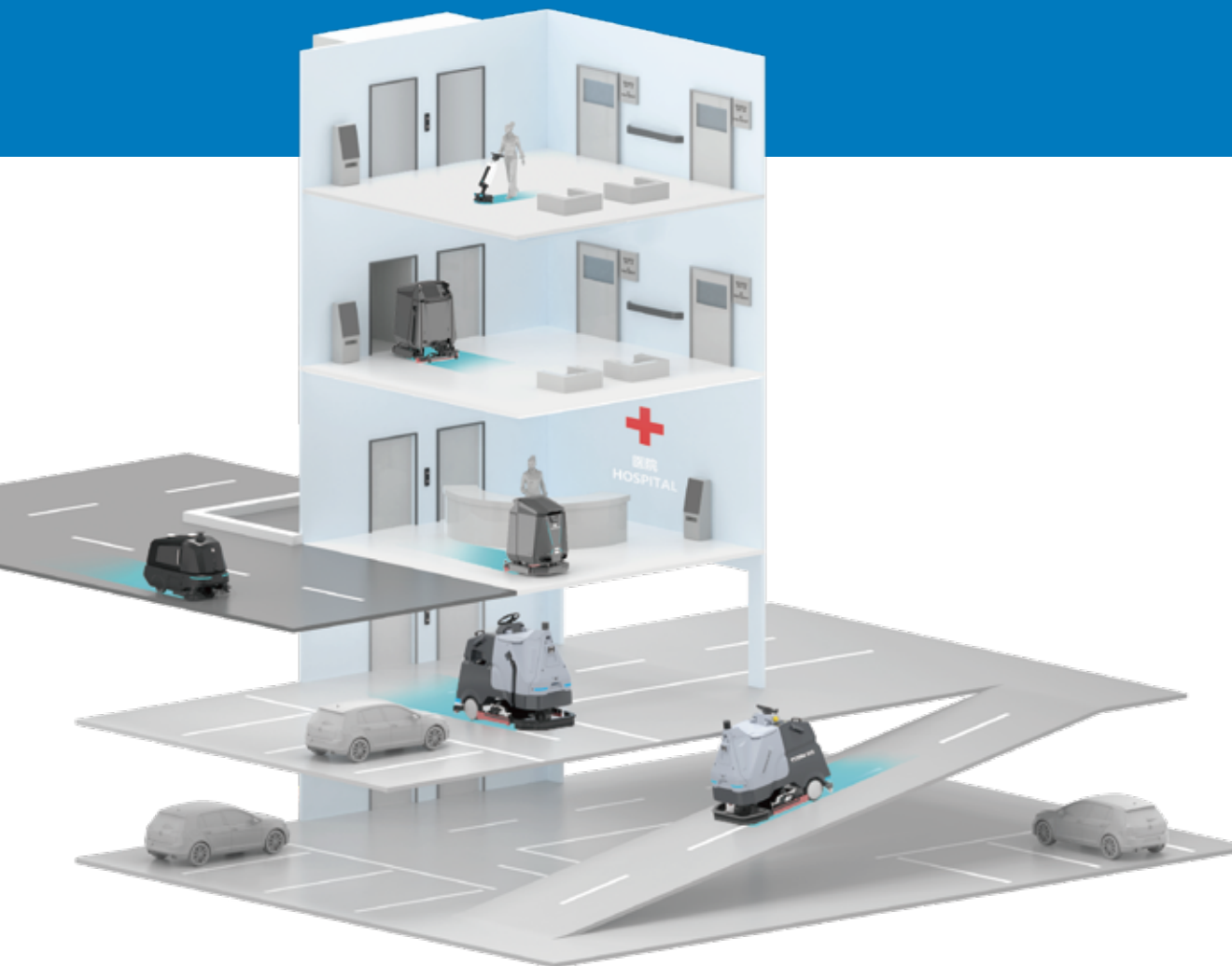




# SOLUTIONS: HOSPITAL SCENARIO

Our solutions adeptly navigate the complexities of various environments, achieving a seamless integration with intelligent IoT systems to protect workforce and enhance cost-effectiveness.

We empower our clients with digital management tools, propelling their operations into a new era of efficiency and control.





# INNOVATIVE AND RELIABLE

## Certifications



Rosiwit Robotics upholds a legacy of technological innovation and self-driven research, evolving its technology and refining its products in direct response to customer demands.

Our global portfolio boasts an impressive array of nearly a hundred patents, encapsulating a breadth of core technologies and market-specific product certifications and compliance, reinforcing our leadership in the field.

## Cooperations and communications



## Patent certificates



# HIGH QUALITY SERVICE AND QUICK RESPONSE



## Local service

We are actively seeking to engage with the right agents, distributors, and integrators, aiming to forge partnerships that align with Rosiwit Robotics's international team.

Together, we will cultivate a localized sales and implementation group that is adept at engaging with and understanding the nuances of the local market.

## Certificate and compliance management

Improve product certification and safety compliance systems to ensure compliance with local market performance standards and safety.

## Perfect after-sales service guarantee

- Software updates & maintenance
- Spare parts availability
- Extended warranty service
- Extreme repair response

## Technical support & training

Provide customers with the necessary technical support and operational and marketing training, and empower customers to improve the delivery process.

## Installation and Testing

Professional installation and testing support to ensure proper delivery and use by customers.

## Marketing promotion and support

International exhibitions, branding awareness support, and social media communications to better empower local customers.

## Localized delivery and support SOP

