





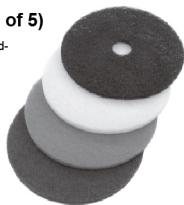
Assembly Instructions	Instrucciones de Ensamblaje	Directives d'assemblage
Customer Service US: 1-800-645-2986	Servicio de atención al Cliente México: 01.800.681.6940	Service à la clientèle Canada: 888-645-2986



**Battery Auto Floor Scrubber 13" Cleaning Path  
Model #: 641751**

TECHNICAL SPECIFICATIONS	
Cleaning Width	13"
Squeegee Width	17.7"
Working Capacity	5240 sq.ft./hr.
Pressure on the Brushes	66 lbs.
Brush RPM	120
Brush Motor	DC24V/250W
Vacuum Motor	DC24V/250W
Solution Tank	2.6 Gallon
Recovery Tank	4 Gallon
Machine Dimensions (excluding squeegee)	25.2"L x 18.1"W x 43.3"H

**ORDER YOUR CLEANING CHEMICALS & PADS**  
Visit [www.globalindustrial.com](http://www.globalindustrial.com) or call 1-800-645-1232

CLEANING CHEMICALS				PADS (Case of 5)	
					
Floor Cleaner Model 640404 (Case of 4)	Floor Stripper Model 640405 (Case of 6)	Multi Purpose Cleaner/Degreaser Model 640407 (Case of 4)	Heavy-Duty Cleaner/Degreaser Model 640406 (Case of 4)		

## IMPORTANT INSTRUCTIONS

**READ THIS MANUAL PRIOR TO SETUP AND OPERATION.** For additional questions or concerns, contact Global Industrial Customer Service at 1-800-645-2986 or visit [www.globalindustrial.com](http://www.globalindustrial.com). Save this manual for future reference.

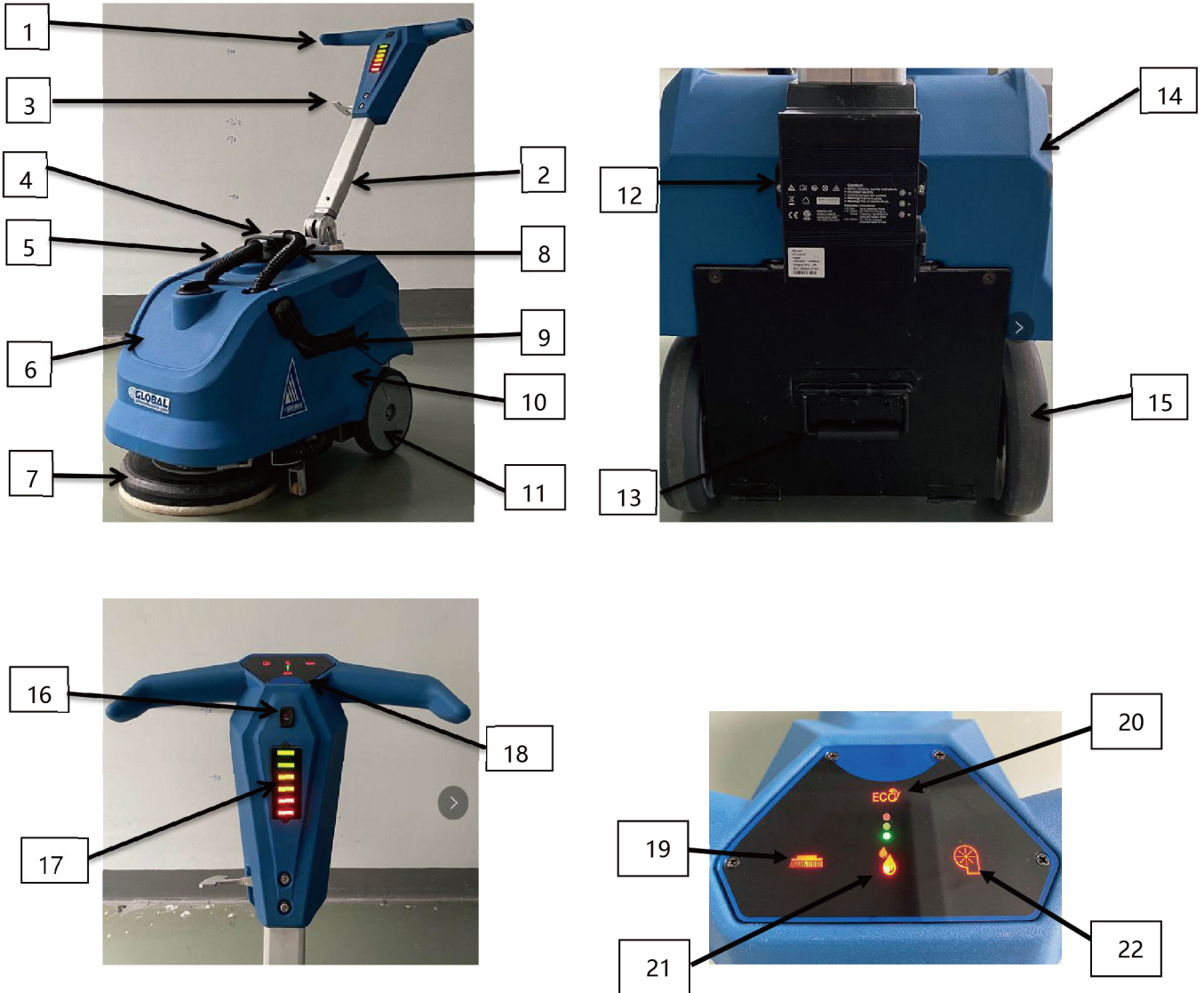
**WARNING - To reduce the risk of fire, electrical shock, and/or injury/damage to persons or property:**

- DO NOT operate the machine unless trained and/or authorized.
- Flammable materials can cause an explosion or fire. DO NOT use flammable materials in the tank or as cleaning agents for the machine.
- Flammable materials or reactive metals can cause an explosion or fire. DO NOT use this scrubber to clean up flammable or combustible spills.
- Always check the surroundings when using this machine.
- This machine is for commercial indoor use only.
- Extreme caution and supervision is necessary when used near children or unqualified personnel.
- Conditions of use: Ambient room temperature between 32°F and 104°F (0°C and 40°C) with relative humidity between 30% and 95%.
- Do not place objects on the unit or allow objects to obstruct the inlet or outlet openings. Do not operate in close proximity to walls, curtains, etc.
- Do not use acid solutions, which may damage the machine or harm the operator.
- Always turn off and unplug the machine prior to assembling, performing routine maintenance, or when not in use.
- The use of attachments or accessories not recommended or sold by Global Industrial may cause personal injury and/or property damage.
- DO NOT attempt to fix the machine yourself; all repairs must be made by authorized personnel.
- DO NOT modify the machine.
- Avoid moving parts. Do not wear loose fitting clothing while using/servicing the machine.
- Do not put any flammable materials into solution tank. This can cause an explosion or a fire. Only use approved cleaning chemicals – contact Global Industrial (1-800-645-1232) for recommendations on proper cleaning solutions.
- Empty the solution and recovery tank before storing the machine.
- Store machine indoors only.
- DO NOT use the machine on surfaces with an incline/decline greater than the number shown on the product plate.

**READ AND SAVE THESE INSTRUCTIONS**

# Battery Auto Floor Scrubber

## MACHINE COMPONENTS



- |                          |                       |                                    |
|--------------------------|-----------------------|------------------------------------|
| 1) Handle                | 9) Drainage pipe      | 17) Electricity display meter      |
| 2) Putter                | 10) Solution tank     | 18) Control panel                  |
| 3) Handle angle adjuster | 11) Squeegee assembly | 19) Brush button                   |
| 4) Suction body          | 12) Charger           | 20) ECO button                     |
| 5) Suction hose          | 13) Lifting handle    | 21) Water volume adjustment button |
| 6) Threaded cover        | 14) Recovery tank     | 22) Suction button                 |
| 7) Brush/Pad holder      | 15) Wheels            |                                    |
| 8) Exhaust pipe          | 16) Power switch      |                                    |

# Battery Auto Floor Scrubber

## **⚠ WARNING**

### **⚠ WARNING**

Batteries emit hydrogen gas and an explosion or fire can result. Keep sparks and fire away from batteries at all times. When charging the machine, keep the battery compartment left open.

### **⚠ WARNING**

DO NOT operate machine unless you have read and understand this manual.

### **⚠ WARNING**

DO NOT use your fingers to wipe or remove debris from the blades, as injury may occur.

### **⚠ WARNING**

Always empty the recovery tank before filling the solution tank.

### **⚠ WARNING**

Always empty and clean the recovery tank after using the machine.

### **⚠ WARNING**

Before performing any maintenance on the machine, be sure that the power is turned off.

### **⚠ WARNING**

Repairs are to be completed by authorized personnel/-service centers only.

### **⚠ WARNING**

DO NOT put any flammable materials into solution tank or as a cleaning agent. This can cause an explosion or a fire. Only use approved cleaning chemicals; contact Global Industrial

### **⚠ WARNING**

(1-800-645-1232) for recommendations on proper Cleaning Solutions.

### **⚠ WARNING**

Foam must not enter the float shut-off screen, or damage can occur to the vacuum motor. Note: Foam will not activate the machine's float shut-off device.

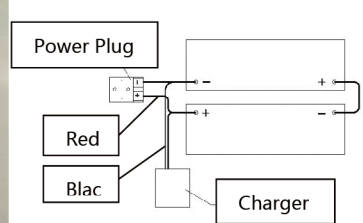
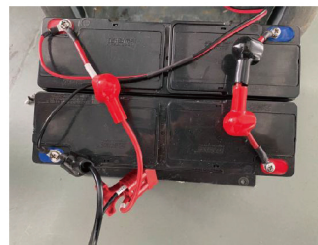
## **PACKAGE CONTENTS:**

- 1) Scrubber Machine
- 2) Brush /Pad Driver
- 3) 2 Batteries
- 4) Battery Charger

## **Before setting or operating the machine:**

- 1) Check if the battery cable is installed correctly
- 2) Check whether the brush is properly installed
- 3) Be sure that the level surface is able to support the weight of the machine
- 4) Make sure the recovery tank lid is closed before use

## **CONNECTING THE BATTERIES**



1. Connect the battery connector cable and the charging connector cable according to the wiring diagram.
2. Connect the power plug and the battery plug.

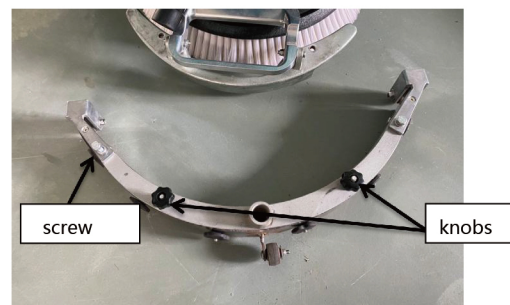
## **BATTERY CHARGING**



Connect the charger to the power supply.

- Red ON or Flashing = Fault
- Yellow Flashing = No battery connected
- Yellow on = Normal charging
- Green on = Fully charged

## **SQUEEGEE SETUP**



- 1) Remove the knobs and screw on the squeegee assembly.
- 2) Align the with the holes on the squeegee body and tighten knobs and screw.

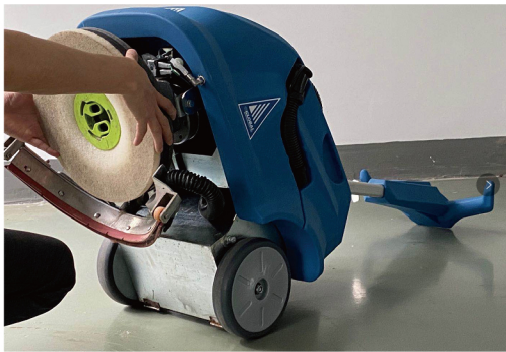


# Battery Auto Floor Scrubber



3) Connect the vacuum hose to the vacuum hole on the squeegee assembly.

## INSTALL AND UNLOADING OF THE BRUSH /PAD DRIVER



1. Disconnect the power.
2. Place the machine so underside is accessible, (see above image).
3. Locate the three fasteners on the brush/pad driver and align to the corresponding holes on the machine head.
4. Turn brush/pad driver clockwise to attach the plate.
5. Carefully lower machine back to standard position so that the machine head is flat on the ground.
6. When removing the brush /pad driver, follow the same steps and turn brush/pad driver counterclockwise to remove.

## SOLUTION TANK



Remove the solution tank cap and fill with clean water for regular cleaning surfaces. For deep and heavily dirty surfaces, contact Global Industrial (1-800-645-1232) for recommendations on proper cleaning solutions.

## OPERATION INSTRUCTION



Turn the power switch to the RESET position



Adjust the angle of the handle as needed, using the angle adjuster switch.



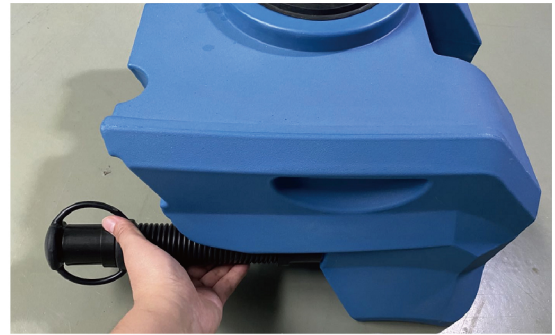
1. Press the brush icon, the icon color will turn green, and the brush function will be enabled.
2. Press the water volume icon, the icon color will turn green, and the water outlet function will be turned on. Press the water volume icon repeatedly to adjust the water volume.
3. Press the vacuum motor icon, the icon color will turn green, and the vacuum will turn on.
4. To access energy saving mode, press the ECO icon.
5. After use, press each icon again to turn the functions off; icon colors will turn red.



# Battery Auto Floor Scrubber



1. To pull the machine backwards, press the handle down to lift the machine head off the floor. At this time, the squeegee assembly will rotate to the front of the machine head.
2. Lower the machine head, and the machine can be pulled backwards.



- Remove the recovery tank, empty and rinse with clean water.
- Remove the brush and squeegee assembly and rinse with clean water.

## TRANSFERRING THE MACHINE



1. Fully lower the machine's handle using the angle adjustment switch.
2. Using two people, grasp the lifting handle at the rear of the machine at one end; and the machine's handle at the other end.
3. Carefully lift the machine.

## MONTHLY MAINTENANCE

- Flush out solution tank with clean water.
- Motors should be checked every 250 hours. Turn both the pad/brush motor and the vacuum motor on/off to ensure the motors are working properly.

## STORING THE MACHINE

1. Store the machine in a dry indoor environment.
2. Do not store in extreme heat or freezing temperatures.
3. Make sure all the solution tank and recovery tank are emptied completely and clean.

## SQUEEGEE RUBBER BLADE REPLACEMENT

- Remove the squeegee assembly from the unit (refer to squeegee assembly installation)



- Loosen squeegee nuts and remove the squeegee blade



- Install a new blade and reassemble the squeegee assembly

## MAINTENANCE

### WARNING

Before performing any maintenance on the machine, be sure that the power is turned off, or the batteries are disconnected.

### Daily Maintenance

- Wipe the entire machine with a clean/damp cloth.



- Empty the solution tank by opening the solution tank drain pipe.

# Battery Auto Floor Scrubber

## TROUBLE SHOOTING

Problem	Situation	Solution
No Power	The power is disconnected	- Connect the battery
Does not operate	No power. Vacuum motor does not work . Brush motor does not work.	Charge the battery if it is low; or check to see if any of the battery cables are disconnected. Check the vacuum motor and the circuit, including motor plug and electrical relay. Check brush motor and the circuit, including the motor plug and electrical relay.
Little or no water flow	- Water volume icon is not lit. - The filter is clogged. - Solution tank is empty	- Press the water volume icon. - Unclog or replace filter. - Fill solution tank.
Poor water suction	-Squeegee hose or suction opening is clogged -Squeegee blades is worn or torn - Squeegee or suction assembly is not installed properly - Suction hose is worn or loosen - Suction hose is clogged -Drain hose cover is loosen - Recovery tank lid is uncovered -Recovery tank is full -Vacuum motor inlet is clogged - The exhaust pipe is loose or falling off	- Clean the squeegee or suction opening -Replace the squeegee blade -Make sure the squeegee or suction assembly is installed properly -Replace the suction hose or reinstall and fasten the suction hose. - Check the hose and remove debris - Tighten the cover - Close and seal the recovery tank lid. -Empty recovery tank - Check the vacuum motor opening, remove the debris and clean the filter cotton - Reinsert the exhaust pipe
Fault light prompt	One long and one short One long and two short One long and three short One long and four short One long and five short One long and six short Two long and two short Two long and three short Two long and four short Two long and five short Two long and six short Three long and two short Three long and three short Three long and four short Three long and five short Three long and six short Four long and two short Four long and three short Four long and four short Four long and five short Four long and six short Four long and seven short Four long and eight short Four long and nine short	Panel and controller connection failure Current sensor failure Precharge failure Solenoid valve opening failure Solenoid valve disconnection failure Open battery fault EEPROM fault Main relay disconnection fault Main relay failure Main relay pull-in failure Overvoltage fault Undervoltage fault Overheat fault Brush motor overload fault Vacuum motor overload failure Open circuit fault of brush motor Vacuum motor open circuit failure Short circuit fault of brush motor Short circuit fault of vacuum motor Parameter modification failure DCF file corruption failure st unburned fuse failure CANPDO communication failure Serious undervoltage fault