



# M30 Floor Scrubber Instruction Manual



We explore safer, higher-end and more user-friendly cleaning equipment through technical advantage and idea innovation.



# Preface

This instruction manual contains all the information that you need to use and maintain the machine. Please read it carefully before getting started.

This instruction manual is an important part of the product and should be kept together with the machine.

In order to ensure your safety, the following instructions must be followed when operating the machine and performing maintenance:

- Do NOT use the machine after drinking or taking medicine.
- Turn off the machine before any maintenance or repair.
- The machine can only be used by trained and competent personnel; children and disabled people are forbidden to use it.
- Keep the batteries away from sparks, flame and smoke.
- Do NOT use the machine in places with flammable or explosive liquids, gases and vapor.
- When operating the machine, do NOT wear loose clothing, and keep you body away from the moving parts of the machine.
- Do NOT smoke when charging the batteries.
- In the event of a fire, use a powder extinguisher instead of water.
- Attention must also be paid when the machine is about to be scrapped. Since some harmful substances have met the standards, they should be sent to a specific service center for treatment.

If you have any question, complaint or suggestion, please feel free to contact us and we will be at your service with all our knowledge and enthusiasm.

We wish you a pleasant experience with our product!

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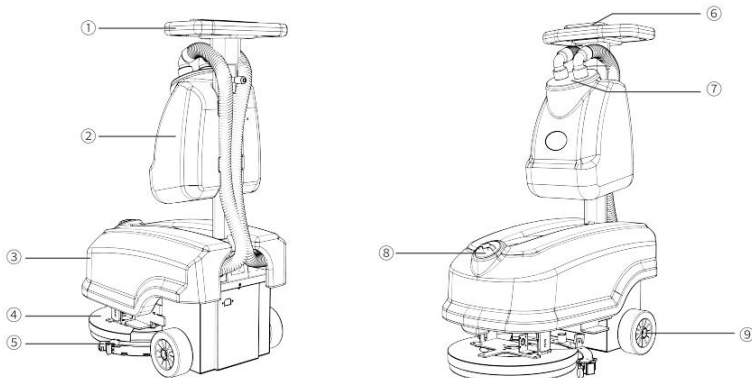
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## Chapter 1 General description

### 1.1 Suitable scenes

This product can be used in multiple scenes such as restaurants, schools, hospitals, factories, supermarkets and office buildings and has good cleaning effects on floors of epoxy, PVC, terrazzo, ceramic tile, wood and rubber. The user can choose between various kinds of brush plates to suit different types of floors so as to maximize the cleaning efficiency.

### 1.2 Overview of the product



- |               |                    |                     |                     |                      |
|---------------|--------------------|---------------------|---------------------|----------------------|
| ① Handrail    | ③ Clean water tank | ⑤ Squeegee          | ⑦ Sewage tank cover | ⑨ Anti-slippery tire |
| ② Sewage tank | ④ Brush plate      | ⑥ Controlling panel | ⑧ Water inlet       |                      |

### 1.3 Technical parameters

Category	Parameter	Category	Parameter
Battery capacity	24 V/32 Ah	Working efficiency	1,350 m <sup>2</sup> /h
Suction motor	400 W	Total weight	75 kg
Brush plate motor	300 W	Endurance time	1-2 h
Grade ability	8%	Clean water tank capacity	10 L
Cleaning width	350 mm	Sewage tank capacity	15 L
Squeegee width	450 mm	Product size	700 * 450 * 1,050 (mm)

## Chapter 2 Safety guidance

It is the user's obligation to read this manual carefully before using the machine. Detailed instructions on the operation and maintenance of the machine are presented in this manual and should be strictly followed to prevent accidents. The original manufacturer will NOT be responsible for any injury and loss caused due to the user's improper operation.

### 2.1 Cautions

The operator must be well trained before using the machine, or accidents may take place and injury or loss will be caused.

- To avoid fire accidents, the machine can only be used to clean non-explosion-proof ground.
- Do NOT use the machine if it is not well assembled, or accidents may take place and injury or loss will be caused. Before operating the machine, check whether it is complete and well assembled.
- Any maintenance and repair must be realized by professional personnel.
- Make sure that the power is disconnected before maintaining or repairing the machine.

### 2.2 Operation instructions

- Check the polarities of the batteries repeatedly before wiring them, as wrong connection will cause damage to all the electric components of the machine and must be prevented.
- Use chargers accompanying the batteries, or damage and even explosion will be produced.
- Maintenance and repair of the machine must be realized by a professional technician, or accidents and economic loss are likely to be caused.
- Do NOT expose the electric components of the machine to water or damp environments, or they may be short-circuited and unable to work.
- The charging room must be well ventilated. When charging the batteries, use an E-core power cord and power supply with a ground wire. In order to minimize the odds of electric shocks, please use a residual-current circuit breaker (RCCB).

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- It is strictly forbidden to put any objects on the batteries.
  - When washing the machine, do NOT let any water into the suction motor.
  - Pay special attention to the alerting signals on the surface of the machine.
  - Do NOT use the machine on slopes and the tough ground. Do NOT be seated on the machine. Keep any part of your body from the moving parts of the machine.
  - Be cautious when the machine is walking along edges. Pay attention to the space between the anti-collision wheels and the wall. Do NOT move the machine over small obstacles.

### 2.3 Safety instructions

- Since the machine is heavy and contains fragile components, special attention must be paid if it needs to be transported. When transporting the machine, take out the batteries first, and lift the machine by the metal bracket on its bottom. Do NOT put the focus on the machine body.
- Do NOT store or operate the machine (as well as the batteries) in places with flammable or explosive gases and liquids.

### 2.4 Safety requirements for the batteries

- The batteries must NOT be in a low voltage state; charge the batteries as soon as possible when the voltage is below 42 V;
- To avoid electric leakage, keep the batteries dry and clean;
- Do NOT put metallic objects (such as tools) on the batteries to prevent them from being short-circuited and burned;
- The charging room should be well ventilated;
- When the key switch is in the position “ON”, do NOT install or remove the batteries;
- Before installing or removing the batteries, disconnect first the negative wire (-) and then the positive wire (+). When rewiring, pay special attention to the polarity of the batteries, as wrong connection would probably damage electrical components;
- Avoid direct contact between the positive and the negative electrodes, because it would cause a large current of short circuit, high heat or even a fire.



## Chapter 3 Routine maintenance and replacement of damaged components

### 3.1 Preparation

- Choose the appropriate detergent as well as the most suitable concentration. Normally two glasses of detergent will be sufficient (please reduce the amount of detergent used to protect the environment). Defoamer should also be used to eliminate foam in the sewage tank and extend the service life of the suction motor.
- Add detergent from the front water inlet first, and then add clean water.
- If you need to use tap water, you can insert the tap water pipe into the water inlet on the side of the machine. Pay attention to the water level so as to avoid overflows.

### 3.2 Starting the work

- Before starting the work, we recommend that you sweep the ground manually to remove large sundries and make sure that there is no block of soil or dust, stone pieces and paper scraps. This will help boost your working efficiency and protect the machine.
- Turn on the switch and then the current voltage of the batteries will be displayed. If there is no sufficient power, charge the batteries immediately before using the machine.

### 3.3 During the work

#### Alert!

Charge the batteries immediately if there is no sufficient power!

- Turn the forward/backward button to the forward gear and turn on the brush plate motor and the suction motor. Use the water amount adjusting handle to control the the amount of water and detergent.
- Turn on the brush plate motor, open the electromagnetic valve to start the work.

- If there is accumulated water on the ground after work, you can lift the brush plate, turn on the suction motor and then move the machine forward and backward repeatedly in the working area until the water is removed. If there are deep grooves on the ground, the accumulated water cannot be removed by the machine and can only be dealt with in other ways.



Note:

When the suction motor is abnormal during the work or the squeegee cannot work normally, stop the machine immediately and do the following checks.

- Check whether the sewage tank is filled. In this case, discharge the sewage tank immediately. If the sewage tank is not filled, check whether the joint part of the squeegee is blocked, and remove the blockage immediately if this is the case.
- If there is a great amount of foam in the sewage tank, add a certain amount of defoamer to the sewage tank.

### 3.4 Replacement of the brush plate

- Put the brush plate to be installed under the brush plate cover and make sure that its head is aligned with the bayonet. Press the brush plate motor button and the plate will be installed automatically with the rotation of the motor. The brush plate can also be installed manually.
- For inexperienced personnel, it is recommended to install the brush plate manually.

### 3.5 Removal of the batteries

- Turn off all the buttons.
- Open the bayonet of the batteries, remove the battery cords and take out the batteries.

### 3.6 Replacement and maintenance of the squeegee

The squeegee is an important part of the machine and will become gradually worn due to its friction with the ground. When the water suction efficiency is reduced, do the following checks.

- Check whether there are foreign objects in the plastic scraper;
- Check whether the joint of the squeegee and the hose is blocked;
- Check whether the angle between the scraper and the ground is appropriate (the angle can be adjusted through the universal wheels of the squeegee);
- Check whether the squeegee is seriously worn;
- Both sides of the squeegee can be used for water suction; if both sides are seriously worn, the squeegee should be replaced.
- If the machine is used in a heavily oily environment, please purchase the specific oil-resistant squeegee.

### 3.7 After the cleaning

- Discharge the sewage tank and wipe the surface of the machine with a dry cloth.
- Lift the brush plate and the squeegee.
- Store the machine in a dry indoor place with no flame, chemical substances and flammable gases or liquids.

#### Alert!

If the machine is not to be used within a long period of time, charge the batteries, disconnect the battery cord and cover the machine with a cloth.

## Chapter 4 After-sale services

### 4.1 General description

- Seven-day guaranteed return, fifteen-day guaranteed replacement, one-year warranty for the whole machine, 6-month warranty for damaged parts, and no warranty for consumables (calculated from the next day after receiving the machine).
- The delivery receipt and purchase invoice are certificates for warranty and must be kept properly.

### 4.2 Contents of warranty

Category	Contents	Warranty period
	The entire machine	1 year
Damaged parts	Fuses, universal wheels, electromagnetic valve, flange buckles, filter	6 months
Consumables	Brush plate, scouring pad, needle plate, sealing strip	No warranty

### 6.3 Cases not covered in the warranty

- The operator fails to perform maintenance according to the instruction manual, resulting in damage or failure.
- The surface and/or the structure of the machine are obviously damaged due to improper operation.
- Disassembly or modification not approved by the original manufacturer.
- Damage due to weather or force majeure.
- The warranty is expired or the machine has been used for more than 1,500 hours.

## Warranty Card

用户名 User's name		联系电话 Tel	
通讯地址 Address		票据号 Bill No.	
购买时间 Date of purchase		机身编号 Serial number	
产品型号 Type of product		日期 Date	
更换配件： Accessories to be replaced:			
故障描述： Fault description:			



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