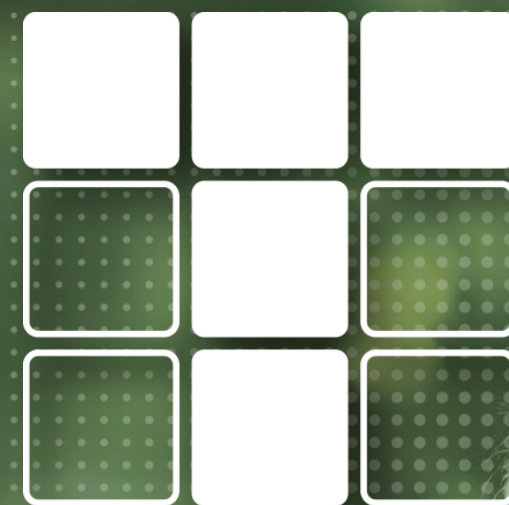




Nanjing TVX Cleaning Equipment Co.,Ltd

✉market@tvxlean.com 🌐www.tvxcleaning.com 📞

📍Building 8, Phase II, Zifeng Research and Innovation Center, No. 121, Baihe Road,  
Economic Development Zone, Pukou District, Nanjing



# Sustainability Report

2024





## To Partners

At TVX, we are committed to providing customers with professional cleaning equipment and cleaning solutions to improve people's quality of life and global environmental protection.

Our corporate vision and employee values clearly regard "people-oriented, innovation and sustainable development" as our social responsibility. Through the efforts of all employees, we continue to launch innovative cleaning products and derivative digital solutions to the market, and have gained a good reputation in the market, which marks an important step for TVX towards sustainable development goals.

Affected by the current global economic fluctuations and regional geopolitical instability, TVX strives to adapt to the market needs of customers from different regions and maintain its competitive advantage in the foreseeable future. At the same time, we are committed to minimizing the impact of production and sales on the environment on the product side. TVX actively responds to the Sustainable Development Goals (SDGs) proposed by the United Nations in 2023. Our sustainable development model that integrates company operations with environmental and social governance has prompted TVX to provide more innovative and environmentally friendly products.

Sustainable development and people-oriented have always been the core of our innovation. In terms of products, from the water recycling system, lithium battery life cycle management, and environmentally friendly recycled material water tank related to floor scrubbers, to the digital Internet of Things to improve the work efficiency and quality supervision of cleaners, and the carbon footprint calculated according to the EU carbon tariff CBAM declaration guidelines, to ensure that our products are durable, easy to recycle, and have less and less negative impact on the environment, adhering to this principle, we strive to design a new generation of machines to make cleaning more environmentally friendly.

TVX insists on fulfilling its social responsibility commitments and have completed the SA8000 system certification in 2024. In terms of supporting employees and supply chains, we aim to get customers' recognition and let employees participate in the decisions made by the company, so as to create more value externally and internally, improve the awareness and standards of the cleaning industry, including all our Chinese employees, overseas employees and suppliers. At the same time, we actively lead and participate in the industry standardization construction of ACCSEE, promote the certification system, encourage employees to re-learn, and continuously create an inclusive and open environment so that everyone has the opportunity to give full play to their potential.

Therefore, we publish the first sustainable development report, hoping to show you the development vision of TVX. This sustainable development report is an important guide for us to fulfill our social responsibility and continue to explore the path of sustainable development of enterprises.



**Chairman of TVX**



TVX's products cover more than 50 types in 6 series, including commercial professional cleaning equipment such as floor scrubbers and sweepers; as well as unmanned special equipment such as floor scrubber robots, disinfection robots, and explosion-proof equipment.

In addition to mechanical manufacturing, TVX develops and provides innovative products and solutions with intelligent manufacturing as the core, including industrial automation equipment, intelligent robot software systems and automation control systems.

In China, TVX has 13 years of industry experience and expertise, and continues to innovate to meet the needs of global customers.

## Customer Distribution

In different customer scenarios, we are committed to finding differentiated and sustainable solutions to minimize the impact of the scenario and activity on the environment.



Commercial Retail Stores



Factory



School



Hospital



Airport



Community



Automobile Manufacturing Company



Logistics and Transportation Companies

## About TVX

TVX is headquartered in Nanjing, China, surrounded by green mountains and far away from the city, minimizing the interference of noise and emissions on the environment in industrial production.

The company has branches and offices in Beijing, Shanghai, the United States and Europe.

140 Nanjing Factory  
Headquarters Employees

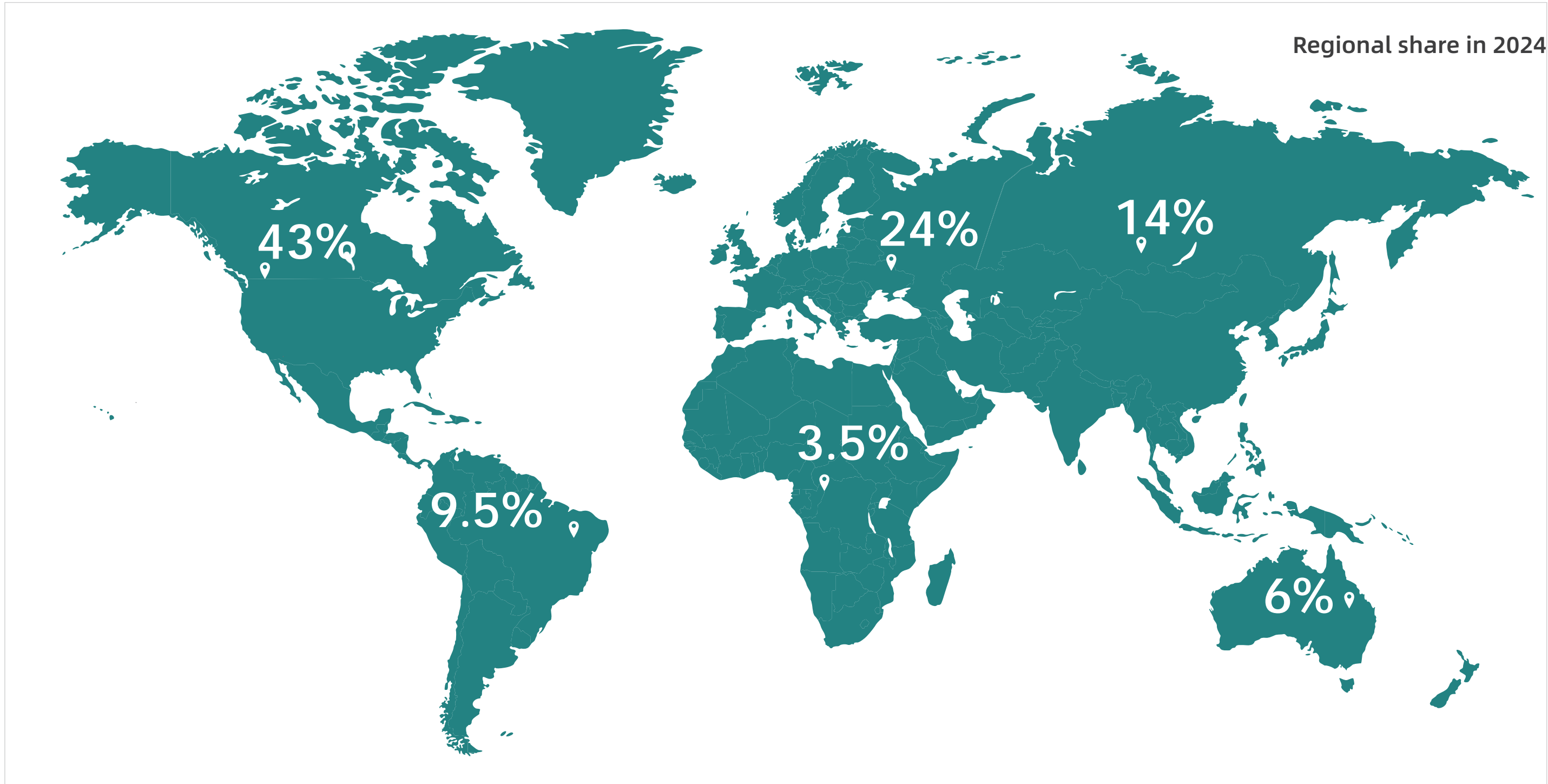
130 Global Distributors  
in B2B Market

44% Proportion of  
female employees

63 Countries and regions where we do business

476 91% of suppliers are from China





### Forecasted year-on-year growth in 2025

#### North America

USA +5%  
Mexico  
Canada

#### South America

Chile +6%  
Peru  
Uruguay

#### Europe

U.K. +15%  
France  
Italy  
Spain

#### Africa

Algeria +4%  
South Africa  
Seychelles

#### Asia

India +20%  
South Korea  
Kazakhstan  
Russia  
Singapore

#### Oceania

Australia +8%  
New Zealand

## Values

"Professional Cleaning Made Simple", we provide professional cleaning products to simplify customers' cleaning work. TVX employees abide by professionalism, respect customers and ourselves, and understand customer needs in a timely manner. Efficient and simplified communication is the secret to our decades of success.

For the team, we insist that employees are our most valuable assets. We continue to invest in the construction of the management team, insist on employee training, adopt job performance and last-place elimination mechanisms, and provide a large number of new employees with job opportunities through a reasonable elimination rate.

For customers, we follow the goal of "customer first" and pursue comprehensive customer satisfaction and product friendliness in product manufacturing. This concept of TVX has always supported the development of product research and development projects.

## Quality and Innovation

Our long-term goal for our products is to improve the quality of scenario cleaning and the work quality of production workers. To achieve this goal, we continue to innovate and invest in product quality. At the same time, we ensure the reliability of our technology by constantly studying details and testing product failures. In 2023, we had more than 130 technical improvements to improve the functions of all mass-produced products. As of November 2024, TVX had more than 80 technical improvements that continue to be made. We hope that our customers know the time and cost that TVX has invested in this area.

## Responsibility and Value

We take action to reduce the impact on the environment, protect the earth, and protect human health.

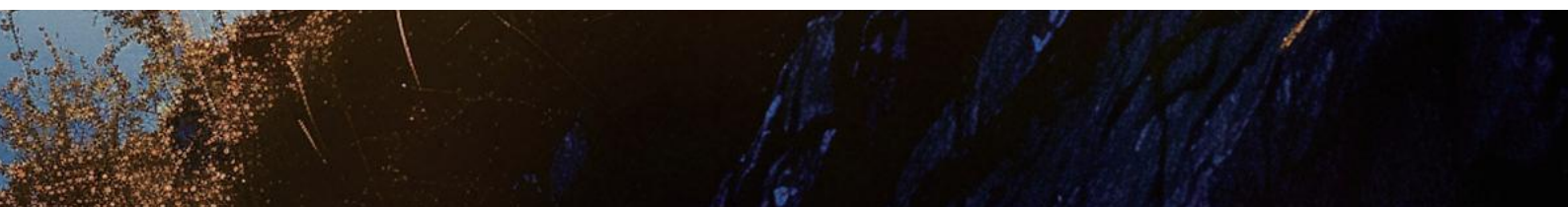
At our production bases, we focus on sustainable energy use, including water, product materials and packaging. We have proposed a certification system for environmentally friendly materials for some suppliers to ensure that the proportion of environmentally friendly materials used in some of our models exceeds 30%. At the same time, we are also promoting the certification of complete machines or components that meet the Global Recycled Standard for these machines.



**130** Items  
2023 Technical Improvements

**80** Items  
2024 Technical Improvement Project

**30%**  
Environmentally friendly materials account for more than





# Development History

## 2012

TVX: T comes from Trust, V means Value, and X stands for Endless Possibility. We hope to establish a trusting relationship with our customers, create value for them, provide quality products and services, and provide unlimited possibilities for the development of our customers in the local market and the growth of the TVX brand. With the growing market demand in the commercial cleaning field, TVX launched its first self-branded floor scrubber.

## 2013

TVX ERP system was launched, with processes covering the entire business line; in the same year, the PLM system was developed and launched, and the technical research and development process was standardized.

## 2014

- TVX participated in InterClean Cleaning Equipment Exhibition in the Netherlands for the first time. A total of TVX brand floor scrubbers were exhibited at the exhibition, which received wide acclaim in the market.
- TVX's full range of 5 models has obtained EU' s CE certification. More than 80% of electrical products have obtained UL certification.

## 2015

TVX's new factory is established in Nanjing Pukou High-Tech Development Zone, China

## 2016

- TVX factory obtained ISO9001 and ISO14001 system certification
- TVX obtains occupational health certification

## 2017

TVX's first automated floor-cleaning robot Robot 2 was launched, marking a major technological milestone for TVX

## 2018

The TVX software development team was established to cooperate with the production of TVX cleaning equipment. The digital-based software and hardware research and development system has made a qualitative improvement in the series of products.

## 2019

TVX has taken a solid first step towards sustainable product development. It has developed and obtained certification for the water circulation system and hypochlorous acid system, and has mass-produced the T130 series floor scrubbers and obtained SGS certification.

## 2020

TVX has reached a strategic cooperation with China's XCMG Machinery Group on cleaning equipment, and officially provides product ODM for the world's top 500 companies.

## 2021

TVX established its first overseas warehouse in France. In 2024, TVX continued to establish overseas warehouses in Germany.

## 2022

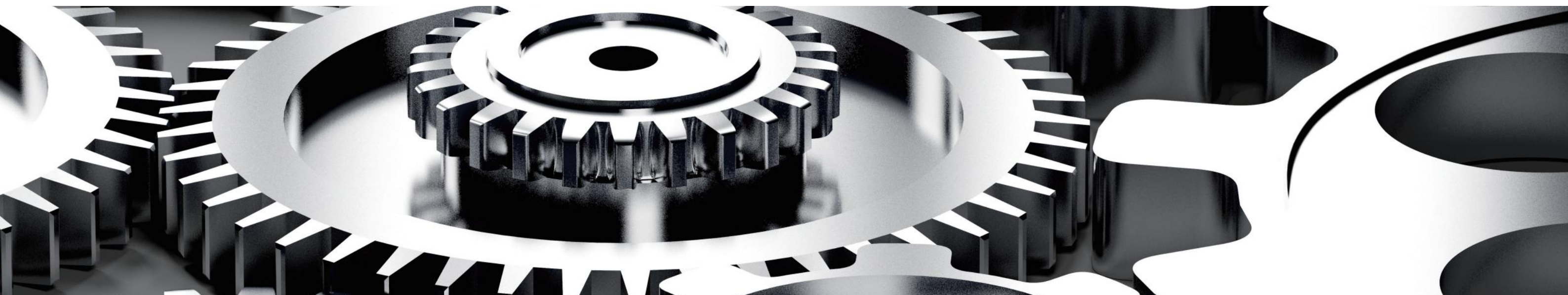
The TVX Clean Cloud key application system was officially launched. The system has obtained a number of Chinese invention patents and won the regional high-quality scenario application honor for two consecutive years from 2023 to 2024.

## 2023

The independently developed MOS production management system was officially launched, marking the full digitalization of TVX production management.

## 2024

- TVX registered its electrical sub-brand POWLINK. POW stands for energy and LINK stands for connection. It hopes to connect digital applications to digital vehicles, data-based after-sales maintenance, and remote diagnosis through connection, thereby reducing labor losses and impact on the environment.
- Lithium iron phosphate batteries for the floor scrubber market have been put into mass production. Compared with ordinary lead-acid batteries, lithium batteries have a longer service life and more competitive price-performance ratio, which has been widely praised by customers. This measure has made a continuous and outstanding contribution to reducing carbon emissions.





“

TVX promotes the digitalization of cleaning equipment manufacturing and continuously improves the cleaning quality of the commercial market by providing innovative, reliable, professional and personalized solutions. This is our persistent and continuous mission.

In the process of promoting sustainable development, we focus on fruitful partnerships with internal and external parties, jointly participate in our sustainable development plans, and jointly participate in sustainable development as well as environmental, social and economic issues.

We communicate and discuss extensively with customers, dealers, and supply chain parties to obtain their valuable opinions on the direction of sustainable development. TVX also focuses on these beneficial opinions and works closely with stakeholders.

”







# SUSTAINABLE DEVELOPMENT GOALS

## Environmental Themes

6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	11 SUSTAINABLE CITIES AND COMMUNITIES 
12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	13 CLIMATE ACTION 
14 LIFE BELOW WATER 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 
17 PARTNERSHIPS FOR THE GOALS 	

## Governance Themes

8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 
12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	13 CLIMATE ACTION 
16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 

## Social Themes

6 CLEAN WATER AND SANITATION 	8 DECENT WORK AND ECONOMIC GROWTH 
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 



## TVX's Commitment to the Environment

"Protecting the environment and natural resources is TVX's main goal. We are committed to protecting the earth's natural resources and focusing on the long-term development of human communities."

At TVX, we realize that our social activities will have an impact on the use of natural resources, waste generation and greenhouse gas emissions, and we realize that we must adopt sustainable practices to deal with these issues. Reduce waste, improve energy efficiency and strengthen material recycling to help us protect the environment, satisfy customers and ensure our sustainable development.





# Water Management

Water is crucial in the cleaning industry. On the one hand, cleaning equipment needs water to operate, and on the other hand, water will have an impact on the environment. This requires us to allocate and use water resources. At the same time, we must also think about how to reduce water use as much as possible when designing products without affecting cleaning performance.

At TVX's design center, we have developed a series of innovative products designed to improve water use and water conservation efficiency.

Goal: TVX reduces water use and promotes water stewardship through technology both within and outside the company

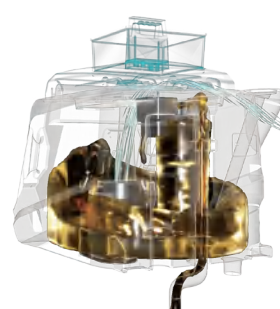


## Water and innovative solutions



### Detergent quantitative distribution system

It is a system designed by TVX to automatically proportion water and detergent. Through reasonable settings, it can reduce water waste and save 50% of water resources and detergent. We know that excessive use of detergent is likely to affect environmental protection. We have set different distribution gears to allow the machine to automatically match specific scenarios to avoid excessive use of detergent.



### Water recycling system

This technology can recycle the wastewater from the floor scrubber tank, filter it and return it to the clean water tank for use. This innovative system can increase water efficiency by more than 50%.



### ECO Energy Saving Mode

Some TVX models are equipped with this function, which allows the floor scrubber to operate in an energy-saving working state, reduce motor output, automatically reduce water usage, and reduce machine operating noise to reduce waste.





# Energy Reduction Solutions

TVX is committed to environmental protection. When designing and producing machines, we consider how to reduce energy usage, allow the machine to produce as much cleaning power as possible with lower energy consumption, extend the life cycle of the machine and use more recyclable materials for parts.

**Goal: Improve energy efficiency and reduce energy generation and consumption through technology both inside and outside the company**



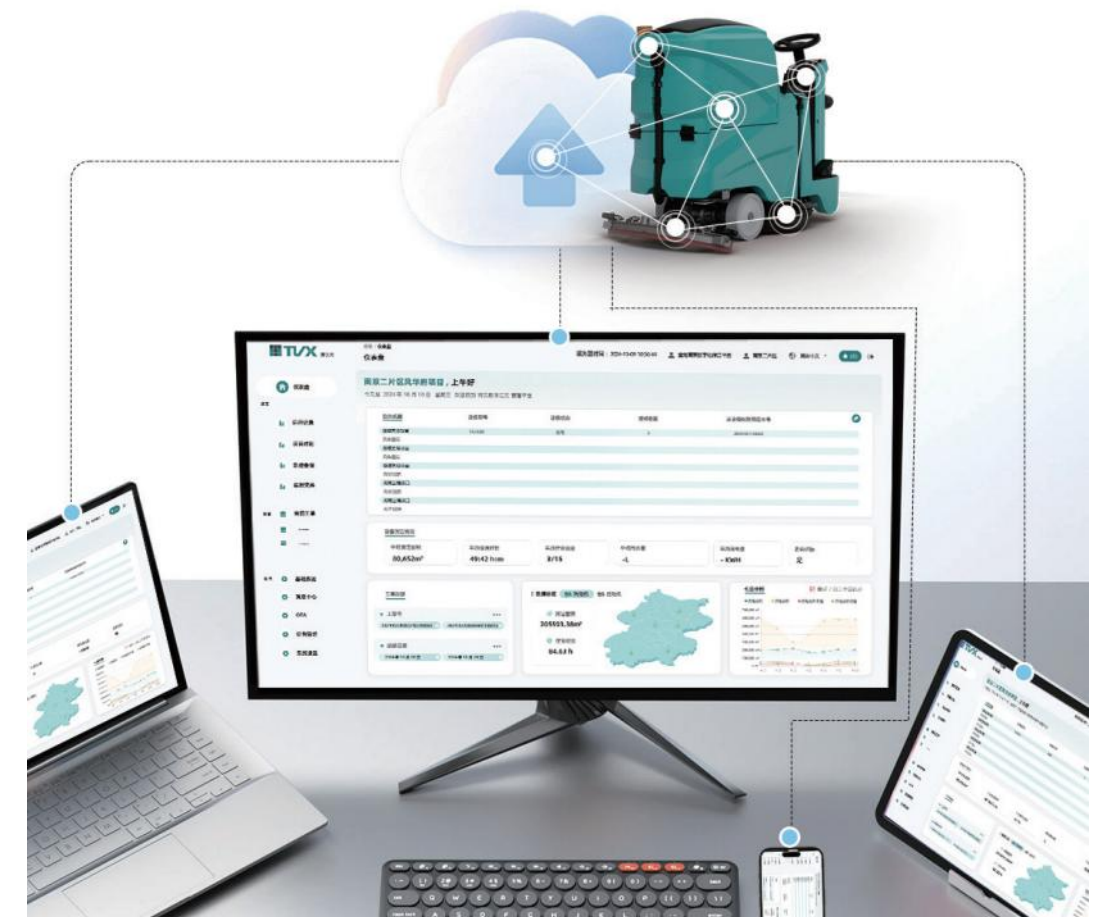
## Brushless motor

TVX's new generation of floor scrubbers and robot products have begun to promote the use of brushless motors. Although the cost of brushless motors is slightly higher than that of brushed motors, their advantages are stronger speed power, smaller size, and stronger torque. Since brushless motors reduce the use of carbon powder, they are also very environmentally friendly.

## Digital cleaning cloud platform

The TVX system is connected to the VCU and battery management system of the floor scrubber through CAN. The machine's operating data, trajectory, operation time, water and electricity consumption, and after-sales scheduling can all be uploaded to the cloud and calculated and displayed. This technology has been put into actual operation in more than 500 projects in China.

The on-site troubleshooting service for machine failures caused by after-sales customer complaints often consumes a lot of manpower and is not easy to restore the scene. Through the TVX Clean Cloud Internet of Things, we can trace the machine's operating status for more than 1 year, including the current and voltage of a motor at a certain point in time. These data are very helpful to after-sales engineers. Taking European market as an example, the on-site fee within 500km may be as high as €100. If a dealer has 1,000 machines in operation and each machine has 2 on-site inspections per year, now through remote diagnosis of the Internet of Things, nearly €200,000 can be saved.





## Energy-Saving Technology

TVX is committed to environmental protection. When designing and producing machines, we consider how to reduce energy usage, allow the machine to produce as much cleaning power as possible with lower energy consumption, extend the life cycle of the machine and use more recyclable materials for parts.



### Energy Saving Mode

The specially designed ECO mode reduces the energy consumption and noise of the machine when it is working, and increases the battery life of the device.

### Pressure Monitoring

The power distributed by the motor is monitored through the pressure sensing device to adapt to the maximum pressure requirements of different ground

### LED Lighting

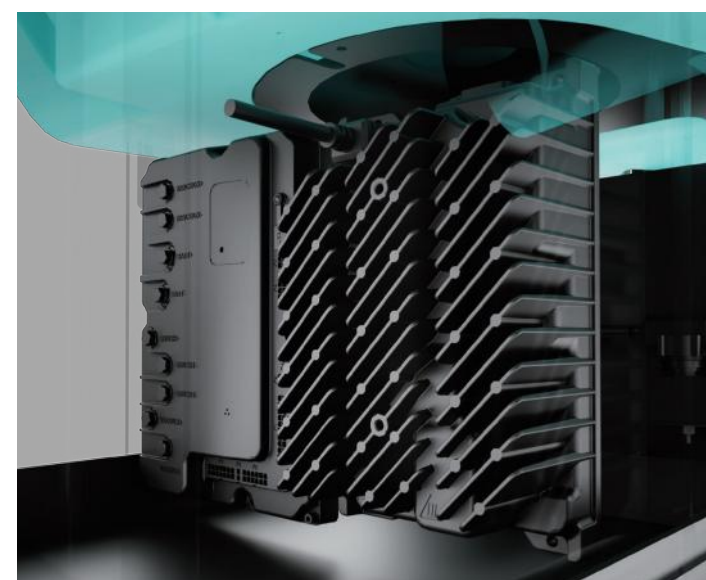
Most TVX models have adopted LED as the lighting source, which can significantly save energy and save 80% of energy compared with standard halogen bulbs.

### Lithium Battery

Lithium battery uses high-capacity lithium iron phosphate cells, which are light in weight and have high energy utilization. Its cycle life can reach more than 3,000 times, which is economical and practical. When used in floor scrubbers, (longer battery life) it can effectively maintain energy levels for a long time, and is compatible with high-efficiency chargers for faster charging. This allows the machine to be truly charged whenever it is used.

### High-performance digital charger

Powlink digital charger is a new generation of digital charger launched by TVX for the cleaning industry and engineering low-voltage electrical market (IP66 protection level waterproof and dustproof, no fan required, metal fins for natural heat dissipation). Structurally, the powlink charger adopts a fully sealed dustproof and waterproof design, and uses metal fins for natural heat dissipation, which minimizes the secondary environmental pollution caused by fan heat dissipation, and also improves the service life of the charger from the design. (The charger program can be controlled through the mobile phone App. The charger curve can be quickly adjusted by connecting the mobile phone and the charger via Bluetooth.) This series of chargers can be replaced and matched with the charging curves of different batteries at the terminal through software, including lead-acid batteries, lithium batteries, hydroelectric batteries, etc., and the rated power can be set downward on the same power platform, truly achieving multiple uses of one machine, which can save considerable hardware purchase costs.





# Energy-Saving Technology

TVX is committed to environmental protection. When designing and producing machines, we consider how to reduce energy usage, allow the machine to produce as much cleaning power as possible with lower energy consumption, extend the life cycle of the machine and use more recyclable materials for parts.

## Bidirectional Inverter for Vehicles

Powlink Bidirectional Inverter is a high-efficiency bidirectional charging and discharging inverter designed for large floor scrubbers or engineering vehicle systems based on the powlink series chargers. The discharge power of a single device can be 2kw-4kw. The development of this system combines charging equipment and inverter equipment together, eliminating a set of hardware mechanisms. At the same time, on low-voltage new energy vehicles, it solves the bottleneck that traditional battery-driven floor scrubbers cannot output AC power at high power.

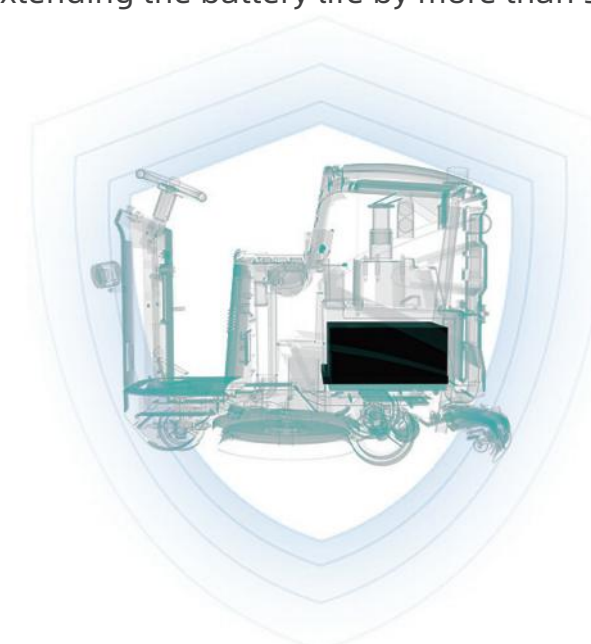
In terms of sustainable development and carbon emission reduction, the device uses the peak and off-peak electricity price difference to effectively use off-peak energy to replenish batteries and power other equipment during peak hours, effectively improving the value of energy utilization.

## Digital Bluetooth diagnostic module

Powlink charger has designed and developed an external Bluetooth module interface, which can be connected to a mobile phone application or a floor scrubber host equipped with CAN communication via CAN and Bluetooth wireless, providing charge/discharge data, fault information, and health management of the charged battery.

## Battery health management

Battery health management, this technology was put into research and development in 2022 and is still being improved. For projects and equipment that upgrade lead-acid batteries to lithium batteries, we can also manage battery health through wireless or Bluetooth technology, effectively avoiding irregular battery charging operations and keeping the battery in good working condition. We have data showing that more than 60% of end users currently do not know how to charge and discharge the battery to achieve the best condition, but through TVX' battery health management system, this misunderstanding can be effectively avoided, extending the battery life by more than 30%.



**Goal: Committed to strengthening infrastructure construction, focusing on improving energy efficiency and conservation, and ensuring sustainable development**





## Air Emissions Commitment

TVX is committed to environmental protection. In the design and production of our machines, we put our efforts to reduce energy consumption, enable the machines to generate as much cleaning power as possible with lower energy use. We also focus on extending the lifespan of the machines and using more recyclable materials for the components.

“TVX is committed to environmental protection. In the design and production of our machines, we put our efforts to reduce energy consumption, enable the machines to generate as much cleaning power as possible with lower energy use. We also focus on extending the lifespan of the machines and using more recyclable materials for the components.”

At TVX, direct CO2 equivalent emissions are mainly from processing, while indirect emissions mainly come from the use of electricity purchased from the grid.

Since 2024, TVX has been aware of the impact of product carbon footprints. We have actively responded to the standards for quantifying and reporting product carbon footprints issued by the International Organization for Standardization (ISO 14067 and ISO 14064). These certifications have provided a clear direction for our products to meet increasingly stringent regulatory requirements and enhance market competitiveness.

In 2025, we will take proactive measures to obtain ISO 14067 and ISO 14064 certifications, which will be used to quantify GHG emissions throughout the product life cycle in support of carbon footprint assessment.

To fulfill our commitment to combating climate change, we have established KPI to measure the achievement of our goals since 2024 and have used the Carbon Border Adjustment Mechanism (CBAM) to calculate the amount of carbon emissions.

**Goal: Calculate and convey the carbon footprint of floor scrubbers in response to growing stakeholder demand to understand the impact of products on climate change**



**CBAM**

Calculating carbon emissions



Reduction of indirect emissions



Direct emissions reduction





# Waste management and the circular economy

TVX's efforts to reduce the impact on the environment require long-term strategies, in which resource and waste management is crucial.

At TVX, we are committed to the principles of the circular economy, striving to reduce waste in the manufacturing process, improve efficiency, and constantly seek innovative solutions to improve the recyclability of materials and products, and minimize their impact on the environment from the beginning of design.

The circular economy advocates the concept of “Reduce, Reuse, Recycle.” Our goal is to provide end users with information about the recyclability and disposal of our machines, ensuring that consumers actively participate in the effective life cycle management of our products while ensuring the high quality of our products.

TVX's environmental goals include using fewer resources in manufacturing and generating less waste .

## Environmentally friendly packaging

Starting from 2022, TVX product packaging has begun to be fully environmentally friendly, including packaging cartons that comply with the 6A6B system and auxiliary materials in the packaging cavity. In 2024, 95% of TVX product packaging has used environmentally friendly and recycled materials. At the same time, we are also reducing the printing consumption of paper materials such as manuals. It is expected that in the near future, except for a small amount of necessary paper materials that are packaged with the machine, the rest of the technical documents will be distributed and obtained through online download.



## Environmentally friendly raw materials

TVX promotes the sustainable development of important components. The exterior covers, decorative materials, and water tanks of some products are made of renewable and environmentally friendly materials. The raw materials are certified by the Global Recycled Standard (GRS). Among them, the plastic particles used to manufacture water tanks are 100% produced from recycled and environmentally friendly materials (PCR). TVX has also obtained GRS certification and traceability in the supply chain.

The use of recycled materials is an important milestone in TVX sustainable development. The equipment produced using this material will have the GRS identity marked on the body.



**Goal: Promote a circular approach to TVX’ s manufacturing process, reduce waste through recycling and reuse programs, and strive to reduce the consumption of raw materials.**

**3**
GOOD HEALTH AND WELL-BEING

**8**
DECENT WORK AND ECONOMIC GROWTH

**10**
REDUCED INEQUALITIES

**16**
PEACE, JUSTICE AND STRONG INSTITUTIONS

**17**
PARTNERSHIPS FOR THE GOALS



# SA8000

Social Responsibility Management System Certification



45

44%

15%

43%



## Working Conditions

Improve the performance of enterprises in terms of labor conditions, thereby promoting the sustainable development of enterprises.

## Human Rights Protection

Improve the performance of enterprises in areas such as human rights protection, thereby promoting the sustainable development of enterprises.



## Environmental Protection

Improve the company's performance in environmental protection and other aspects, thereby promoting the company's sustainable development.



“ The social responsibility standard is the world's first international standard of ethical norms. It aims to promote the sustainable development of enterprises by regulating their social responsibility management and improving their performance in labor conditions, human rights protection, environmental protection, etc.

In the course of corporate development, Tevos firmly fulfills its social responsibility commitment and passed the SA8000 certification in 2024.

”

Employees are TVX's most valuable assets. We firmly believe that our success is inseparable from the vitality and enthusiasm of employees. Therefore, employees are the pillars of our success.

Our goal is to motivate employees by creating a work environment full of rules, trust and respect, while firmly committed to ensuring everyone's safety. We insist on doing this, and our supply chain and customers agree with this.

Most of our employees are between 25 and 55 years old, of which 15% are over 45 years old, and most of the remaining employees are under 35 years old.

It is worth noting that the average service period of TVX employees is 7.5 years.

## Employee Career Development

In the employee handbook, all employees must be familiar with this Code and adhere to the values, goals and commitments outlined in these documents. In 2024, the TVX team expanded, with a 7% increase in employees compared to 2023. This growth confirms that TVX is an excellent company with a stable workforce.

## Decent Wages and Working Hours

TVX ensures that employees receive reasonable wages and working hours. We pay employees standard wages on time and arrange overtime reasonably. All TVX employees are protected by labor agreements stipulated by national laws. We comply with and follow the provisions of national laws and labor laws on work management methods, working hours, various types of vacations, disciplinary actions, contract status and wage calculation. In addition to the normal monthly labor wages, employees are entitled to performance and bonuses issued by the company based on their contribution to the work. This part of the reward is assessed to employees through the company's KPI.



### Freedom of Association and the Right to Collective Bargaining

TVX has established a comprehensive trade union organization through elections for all employees, respecting employees' freedom of association and collective bargaining rights, and not interfering with employees' organization or participation in trade unions. We specifically stated in the employee handbook that the trade union plays an important role in the company, and the company declared its support for trade union activities. We ensure that all employees have the right to join the trade union in accordance with the law. We also ensure that worker representatives perform their representative duties in the workplace, prohibit any form of discrimination, including discrimination based on gender, race, religion, etc., and ensure that employees have equal employment opportunities.

### Health and Safety

TVX continues to provide employees with a safe working environment, actively carries out health and safety training, and provides employees with necessary protective equipment throughout the production process.

### Protection of Children and Young Workers

In 2024, the size of the TVX team will expand, with a 7% increase in employees compared to 2023. This growth confirms that TVX is an excellent company with a stable workforce.

All TVX employees are protected by labor agreements stipulated by national laws. We comply with and follow the provisions of national laws and labor laws on work management methods, working hours, various types of vacations, disciplinary sanctions, contract status and wage calculation.

In addition to the normal monthly labor wages, employees are entitled to performance and bonuses issued by the company based on their contributions to the work. This part of the reward is assessed to employees through the company's KPI.

We specifically stated in the employee handbook that the union is an important position in the company, and the company stated that it supports union activities. We ensure that all employees have the right to join the union according to law, and we also ensure that worker representatives perform their representative duties in the workplace without any discrimination.

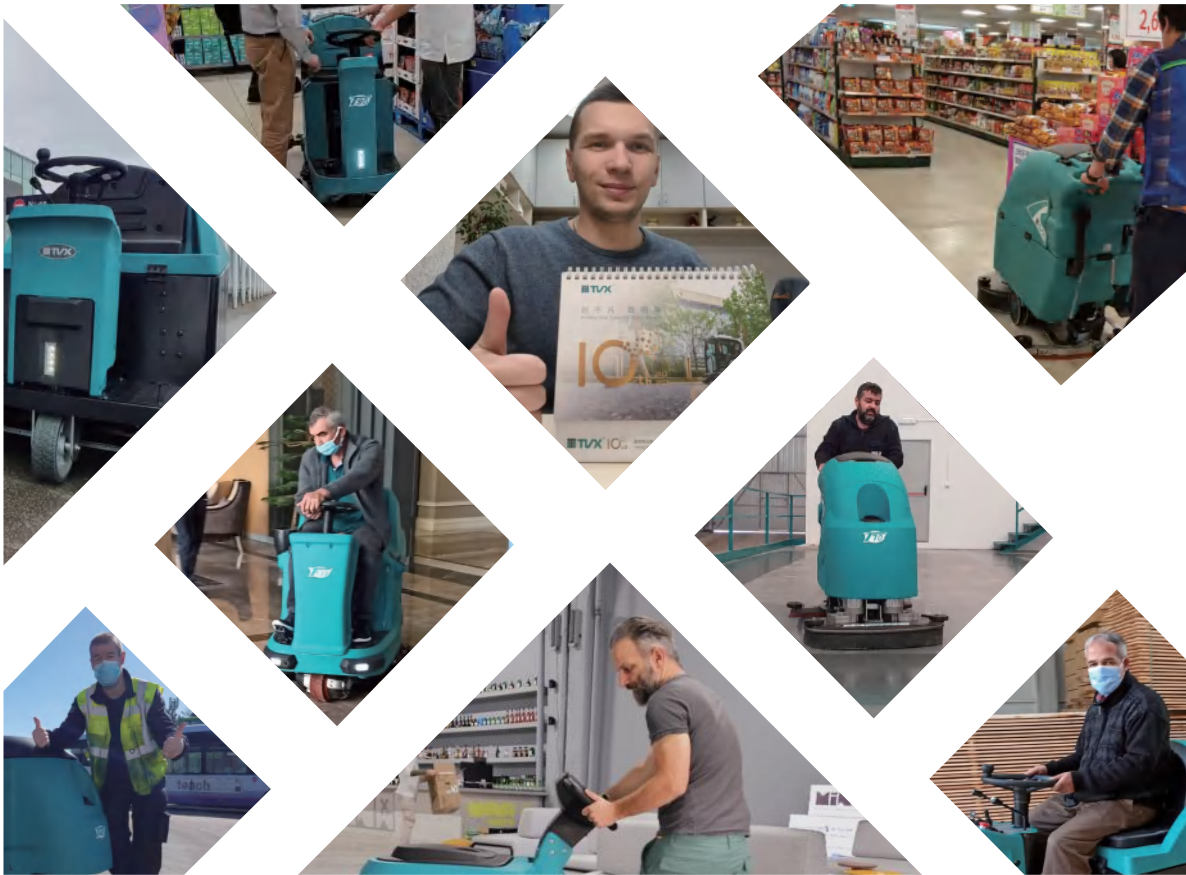
We reiterate that the company will not use labor or child labor indirectly or forcibly.

+39%

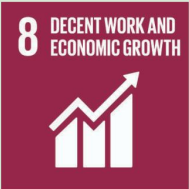
7.5

+62%

7%↑



**Purpose: At TVX, we strive to create a healthy, safe and fair workplace for everyone. Our goal is to cultivate, recognize and enhance the creativity and productivity of everyone.**





## Communication with Stakeholders

TVX always adheres to high standards and strict requirements in the selection of suppliers and partners, and gives priority to suppliers that meet the SA8000 standard. The company is well aware that a responsible supply chain is a key link in achieving sustainable development of the company. To this end, TVX has established a complete supplier evaluation system to conduct a comprehensive evaluation of potential suppliers from multiple dimensions to ensure that their performance in social responsibility, environmental management, quality control, etc. meets the company's requirements. The evaluation system includes but is not limited to the following:

- Environmental management assessment

We evaluate and promote whether suppliers take effective environmental protection measures in the production process to reduce the impact on the environment, such as energy conservation and emission reduction, waste management, etc.

- Quality system review

We require suppliers to pass ISO quality system certification to ensure that the quality of their products and services meets international standards.

- Ethical standards audit

We ensure that suppliers abide by the principle of integrity in their business activities and eliminate any form of bribery and unfair competition.

### Supplier Training and Support

- TVX is well aware that the sustainable development capabilities of suppliers are the key to the sustainability of the entire supply chain. Therefore, the company provides suppliers with comprehensive training and technical support to help them improve their social responsibility management level and production efficiency.

- Social responsibility training

Regularly hold social responsibility training courses for suppliers, covering knowledge on SA8000 standard interpretation, labor rights protection, environmental protection, etc., to help suppliers better understand and implement social responsibility requirements.

- Supply Chain Supervision and Improvement

When selecting supply chain partners, TVX strictly follows the requirements of the ISO quality system and conducts a comprehensive review of suppliers. On this basis, the company further strengthens the supervision of suppliers' ethics and social responsibility standards.

- Risk warning and intervention

By establishing a risk warning system, timely discover possible problems in suppliers' social responsibility management, and take intervention measures to help them correct deviations in time to avoid further deterioration of the problem.

- Improvement measures and incentive mechanisms

For suppliers with excellent performance in social responsibility management, TVX will give commendations and rewards, such as priority order allocation, long-term cooperation opportunities, etc.; for suppliers with problems, they are required to formulate improvement plans and complete rectification within the specified time. The company also provides necessary technical support and training to help suppliers improve their management level.

- Cooperation and Sharing

Establish long-term and stable cooperative relationships with suppliers, and jointly promote the sustainable development of the supply chain by sharing resources, technology and experience. For example, TVX cooperates with suppliers to carry out environmental protection projects, jointly explore green production models, and reduce the impact on the environment.

Through strict supervision and continuous improvement, TVX ensures that every link in the supply chain meets high standards of social responsibility requirements, laying a solid foundation for the company's sustainable development.



SA8000



# Social Responsibility Standards

Young people are the future of TVX, which will affect the entire society. Relying on young people to promote innovation, creation and change is the mission of the TVX team. This is why we believe that investing resources, time and support to cultivate and develop young talents is the key.

Since 2022, through the management trainee program with universities, we have welcomed 12 master's students. They work both in the school's computing laboratory and in TVX's technical research and development department. The positions arranged by TVX for them are completely matched with the majors they studied in school. This form of cooperation enables us to share the knowledge, experience and company values of our engineers. Through our joint work, we help students effectively integrate into the work atmosphere in advance. Of course, we also gain and precipitate theoretical engineering knowledge from the school.

- Professional skills training program

TVX provides employees with comprehensive professional skills training, covering multiple fields such as technology, management, and safety. The company has launched the "Smart Manufacturing Skills Improvement Program" for technical employees, helping employees master advanced cleaning equipment manufacturing technology through joint teaching by internal trainers and external university experts. In 2024, the company held a total of 30 technical training courses, which significantly improved employees' operating skills and innovation capabilities.

2022

Won the title of Jiangsu Province Specialized, Refined and New Enterprise

2023

Won the title of Jiangsu Engineering Research

2024

Won the title of Nanjing Key Application Scenario

2023

Established a school-enterprise cooperation production-university-research base with Nanjing Agricultural University

2024

General Manager Mr. Paul Shi was hired as a postgraduate tutor at Nanjing Agricultural University



- Safety and health training

In order to ensure the health and safety of employees, TVX regularly conducts safety training and emergency drills. In 2024, the company introduced an internationally advanced safety management system and conducted systematic safety training for all employees, including equipment operation safety, fire protection knowledge, and occupational disease prevention and control. Through these trainings, the company's annual work-related accident rate decreased by 2%, and employees' safety awareness was significantly improved.

- Career development planning support

TVX provides personalized career development planning support for employees, helping them to clarify their career goals and provide promotion opportunities. The company has established an internal promotion mechanism to encourage employees to improve their abilities through training and practice. In 2024, a total of 15 employees of the company were promoted through the internal promotion mechanism, accounting for 10% of the total number of employees.

- Employee welfare and quality of life improvement:

TVX not only pays attention to the career development of employees, but also strives to improve the quality of life of employees. The company provides employees with benefits such as five insurances and one housing fund, free shuttle bus, lunch allowance, performance bonus, paid annual leave, etc. In addition, the company also regularly organizes team building activities and employee health examinations to enhance employees' sense of belonging and happiness.

**Community participation and charity projects: TVX actively fulfills its social responsibilities, gives back to the society and promotes sustainable development by participating in community construction and carrying out charity projects.**

- Anti-epidemic and disaster relief donations

In 2021, in the face of floods in Henan and the new crown epidemic at Nanjing Lukou Airport, TVX responded quickly, urgently allocated resources, and donated 200 disinfection sprayers with a total value of more than 200,000 RMB. These devices were used for epidemic prevention in the disaster-stricken areas of Henan and Nanjing Lukou Airport, helping the local area to restore production and living order. This action not only reflects the social responsibility of TVX, but also demonstrates the company's technical strength in the field of public health.

- Community cleaning and environmental protection projects

TVX actively participates in community cleaning and environmental protection projects to promote the concept of green development. In 2024, the company cooperated with several communities in Nanjing to carry out the "Green Cleaning Action" to provide professional cleaning equipment and technical support to the community to help improve the environmental sanitation of the community. In addition, the company also organized employee volunteers to participate in community tree planting activities, planting more than 500 trees in total, contributing to the greening of the community.

Through the implementation of the SA8000 standard, Nanjing TVX Cleaning Equipment Company has achieved remarkable results in employee training and development, community participation and public welfare projects. The company has not only improved the professional skills and quality of life of its employees, but also given back to the society through practical actions and promoted sustainable development. In the future, TVX will continue to uphold the concept of "taking technological innovation as the cornerstone and customer value as the goal", further deepen social responsibility management, and contribute more to the sustainable development of society and the environment.





## Certification Transparency

TVX is committed to the advancement of the certification system and pledges our emphasis on product quality, sustainability and transparency through transparent and open certification.

We require all TVX suppliers to also abide by clarity, transparency, integrity, and respect for information and the right to know.

We follow these principles on all product labels. Our goal is to accurately provide



### CE

TVX machines are manufactured in accordance with EU Directives 2006/42/EC, 2014/35/EU, 2014/30/EU, and relevant IEC standards, which vary depending on the TVX model.



### ETL

It is the abbreviation of the American Electronic Testing Laboratories, which was founded by Thomas Edison in 1896 and is a NRTL (Nationally Recognized Laboratory) approved by the U.S. OSHA (Federal Occupational Safety and Health Administration). Any electrical, mechanical or electromechanical product with the ETL inspection mark indicates that it has been tested and meets the relevant industry standards.



### SA8000:2014

Social Accountability 8000 is the abbreviation of "Social Accountability Standard", which is the world's first international standard of ethical standards. Its purpose is to ensure that the products supplied by suppliers meet the requirements of social responsibility standards.



### ISO 9001:2015

TVX received certification based on the company's quality management system, which is very important for TVX professional management.



### ISO14001:2015

TVX received an official environmental protection certification, which ensures that the company controls the impact on the environment during the production process and is committed to reducing such impact.



### ISO 45001:2018

TVX received certification for its occupational health and safety management system requirements. TVX is able to provide healthy and safe working conditions to prevent work-related injuries and health damage, while proactively improving occupational health and safety performance.



### GRS

The full name of GRS is Global Recycled Standard, which is an international certification system. This certification system is mainly used in many industries such as textiles, plastics, packaging, and cosmetics to ensure that products made of recycled fiber materials in these industries are traceable, compliant, and meet environmental standards. The core of GRS certification is to promote the application of recycled fiber materials and promote the recycling of resources, thereby supporting the recycling economy and sustainable development. At present, we have completed the GRS certification of some component materials, and we will continue to promote GRS whole machine certification in 2025.







## ACCESS Association

- ACCESS is the China Cleaning Equipment and Supplies Suppliers Association, which is registered in Hong Kong, China. ACCESS is recognized and supported by major suppliers in the professional cleaning equipment supply chain in China and the Asia-Pacific region.
- ACCESS is the setter of China's cleaning equipment industry standards and the key contact person for industry rules.
- TVX is a founding member of ACCESS and also a governing unit.
- Mr. Shi Haibo, general manager of TVX, is the president of the association.



ISO9001



ISO14001



SA8000



CE



ETL



ISO45001



国家标准化管理委员会  
National Standardization Administration

China Service Standardization Technical Committee