



# YZ-X1 FLOOR SCRUBBER

Operating instruction

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## **Catalogue**

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## **1.0 Operation safety guidance**

Read this manual carefully before operating the machine. General safety reference in the preparation, operation and maintenance of machinery

And describes in detail in this book that accident prevention rules must be followed when used. If by reason of non-compliance with these rules

Causes the accident, the manufacturer will not be responsible!

This manual is also an important accessory to the machine and should ensure that the operator can read or listen professionally before using it

Personnel to do relevant explanations, should be placed in a place can often read. The following three ICONS are used in this guide

Important note.

Tip: Important information about economic use. Failure to follow this tip may result in mechanical failure!

Note: Failure to follow this tip may result in mechanical failure and property damage!

Prohibition: Failure to follow this instruction may endanger persons or cause serious damage to property!

### **Safety Precautions**

Attempt to operate or repair the machine without reading this instruction manual may cause harm to you or others

Capable of damaging machinery or other property. The operator must go through the system training before using the machine to be on duty.

In order to avoid the occurrence of fire, the machine is only suitable for non-explosion-proof grade commercial floor cleaning.

An incomplete or unassembled machine may cause injury or damage to you or others Machinery or other property. Do not operate the machine until it is fully assembled. The user is operating the machine

Please carefully check the integrity of the machine before using it.

Maintenance of the machine should be carried out by professionally trained personnel, check the machine should be disconnected from the power connector, so as to avoid Inadvertently enlarge the fault.

Reconnect the battery, be sure to pay attention to the polarity of the connection line and the battery, absolutely not wrong, after the connection is completed

Check it again and again before connecting the battery connector to the machine.

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The machine USES DC power supply, battery polarity connection error is absolutely not, once connected with the machine will

Damage to all electrical parts of the machine!

Different specifications, brand batteries have a matching charger, do not use the matching charger can be

Can damage the battery, and may even cause the battery burst, be sure to pay high attention to!

The maintenance of the machine must be carried out by special maintenance department professionals, such as unauthorized maintenance and dismantling of the machine will be available

Human injury and machine damage can occur. The machine has been debugged before leaving the factory, and it should be guaranteed after maintenance and disassembly

All fasteners are not loose, the adjustment pieces are adjusted and locked as required.

The electrical components of the machine may be short-circuited in the presence of water or in a humid environment. Make sure the electrical components are

Dry. Wipe the machine clean after use and leave it in a dry environment.

The charging area should be ventilated. The charger should use a three-core power cord with a ground wire and a power supply. In order to avoid electric shock accidents to the maximum extent, please install a leakage circuit breaker.

Don't put anything on the battery!

When cleaning the machine, please do not inject water into the suction motor inlet!

Failure to pay attention to the label on the machine and the contents of the instructions will result in injury. Be sure to read all the labels on the machine before you operate it.

The machine cannot run on rough ground and slopes, and the operator cannot sit on the machine.

Avoid contact between hands, feet and loose clothing with rotating parts of the machine.

When the machine is operating on the side, please be careful and slow. Pay attention to the space between the collision avoidance wheel and the wall, so as to avoid the machine moving on small obstacles, such as the ground power socket, threshold and the ground thread.

Use of water or detergent can cause wet surfaces to slip and fall. Place warning labels around them.

The machine is very heavy, please pay attention to safety in transportation. When handling the machine, if there is a battery, first remove the battery, and then be sure to move the metal frame at the bottom of the machine, do not put the force point on the plastic water tank!!

**Pay special attention to****When turning over the sewage tank, please be sure to empty the water in the tank!!****Do not start the floor washer and charger in combustible gas or liquid condition.****It is not allowed to store or park the floor washing machine in the place of combustible gas and liquid.**

## **2.1 Functions and Precautions**

**Function: X1 floor washer is suitable for cleaning flat surfaces. This machine USES a 13-inch brush plate or needle seat to clean the floor. The washed dirty water is sucked into the sewage tank by the suction pick at the back of the machine.**

**Matters needing attention**

1. This equipment is an efficient hard floor cleaning machine with the function of cleaning and water absorption, but it does not have the function of cleaning the ground. Before use, the debris on the ground should be cleaned to avoid entangling and blocking the machine and affecting its normal work;
2. This equipment is suitable for cleaning on smooth and hard ground, if there is a gap in the floor tile or rough stone, The ground, although can clean dirt, but cannot be as smooth as the ground will completely dry water;
3. The equipment is designed for use on flat ground. Do not operate or operate on inclined surface, Avoidance of danger;
4. The equipment should be stored and parked horizontally, and non-professionals are prohibited to operate the equipment;
5. Do not start and place the equipment in the flammable, explosive and chemical environment;
6. The device is powered by the battery, and the acid in the battery can burn the skin and eyes. The operator is checking the electricity, Wear protective clothing and glasses in the pool to prevent accidents;
7. Do not place any metal objects on the battery to avoid damaging the battery;
8. When charging, no fires are allowed around. Use a charger that matches the battery Will damage the battery, when serious may cause battery burst;
9. The operator shall not wear slippers or bare feet when operating the equipment;
10. Do not put your hands or feet on the rotating brush plate;
11. All kinds of operation safety marks on the equipment should be kept clear and in good condition;
12. The operating parts of the electric appliance should avoid the infiltration of water and other liquids. It is advisable to wipe all parts of the equipment with wet cloth;
13. Maintenance and repair of the equipment must be carried out by professionals

## 2.2 Features and parameters

**This equipment is professional level automatic cleaning equipment. It has the following characteristics:**

1. Simple and flexible operation

Control panel operation, can achieve forward, stop and back, wheel with rolling bearing, and small turning radius, more conducive to cleaning the corner area.

2. Electric quantity indicator

Different color indicator shows the use of the battery, so that the operator can master the cleaning work

The quantity, facilitates the regular maintenance to the machine.

3. Easy to maintain

The sewage tank is designed to turn over, which is partial to the installation and removal of batteries. The suction motor is installed on the cover of the sewage tank

After the sewage tank cover is turned over, the water absorption motor can be easily repaired;

4. Scraper replacement is convenient and fast

Loosen the fixed handle of the suction scraper, pull out the suction pipe joint, and the suction scraper can be easily removed. Loosen the two scraping strips

The bolts can be replaced immediately, and the scraper can be reused upside down.

### Main technical parameters

	YZ-X1
Brushplate working width (mm)	350
Squeegee working width (mm)	450
Clean water tank volume (L)	10
Sewage tank capacity (L)	15
Cleaning capacity (m <sup>2</sup> /h)	1350
Battery (v/ah)	24/32
Vacuum motor power (W)	500
Brush-plate motor power (W)	400
Working hours (h)	1.5-2
Weight (kg)	75
Transportation package size (mm)	700*450*1050

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### **3.0 Do's and don 'ts for first use**

Please follow the following procedures for the first use of the new machine (under the guidance of the sales engineer assigned by the company or the agent) :

1. Open the package carefully to prevent damage to the machine during opening. Remove the machine from the packing case carefully. Check whether the random accessories are complete;
  2. After carefully reading the Operation Manual or explaining the operation essentials and precautions by the sales engineer, Operate the machine on a fully understood basis (assign a person to operate it) ;
  3. Connect the suction gripper with the suction gripper. After adjusting the position, tighten the two fixed handles, straw mouth and the machine Is connected to the joint of;
  4. Take out the brush plate and select the appropriate brush plate or cleaning pad according to your ground condition to prepare for the installation;
  5. Pour clean water into the clean water tank;
  6. Put the brush plate on, put down the water-absorbing steak and brush plate;
  7. Start suction motor, brush motor and solenoid valve;
  8. Open the handle of the water valve switch to adjust the appropriate water output;
  9. Turn on the forward switch for cleaning;
  10. After cleaning, close the brush plate motor first, and then close the water absorption motor;
  11. Raise the brush plate and water absorption rack to discharge the sewage; If you have finished the day's work, please carry out the machine as required
- Cleaning and maintenance;
12. Drive the machine to the parking place.



### **4.0 Daily operation and maintenance**

Homework preparation:

- 1) Select the appropriate detergent and detergent concentration according to the polluted state of the ground;

Most of us only need two cups of cleaning fluid from a one-time water cup (Disposable cups are commonly used) as shown in the picture on the right;

In order to protect the environment, please try to reduce the amount of detergent! Use a neutral, low-foam cleaner! When using cleaner, use defoaming agent at the same time, in order to eliminate the foam of sewage tank, extend the service life of water absorption motor!

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2) Add detergent to the water injection port before starting to fill the clean water tank. If you are using a water pipe to get water from the tap, you can insert the water pipe directly into the side of the machine. But you can pay attention to the water level, in case the cleaning fluid overflow!

Start homework:

1. In the area to be cleaned, the ground should be cleaned first to remove large debris and dust. Make sure that the ground is free of dirt, stones, paper scraps and other sundries before cleaning, which can improve your work efficiency and protect the machine Great benefits;

2. Start the power switch lock and the indicator light of power level is on. Check the battery level and confirm that the power level is sufficient before cleaning. Charge the battery if the battery is low;

3. Put the forward and backward switch into the forward gear.

4. Start brush plate motor, water suction motor and button switch in sequence;

5. Adjust the flow of clean water (detergent) according to the situation of washing the ground, move up and down to adjust the amount of water, adjust the handle and control the water flow; It can both clean the floor and reduce the wear and tear of clean water (detergent).

6, start the switch, brush motor, solenoid valve open, the machine starts to work

Note: The adjustment of water absorption strip will directly affect the water absorption effect of suction strip. It is necessary to keep the suction strip and the ground attached evenly. After the strip is worn out, the adjustable 10000 direction wheel knob will be used to keep the suction strip and the ground in an appropriate position.

7 as a result of the uneven ground, sometimes although after cleaning, if there is still water, brush plate can be raised, start water absorption electricity

Machine, push the washing machine, in the water area, repeated, multiple absorption. The

ground has deep grooves, which will affect the machine

Water absorption efficiency can only be separately treated

8. Possible problems of water absorption gripper regulation

When you feel in the process of using water suction

mechanical machine suddenly abnormal, water

suction pick can not absorb water or water

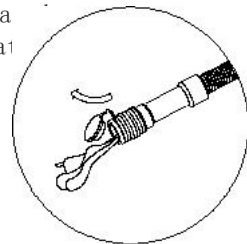
suction machine

If the voice is normal and the absorbent steak

cannot absorb water, you should immediately

stop the operation for inspection;

(1) If the water level has reached the highest position (lift to cut off the wind path), you will discharge sewage;



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Method: Remove the sewage pipe from the pipe clamp in an appropriate place, open the pipe cover, and drain the sewage into the sewer

And wash the sewage tank. (See picture on the right)

(2) If the water level in the sewage tank is not high, and there is no excessive foam, please check the connection between the suction scraper and the hose, it is likely to be blocked by sundry here, after the removal can be restored to normal;

If the water level in the sewage tank is not high, but there is a large amount of foam, it is possible that your cleaning liquid added too much or you use the cleaning liquid is a high bubble cleaning liquid, to add an appropriate amount in the sewage tank

After defoaming agent can be used normally;

(4) If the above three cases are not, please pull out the suction pull on the straw, open the suction machine, try the air inlet suction is normal if you feel suction is small, check the suction pull connection pipe whether there is a blockage.

9. Replacement of brush plate:

(1) Installing the brush plate: put the brush plate of the device under the brush plate cover (if using the needle plate, please put the brush pad device on the needle first Put it on the plate), put down the brush plate pedal so that the brush head and the brush plate bayonet are basically aligned, and press down the control surface at this time Brush plate motor start button, the brush plate will be installed automatically with the rotation of the motor, and then you can start the operation.

Manual installation is also available. Manual installation is recommended for employees who are not skilled in operation.

(2) Dismount the brush plate: after you finish the work, raise the brush plate first, close the switch of the brush plate, the motor stops rotating the brush plate by hand, Remove the brush plate.

10. Battery replacement method:

Cut off all button switches, turn over the sewage tank;

(2) Loosen the clamp on the battery, remove the battery connection, take out and replace the battery separately; (Figure below)

11. Maintenance of water absorption steak:

Water absorption pick is an important part of the washing machine, in the process of water absorption because of the friction of the strip and the ground will make it

Wear, when the effect of water absorption is not good, the following inspection should be made:

Whether there is foreign matter in the rubber scraper;

(Prepare a towel and wipe the stained tape at any time.)

(2) Whether there is debris blockage at the connection between suction and hose;

(Remove the connecting pipe orifice or remove the suction scraper to clear the blockage)

(3) Whether the Angle between the scraper and the ground is appropriate, can be adjusted

by water absorption gripper wheel.

(4) check the wear condition of the scraper edge, if the wear is serious, and through adjustment has been unable to recover, the scraper glue

If the other side is worn out, it can only be replaced with a new strip.

The normal configuration is the ordinary rubber strip. If you are using in the environment with heavy oil, please purchase the special oil-resistant rubber strip.

12. Work at the end of each day:

(1) Clean the outside of the cleaning machine with dry and wet cloth;

(2) the sewage tank in the sewage empty, and clean;

(3) Lift the brush plate and water absorption rack, and put the floor washer on all sides without flammable gases, liquids and chemicals.

No open fire, dry and ventilated, flat environment, placed or charged;

(4) If the long-term stop use should also be regularly charged, to protect the battery life, open the cover air drying, in the washing machine

Cover the top with dustproof cloth for storage.



# Inspection Certificate

Number: XXXXXXXXXX

Model		Motor		Accessories	
Power cable		Switch		Shell	
Suction		Control		Fuselage	
Function		Manual		Package	



# Warranty Card

Number: XXXXXXXXXX

Name		Tell	
Mailing address			
Purchase time		Bill number	
Product number		Fuselage number	
Replacement parts		Date	
Fault description:			

## Warranty conditions:

1. Within the date of purchase, the motor is guaranteed for one year (if it is more than 7 days from the date of purchase, no replacement, only warranty).
2. Before using the equipment, you must understand the instructions and safety instructions.
3. During the warranty period, the artificial damage of warranty accessories will not be guaranteed.
4. During the warranty period, users who do not follow the operation instructions or dismantle and repair by themselves will not be guaranteed. (if repair is needed, the cost of production will be charged)
5. ~~The buyer shall take the invoice to the place designated by the seller for repair, or send the machine back to our company for repair. (return freight, insurance paid by yourself)~~