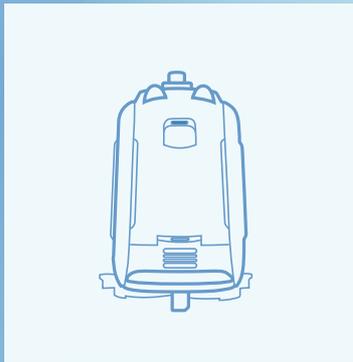
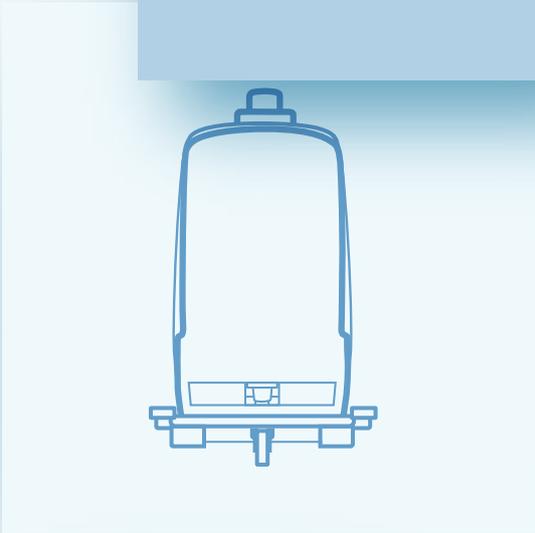


IT-ROBOTICS PRODUCT BROCHURE





iTR
IT-Robotics

COMPANY PROFILE

iTR Robot Technology Co., LTD. (iTR), founded in 2015, is a national high-tech enterprise with low-speed unmanned driving technology as its core, and is committed to the independent research and development, production and sales of intelligent robots and related technical products. iTR is one of the first robot enterprises in the world to apply unmanned technology in the field of commercial cleaning and a leading enterprise in the field of low-speed unmanned driving.

At present, the company's development of low-speed unmanned driving technology in the field of commercial application is at the forefront of the industry, and its products are widely used in commercial cleaning, smart factories, smart agriculture and public services. Products are exported to the United States, Canada, Singapore, Japan, Germany, France, Switzerland and other countries, with a high popularity in the market. iTR's headquarters is located in Hangzhou, with three manufacturing plants in Mianyang (Sichuan), Taizhou (Zhejiang), and Heshan (Guangdong) respectively, so OEM and ODM are acceptable for iTR, and customers around the world are also welcome to inquire about customized projects.



COMPANY STRENGTH

The company has China's top team of scientists in artificial intelligence and robotics research, as well as a team of experienced senior engineers. From the underlying algorithm to the whole chain technology core of product engineering, we have full independent intellectual property rights of related core technologies. The company holds over 200 invention patents, practical patents and software Copyrights. In addition, iTR products have passed CE certification, CR certification, FCC certification, IC certification, ETL certification, UN38.3 and other international certifications.



COMPANY SERVICE

7*24 hours online after-sales service team is committed to providing customers with the most professional and intimate service. We provide a full range of customer support, including consulting, pre-sales and after-sales service, technical support, etc. Today, iTR has provided more than 100 million kilometers of cleaning services to more than 400 customers in more than 16 countries and regions around the world.

We firmly believe that only through quality products and services can win the trust and support of customers, iTR will always accompany you, grow together with you, create a better future!



COMPANY HONOR

Chinese high-tech enterprises
Zhejiang Province science and technology smes
Hangzhou high-tech enterprises

First prize of scientific and technological progress of China Instrumentation Society
Machinery Industry Science and Technology Award second prize for scientific and technological progress
Mobile robot Product Innovation Award
China's best special robot Award
The most potential commercial robot and other honors

More than 200 patents and software Copyrights have been obtained.

ISO9001 quality management system certification
ISO14001 environmental management system certification
ISO45001 Occupational Health and Safety management system certification
Qualified for import and export trade
Through CE certification, CR certification, FCC certification, IC certification, ETL certification, UN38.3 and other international certification



W2
Commercial Outdoor Sweeper

Sweeping/vacuuming

W1
Commercial Outdoor Sweeper

Sweeping/vacuuming

D6
All-terrain Remote Control
Transport Vehicle

Storage/transportation





300
Commercial Floor Scrubber

Scrubbing/soil absorption/sterilization/ash reduction/disinfection



M2 Pro
Commercial Floor Scrubber

Scrubbing/soil absorption/sterilization/ash reduction/disinfection



C2
Commercial Floor Scrubber

Sweeping/vacuuming/dust pushing



OM1
Outdoor Municipal Street Sweeper

Sweeping/vacuuming

M2 Pro

Commercial Floor Scrubber



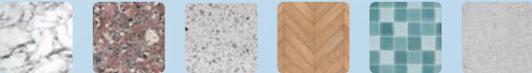
M2 Pro is an industrial cleaning robot, which is powerful artificial intelligence integrated with sensor of 3D Lidar、 Ultrasonic Sensor、 3D Depth Camera、 Electrical Anti-collision Strip and Multi-line laser. M2 Pro is integrated with scrubbing, sweeping, vacuuming and sanitizing cleaning functions all in one robot. With a 120 Ah battery with 4-9h productivity and 117 L water tank, which ensures robot high-efficiency operation with 7×24h.

APPLICATION SCENES:



Airport station, parking lot, commercial complex, hotel, office building, hospital, industrial park, factory, large warehouse, exhibition center, school.

APPLICABLE FLOORING TYPES:



Marble, granite, terrazzo, concrete floor, epoxy resin, tile, wood floor and other hard ground.

M2 PRO

Commercial Floor Scrubber



CORE SUPERIORITY

<ul style="list-style-type: none"> ● Multi-sensing design, perceive the surrounding environment in multiple dimensions, flexibly response to dynamic and static obstacles, strictly ensure human and machine safety. 	<ul style="list-style-type: none"> ● By automatically feedback task details, managers can monitor the robot's operating status in real time to achieve digital management.
<ul style="list-style-type: none"> ● 117 L capacity water tank + 120 AH capacity lithium battery provide ultra-long battery life to solve cleaning problems in large scene. 	<ul style="list-style-type: none"> ● No-tool maintenance design concept, easy for maintenance.
<ul style="list-style-type: none"> ● Automatic / manual mode easily switchable, meet diversified needs. 	<ul style="list-style-type: none"> ● Powerful double brushes to ensure the cleaning capacity, Adaptive suction scraper close to the floor, no residue of sewage.
<ul style="list-style-type: none"> ● Automatically start task, charging, water addition and drainage, 7x24h unattended operation, effectively free up labor hand. 	

PRODUCT PARAMETERS

Dimension (Length×Width×Height)	1.0×0.84×1.3 m (39×33×50 in)
Max. Productivity	2420 m ² /h (32550 ft ² /h)
Max. Speed	0.8 m/s
Cleaning Width	84 cm (33 in)
Battery Capacity	120 Ah
Rated Voltage	24 V
Gradeability	≤10°
Weight	150 kg
Clean Water Tank	72 L (16 gal)
Recovered Water Tank	45 L (10 gal)
Brush pressure	20 kg (44 lb)
Charging time	4-5h
Uptime	4~9h
Battery Type	Lithium

300

Commercial Floor Scrubber



300 is a large cleaning robot of iScrubbot series, designed for the hard floor cleaning needs of large indoor and outdoor commercial scenes, equipped with multi functions such as scrubbing, dirt absorption, sterilization, ash reduction and disinfection.

APPLICATION SCENES:



Airport station, parking lot, commercial complex, hotel, office building, hospital, industrial park, factory, large warehouse, exhibition center, school.

APPLICABLE FLOORING TYPES:



Marble, granite, terrazzo, concrete floor, epoxy resin, tile, wood floor and other hard ground.

300

Commercial Floor Scrubber



CORE SUPERIORITY

<ul style="list-style-type: none"> ● Multi-sensor fusion design, multi-dimensional environment perception, flexible response to dynamic and static obstacles, and strict guarantee of man-machine safety. 	<ul style="list-style-type: none"> ● Automatically feedback task details, digital management real-time monitor robot's operating status.
<ul style="list-style-type: none"> ● Standing driving design, automatic mode/manual mode flexible switch to meet diverse needs. 	<ul style="list-style-type: none"> ● 300L large capacity water tank, 3D laser detection diameter up to 200 meters.
<ul style="list-style-type: none"> ● No extra tool maintain system, easy maintain spare parts. 	<ul style="list-style-type: none"> ● Integrated site cleaning brush and sweeping roll brush, sweep and wash together, clean more thoroughly without fear of big scenarios.
<ul style="list-style-type: none"> ● Automatically start task, charging, water addition and drainage, 7x24h unattended operation, effectively free up labor hand. 	

PRODUCT PARAMETERS

Dimension (Length×Width×Height)	1.65×1.10×1.47m
Cleaning width	110 cm (43 in)
Max. Productivity	3960m ² /h
Max. Speed	1 m/s
Max. Working Area	17000 m ² (182986 ft ² /h)
Battery Capacity	120 Ah
Rated Voltage	48 V
Gradeability	≤10°
Weight	400 kg (882 lb)
Clean Water Tank	150 L (32 gal)
Recovered Water Tank	150 L (32 gal)
Brush pressure	30-60 kg (66-132 lb)
Charging time	5h
Uptime	4-7h
Maximum mapping area	40000 m ² (430556 ft ²)

C2

Commercial Floor Scrubber



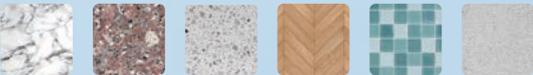
This commercial cleaning robot integrates floor washing, vacuuming and dust pushing, and allows for 24/7 independent charging, self-cleaning, drainage, water filling with a full-featured base station. It can be widely used in hospitals, shopping malls, campuses, exhibition halls, office buildings, terminals and other places.

APPLICATION SCENES:



Airport station, parking lot, commercial complex, hotel, office building, hospital, industrial park, factory, large warehouse, exhibition center, school.

APPLICABLE FLOORING TYPES:



Marble, granite, terrazzo, concrete floor, epoxy resin, tile, wood floor and other hard ground.

C2

Commercial Floor Scrubber



CORE SUPERIORITY

<ul style="list-style-type: none"> ● Intelligent stain detection, and thorough self-cleaning without manual disassembly and cleaning. 	<ul style="list-style-type: none"> ● Multi-sensor automatic navigation, sensing & obstacle avoidance at unmanned drive level, multiple anti-collision and anti-drop protection systems for higher safety and reliability.
<ul style="list-style-type: none"> ● Simple dust pushing and floor washing by rolling brushes to avoid repeated cleaning of dry and wet garbage, and separate solid and liquid garbage. 	<ul style="list-style-type: none"> ● Automatic mapping and iteration, route planning, real-time coverage, and flexible response to complicated scenarios.
<ul style="list-style-type: none"> ● Automatic adjustment of cleaning force based on stain; easy cleaning of dust, particle, and heavy pollutant. 	<ul style="list-style-type: none"> ● Voice command control and real-time voice prompt, quickrelease of task on touchscreen, and mobile app functions all in control.
<ul style="list-style-type: none"> ● Intelligent cloud monitoring and alarming, remote task dispatch, real-time data transmission, equipment configuration, and online update. 	

PRODUCT PARAMETERS

Dimension (Length×Width×Height)	503×503×629mm
Single operation area	Scrubbing 800 m ² / Dust push 6000 m ² / Vacuum 2500 m ²
Speed	0~0.8m/s, adjustable modes
Cleaning Width	44 cm (27 in)
Rolling brush pressure	20~40N
Battery Capacity	Lithium iron phosphate 24V 42 Ah
Weight	40 kg (88 lb)
Clean water/sewage capacity	10 L (2.1gal) /10 L (2.1gal)
Display screen	7-inch
Charging time	3h
Uptime	5-12h
Navigation system	Multi-sensor fusion navigation combining 3D
	multi-line laser + vision
Sensor configuration	2D LiDAR, ultrasonic radar, structured light camera

W1

Commercial Outdoor Sweeper



W1 is large-scale sweeping robot of iSweeper series, designed for the cleaning needs of large indoor and outdoor commercial scenes, equipped with sweeping, vacuuming, ash reduction and other functions.

APPLICATION SCENES:



Parks, factories, airports, parks, commercial squares, campuses, parking lots.

APPLICABLE FLOORING TYPES:



concrete, asphalt, epoxy resin, rubble floor, plastic floor, permeable brick, granite and other complex ground materials.

W1

Commercial Outdoor Sweeper



CORE SUPERIORITY

<ul style="list-style-type: none"> ● 1550mm cleaning width, greatly improve the cleaning efficiency, the maximum work efficiency can reach 5500m²/h. 	<ul style="list-style-type: none"> ● Multi-sensor fusion design, multi-dimensional environment perception, flexible response to dynamic and static obstacles, and strict guarantee of man-machine safety.
<ul style="list-style-type: none"> ● Effectively inhibits dust, two side brush outward design, easy to clean the road edge, ensure the edge cleaning ability. 	<ul style="list-style-type: none"> ● Standing driving design, automatic mode/ manual mode flexible switch to meet diverse needs.
<ul style="list-style-type: none"> ● Super garbage handling capacity, can clean all shapes and sizes of garbage. 	<ul style="list-style-type: none"> ● Intelligent weather response function, reasonable scheduling and arrangement of work time, more intelligent.
<ul style="list-style-type: none"> ● Automatically start task, charging, water addition and drainage, 7x24h unattended operation, effectively free up labor hand. 	<ul style="list-style-type: none"> ● Automatic feedback task details, managers can real-time monitoring robot running state, to achieve digital management.

PRODUCT PARAMETERS

Dimension (Length×Width×Height)	1900×1410×1420 mm
Sweeping width	1550 mm
Max. Productivity	5500 m ² /h
Max. Speed	1 m/s
Trash Tray	100 L
Clean Water Tank	100 L
Gradeability	≤10°
Charging Mode	Manual/Automatic
Weight	≈ 529 Kg
Battery Capacity	230 Ah
Rated Voltage	48 V
Charging time	6-7h
Uptime	5-7h
Operatiog Temperature	0°C-40 °C
Storage Temperature	-20°C-50 °C

W2

Commercial Outdoor Sweeper



W2 is Medium-scale sweeping robot of iSweeper series, designed for the cleaning needs of large indoor and outdoor commercial scenes, equipped with sweeping, vacuuming, ash reduction and other functions.

APPLICATION SCENES:



Parks, factories, airports, parks, commercial squares, campuses, parking lots.

APPLICABLE FLOORING TYPES:



concrete, asphalt, epoxy resin, rubble floor, plastic floor, permeable brick, granite and other complex ground materials.

W2

Commercial Outdoor Sweeper



CORE SUPERIORITY

<ul style="list-style-type: none"> ● 980mm cleaning width, greatly improve the cleaning efficiency, 	<ul style="list-style-type: none"> ● Multi-sensor fusion design, multi-dimensional environment perception, flexible response to dynamic and static obstacles, and strict guarantee of man-machine safety.
<ul style="list-style-type: none"> ● Effectively inhibits dust, two side brush outward design, easy to clean the road edge, ensure the edge cleaning ability. 	<ul style="list-style-type: none"> ● automatic mode/manual mode flexible switch to meet diverse needs.
<ul style="list-style-type: none"> ● Super garbage handling capacity, can clean all shapes and sizes of garbage. 	<ul style="list-style-type: none"> ● No extra tool maintain system , easy maintain spare parts.
<ul style="list-style-type: none"> ● Automatically start task, charging, water addition and drainage, 7x24h unattended operation, effectively free up labor hand. 	<ul style="list-style-type: none"> ● Automatic feedback task details, managers can real-time monitoring robot running state, to achieve digital management.

PRODUCT PARAMETERS

Dimension (Length×Width×Height)	1350×980×970mm
Sweeping width	980mm
Theoretical maximum working efficiency	3800m ² /h
Max. Speed	0.8 m/s
Water tank capacity	30 L
Container capacity	36 L
Gradeability	≤8°
Charging Mode	Automatic/Manual
Weight	200 Kg
Battery Capacity	125 Ah
Rated Voltage	24 V
Charging time	4 h
Uptime	5-6h
Operatiog Temperature	0°C-40 °C
Operating humidity	0% - 70%rh

OM1

Outdoor Municipal Street Sweeper



OM1 is an outdoor municipal sweeper created by iTR specifically for the needs of municipal road cleaning, with sweeping, vacuuming, ash reduction and other functions.

APPLICATION SCENES:



Municipal road, Parks, factories, airports, parks, commercial squares, campuses, parking lots, applicable ground.

APPLICABLE FLOORING TYPES:



concrete, asphalt, epoxy resin, rubble floor, plastic floor, permeable brick, granite and other complex ground materials.

OM1

Outdoor Municipal Street Sweeper



CORE SUPERIORITY

<ul style="list-style-type: none"> ● 1.85m cleaning width, greatly improve the cleaning efficiency. 	<ul style="list-style-type: none"> ● Comprehensive path planning, real-time positioning and tracking.
<ul style="list-style-type: none"> ● Product support automatic edge cleaning, cover cleaning. 	<ul style="list-style-type: none"> ● Autonomous obstacle avoidance, automatic emergency safety braking, manual automatic mode switching.
<ul style="list-style-type: none"> ● Remote vehicle status query, remote video monitoring, remote control, remote task scheduling 	<ul style="list-style-type: none"> ● Multi-sensor fusion perception, traffic light recognition, self-built high-precision maps.
<ul style="list-style-type: none"> ● Automatic feedback task details, managers can real-time monitoring robot running state, to achieve digital management. 	

PRODUCT PARAMETERS

Dimension (Length×Width×Height)	3.50×1.20×2.10m
Sweeping width	185 cm
Max. Speed	25km/h
Water tank capacity	150 L
Container capacity	500 L
Battery type	Lithium iron phosphate
Battery Capacity	40.3KWh
Weight	1810 Kg
Max. weight	2400 Kg
Uptime	≥8h

D6

All-terrain Remote Control Transport Vehicle



Remote control, stable performance, suitable for various terrains such as mountains, hills, orchards, greenhouses, farmlands, warehouses, and dirt roads.

APPLICATION SCENES:



Mountains, hills, orchards, greenhouses, farmlands, warehouses, mud roads, concrete floors, Plastic floor and a series of complex terrain.

D6

All-terrain Remote Control Transport Vehicle



CORE SUPERIORITY

<ul style="list-style-type: none"> ● Improve distribution efficiency Speed up the delivery. 	<ul style="list-style-type: none"> ● Reduce operating costs Greatly reduce labor costs.
<ul style="list-style-type: none"> ● Less effort in shipping Reduce the labor intensity of the staff. 	<ul style="list-style-type: none"> ● Full scenario application Factories, airports, orchards, etc.
<ul style="list-style-type: none"> ● Not affected by terrain Handle all terrain with ease. 	<ul style="list-style-type: none"> ● Super power Cope with most stairs easily.
<ul style="list-style-type: none"> ● Simple and easy to navigate Remote control operation, easy to use. 	<ul style="list-style-type: none"> ● Extra large load Maximum load over 150kg.

PRODUCT PARAMETERS

Dimension (Length×Width×Height)	1.51 × 1.28 × 0.75 m (59 × 50 × 29 in)
Max. Payload	150 kg (330 lb)
Battery Type	48v/20.3 AH (lead battery)
Motor Quantity	2 sets
Motor Power	2400 W
Motor Type	Brushless Motor
Container to Ground	290 mm
Off-road Feature	Independent Suspension
Wheel Size	4.00-10
Drive Mode	Electric energy
Charging time	5h
Uptime	5h
Brake Mode	Double Reducer
Customization	Acceptable
Max. Driving Speed	4.6 km/h

C6

Construction Wall Work Robot



C6 is an automated, intelligent, and safety-optimized device specifically engineered for interior and exterior wall coating applications.

APPLICATION SCENES:



Residential, commercial buildings, bridges, tunnels, factories, venues, exhibition halls, and other scenes.

C6

Construction Wall Work Robot



CORE SUPERIORITY

<ul style="list-style-type: none"> It integrates automation, intelligence and safety. 	<ul style="list-style-type: none"> By replacing traditional manual spraying methods, the robot addresses major industry pain points such as high-risk elevated work, low operational efficiency, and inconsistent finish quality.
<ul style="list-style-type: none"> Featuring a high-precision robotic arm, advanced intelligent algorithms, and a comprehensive sensor suite, it supports fully unmanned operations throughout the entire spraying process. 	<ul style="list-style-type: none"> Through interchangeable end-effectors, the robot can perform multiple tasks including putty spraying, putty polishing, putty scraping, and latex paint spraying.
<ul style="list-style-type: none"> Core functions include autonomous path planning, compatibility with a variety of coating materials, and real-time operational monitoring. 	<ul style="list-style-type: none"> No construction workers are needed, reducing labor costs.

PRODUCT PARAMETERS

Overall Dimensions	1022 × 770 × 1740 mm (maximum projected size including safety bumpers)
Maximum Travel Speed	1.5 m/s
Machine Weight	580 kg (excluding material load)
Obstacle Clearance Capability	100 mm (vertical)
Trench Crossing Capability	150 mm (vertical gap)
Climbing Capability:	Up to 30% incline
Operational Efficiency	Putty Scraping: 50 m ² /h Putty Spraying: 100 m ² /h Putty Polishing: 150 m ² /h Latex Paint Spraying: 600 m ² /h
Working Height Range	Up to 5 meters (for wall and ceiling spraying of putty and latex paint) Up to 3.5 meters (for wall scraping and polishing)
Material Tank Volume:	80 L
Battery Runtime	4 hours (supports rapid battery replacement)
Charging Time	Approximately 3 hours
Power Supply Options	Swappable battery system or external power supply via AC220V umbilical cable

B1

Lumbar Passive Assistor



Assists workers' back strength to ensure safety and productivity Lumbar Passive Assistor.

STANDARD WEAR:



B1

Lumbar Passive Assistor



CORE SUPERIORITY

<ul style="list-style-type: none"> Improves labor ability and increases safety by supporting the strength of industrial workers. 	<ul style="list-style-type: none"> Harness with mechanism tailored to body type and easy detachment structure
<ul style="list-style-type: none"> Supports back strength when handling heavy objects (maximum 12kgf/50N·m) 	<ul style="list-style-type: none"> Powerless passive driving unit
<ul style="list-style-type: none"> Light weight of 2.7kg and comfortable to wear 	

PRODUCT PARAMETERS

Purpose of use	Supports hip and back strength for workers handling heavy materials such as construction and logistics
Power	Passive drive, hybrid module replacement/expandable
Size	480mm(W) x 180mm(D) x 720mm(H)
Weight	2.7 Kg
Angle of motion (ROM)	Waist bending angle: ~ +150°
Operation mode	walking mode, working mode
Degree of freedom (DOF)	5 DOF (including driving rotation and length adjustment)
Note	Easy to put on and take off and adjust length, strength support load (12 kgf / 50N ·m)

▶ APPLICATION CASES

HOSPITAL



INDUSTRIAL PARK



HOTEL



COMPLEX TERRAIN



GARAGE



MUNICIPAL ROAD



Customer Service and Maintenance

iTR make a commitment to you to provide outstanding support and service.

Contact us

You can reach us in the regions via phone, WhatsApp, e-mail.



Get Response Fast

Our engineers are available 7×24 hours.



Global Locations

Customer service global locations.



Software Upgrade

Regularly software upgrade for free.

iTR

iTR Online Learning

iTR help customers succeed and grow for floor cleaning solutions and robotics technologies.



Regularly Scheduled Service

Ensure your equipment remains in top form with regular service by iTR engineer team.



Warranty

Ultimate performance guarantee, iTR robots provides one year warranties for parts



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