



Give traditional floor scrubber new intelligent



TVX Robot IQX70A
4th generation floor washing robot
— Smart upgrade of floor scrubber

C O N T E N T

01 Introduction

02 Advantages

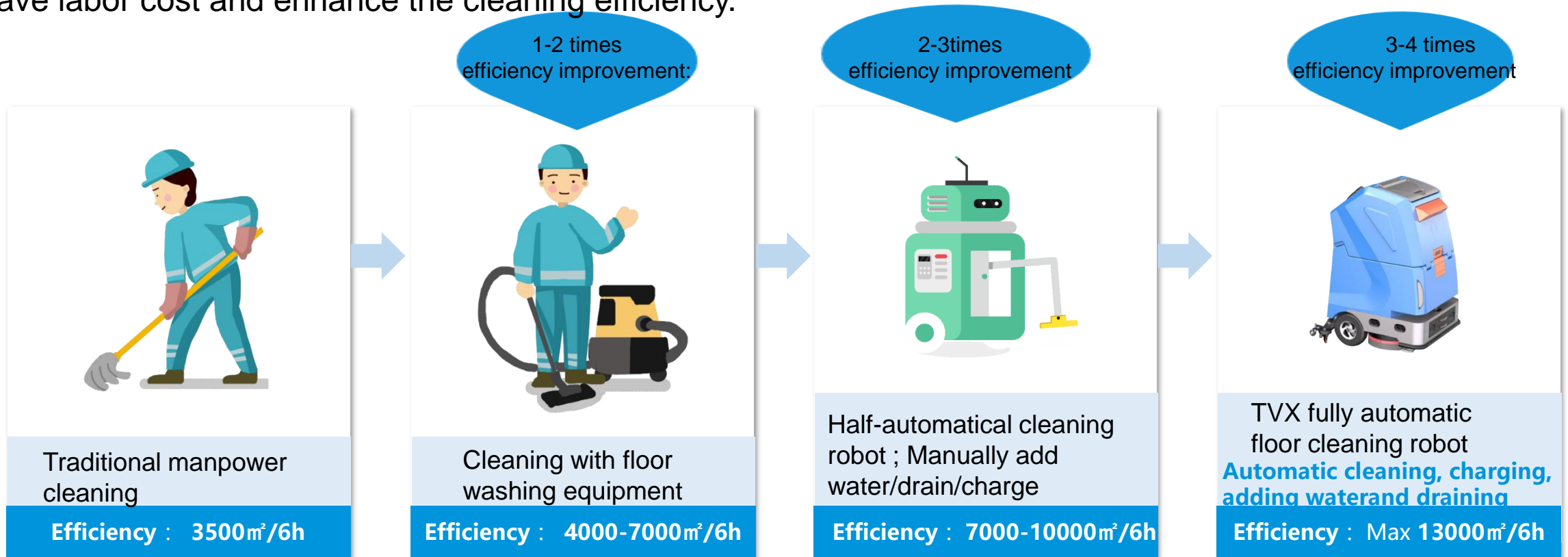
03 Specifications

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Overview of TVX Floor Cleaning Robot(The only one type of industrial robot that fulfill the automatic floor cleaning)



TVX floor cleaning robot is a new type of cleaning equipment that uses artificial intelligence technology to do unmanned improvement of traditional floor washing equipment. It is mainly used in the indoor big area floor cleaning, such as modern smart factory; hospital; airport; shopping mall and etc. It fulfill automatic floor cleaning by auto navigate, input water, drain dirty water, and self charging and auto monitor. This can help save labor cost and enhance the cleaning efficiency.



Application Areas



TVX Cleaning Robot is applied in the indoor big area places, such as shopping mall, high speed railway station/railway station, office building, hospital, factory, warehouse, airport, underground parking lot, and etc



Airport



Factory



Hospital



Office building

Effect

Reduce the cost but
increase the efficiency
Work all year round
Easy to manage

Environment

Dust-free
workshop
smart scene
continuous work

Safety

Super dangerous
environment
Sterilization and
epidemic prevention
Personal safety

Impression

Benchmark image
Technology layout
Brand promotion

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TVX Robot Features-Body(Smart, efficient and safe)



Intelligent working

- Auto-navigation, precisely clean.
- Automatic obstacle avoidance .
- Stop and then go around obstacles.

Efficient cleaning

- Continuous working, Long battery running time
- Clean and suction combination, perfect cleaning effect
- Water levels adjusted based on need
- Brush assembly is designed for compatible

Sport Performance

- Smooth movement and flexible turning
- Scene switching, cross-zone operation
- fast mapping, precise and efficient
- cleaning closely to the wall



Intelligent Supply

- Auto-charging, fast supply
- Auto adding/draining water, time and labor saving
- One charging station can support several machine bodies crossly.

Easy maintenance

Easy disassembly, easy maintenance
Easy to set simple working modes
Manual setting available, complementary to Auto-working mode

Safe and Reliable

- Multi-dimensional sensing, protection in all direction
- Processing based on graded warning
- Electrical protection ensures safety of machine and people.
- Gradual deceleration, multi-strategy complementary



TVX Robot Features-Cloud Platform Smart Management System(Strong compatibility and high scalability)



App



PC



Machine



Customized

Multi-machines management

Cloud platform supports monitory of the operation status, task progress, and cleaning information of multi-machines. One charging station can support several machine bodies.

Locally setting

High safety, keeping privacy when cleaning in special places. Monitoring locally and individual keeps the privacy ownership.

Customized system is available. Strong compatibility, convenient for customers to manage many devices under their names in a unified manner.

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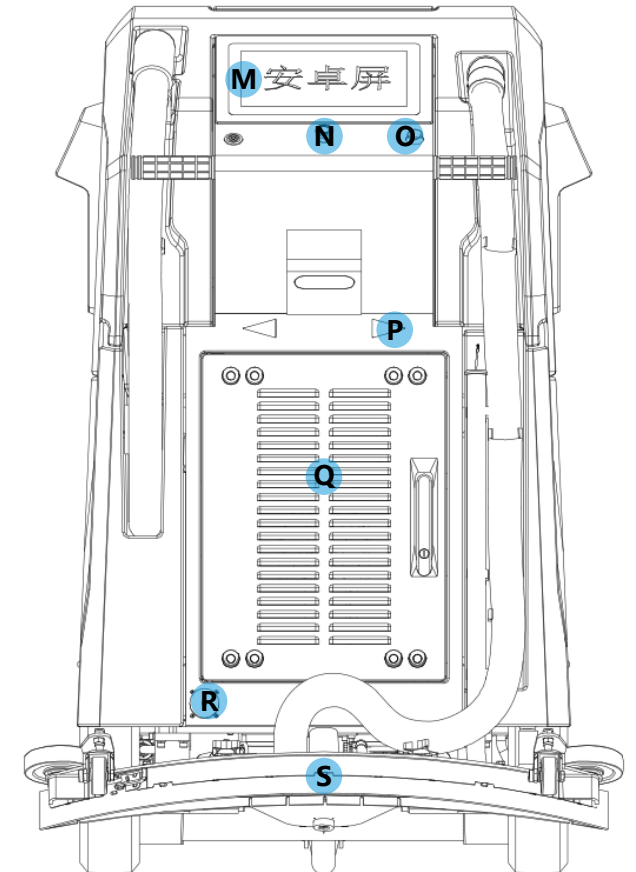
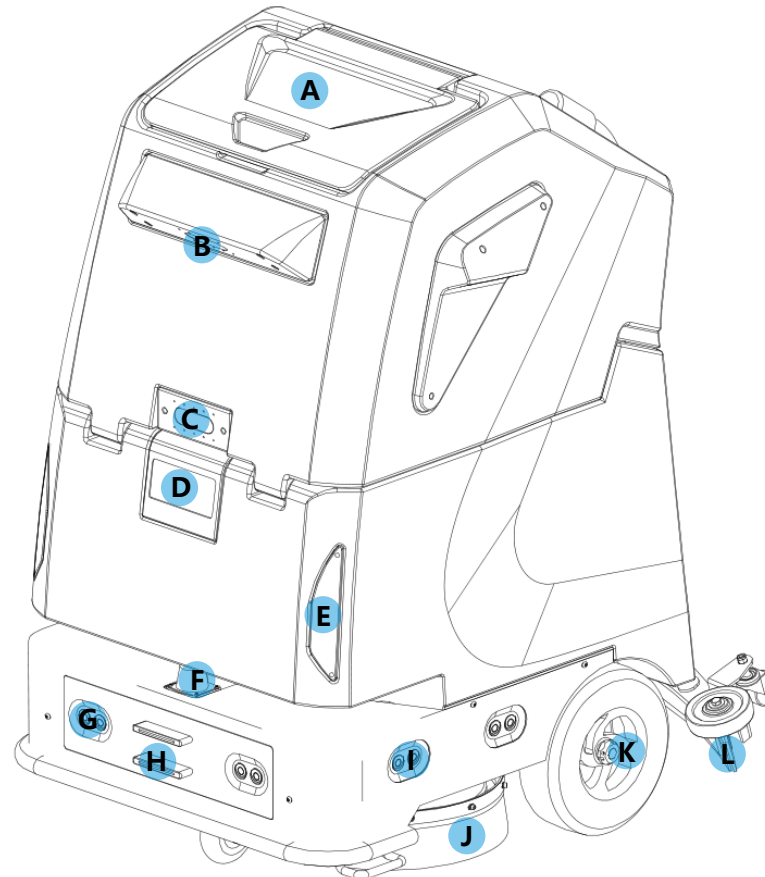
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TVX Robot Structure



A	Sealed cap
B	Deep camera
C	Deep camera
D	Automatic feeding
E	Front indicator
F	Radar
G	Ultrasonic waves
H	Automatic charging port
I	Ultrasonic waves
J	Washing components
K	Driving wheel
L	Suction Kit
M	Control Panel
N	Scram button
O	Remote sensing control
P	Rear indicator light
Q	Electrical box
R	Manual charging port
S	Suction Kit



TVX Robot Parameters



Specifications of the Products	
Robot Body Size (mm) :	L940*W800*H1170
Charging Station size (mm) :	L549*W260*H752
Working width (mm) :	600
Squeegee width (mm) :	800
Battery	Lithium Battery
Solution tank (L)	65
Recovery tank (L)	65
Rated voltage (V)	25.6
Maximum power (W)	1500
Rated Motor Power (W)	2×300

Product Property	
Capacities: (m²/h)	Max 2160
Forward speed (m/s)	0-1
Last working time (h)	≥4.5
Max pumping pressure (KPa)	15
Brush rpm (rpm)	300 (max)
Working Temperature (°C)	0-40
Working humidity (80% RH)	30-95
Sensor configuration	Lidar, depth camera, ultrasound, collision bar
Staging post	Automatic charging, discharging, adding cleaner
Remote multi-device management	Support

Application Collection



Macalline Mall-Shenzhen



Pacific Place-HK



Newbridge Airport-Hefei



ID PARK-Suzhou



Shangri-La- Singapore



Changi Airport- Singapore



MBC Internal-Singapore



NCS Group-Singapore

Why choose us?



save worry and effort

- All independent cleaning, reducing cost and increasing efficiency
- Work all the day and on call at any time
- Full protection, safe and reliable
- Cloud platform management,

convenient and fast



Strength support

- Multi-patent blessing, leading technology
- Multi-version iteration, excellent performance
- Multi-scene test, stable and reliable
- Multi-case validation, rich experienced



No worries for service

- Efficient business team, excellent service
- Mature supply system, quality assured
- Self-research self-production and marketing, communication comfort
- Professional after-sales team, easy maintenance



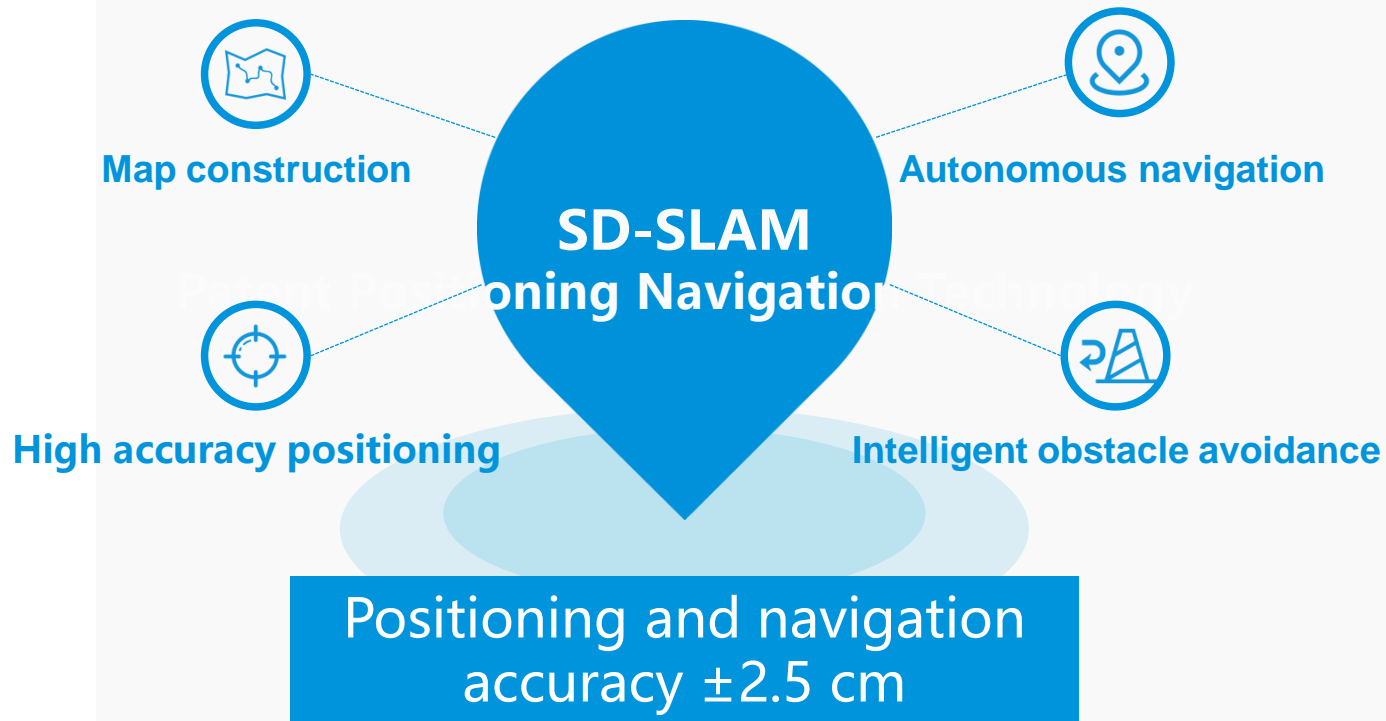
Star partners

- Strategic shareholders: Vanke, iFLYTEK
- Brand customers: China Resources, SF Express, China Star electricity
- Technical partner: Sike, open vision, etc.

Patent Navigation Technology



Independent R & D SD-SLAM Patent Positioning Navigation Technology realized that robot movement in large indoor and complex scenes.



More than 20 sensors fused
Multiple sensor combinations



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Thanks !