

**Assembly Instructions**

Customer Service  
US: 1-800-645-2986

**Instrucciones de Ensamblaje**

Servicio de atención al Cliente  
México: 01.800.681.6940

**Directives d'assemblage**

Service à la clientèle  
Canada: 888-645-2986



**AUTO RIDE-ON SCRUBBER**  
**Model #: 641245**

**TECHNICAL Specification**

Clean width	34"
Squeegee Width	47"
Work capacity	60170sq.ft/hr
Pressure on the brushes	111lbs
Brush RPM	200
Brush motor	36V/500W *2
Suction motor	36V/730W
Traction motor	36V/800W
Drive speed	0-4 miles/h
Solution tank	39.6gallon
Recovery tank	44.9 gallon
Machine dimensions (Excluding squeegee)	62" x 34 " x 49.6 "(L x W x H)
Battery	3 x 170ah
Battery weight	114.8lb x 3
Machine weight	530 lb

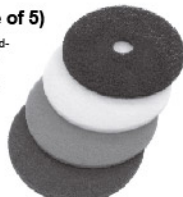
**ORDER YOUR CLEANING CHEMICALS & PADS**  
Visit [www.globalindustrial.com](http://www.globalindustrial.com) or call 1-800-645-1232

**CLEANING CHEMICALS**



**PADS (Case of 5)**

17" Scrubbing Pad-  
Model 281164GN  
17" Buffing Pad-  
Model 281164RD



**IMPORTANT INSTRUCTIONS**

**PLEASE READ THE INSTRUCTIONS CAREFULLY PRIOR TO USING THIS PRODUCT.**

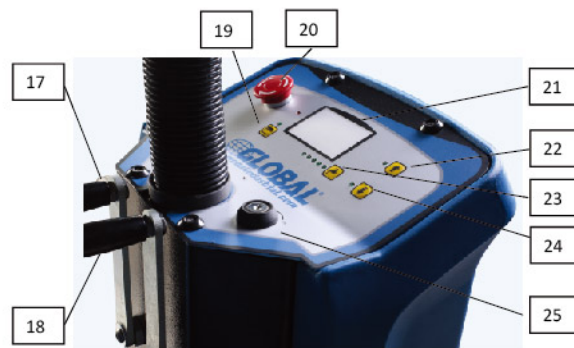
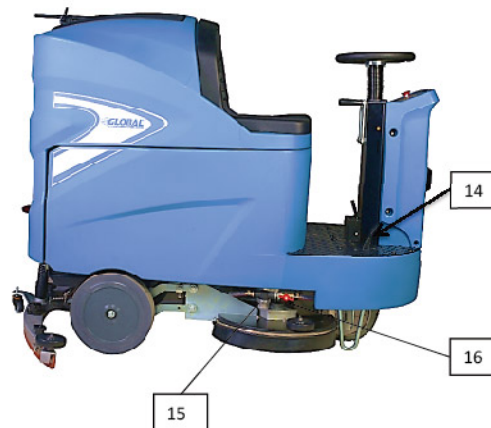
**WARNING** - to reduce the risk of fire, electrical shock, and/or injury/damage to persons or property:

- Do not operate the machine unless trained and authorized
- Flammable materials can cause an explosion or fire. DO NOT use flammable materials in tank or as cleaning agent in machine.
- Flammable materials or reactive metals can cause explosion or fire. DO NOT use to clean up flammable or combustible spills
- This machine is intended for commercial use. It is constructed for use in an indoor environment and is not intended for any other use.
- Extreme caution and supervision is necessary when used near children or unqualified personnel
- Conditions of use: room temperature between 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 is not recommended or sold by the Global Industrial may cause personal injury and/or property damage.
- DO NOT attempt to fix the machine by yourself. All repairs must be made by an 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
- This machine shall be stored indoors only
- Do not use the machine on surfaces with an inclination greater than the one shown on the plate.

**READ AND SAVE THESE INSTRUCTIONS**

# 32" Auto Floor Scrubber

## MACHINE COMPONENTS



- 1) Seat
- 2) Recovery tank cover
- 3) Steering wheel
- 4) Brake pedal
- 5) Solution tank
- 6) Drive wheel
- 7) Recovery tank
- 8) Solution tank cap
- 9) water level indicator

- 10) Recovery tank hose
- 11) Charging connector
- 12) Squeegee Assembly
- 13) Brush head assembly
- 14) Drive pedal
- 15) Water filter
- 16) Water flow valve
- 17) Squeegee lifting lever
- 18) Brush lifting lever

- 19) Brush coupling/uncoupling
- 20) Emergency stop button
- 21) LCD display
- 22) Forward button
- 23) Water adjustment button
- 24) Reverse button
- 25) key switch

# 32" 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 time. 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**

Flammable materials can cause an explosion or fire. DO NOT use flammable materials in tanks as cleaning agent.

### **⚠ WARNING**

Always empty Recovery tank before filling solution tank.

### **⚠ WARNING**

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

### **⚠ WARNING**

Do not fill the solution tank before emptying the recovery tank.

### **⚠ 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. 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.

### **⚠ WARNING**

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

## **PACKAGE CONTENTS:**

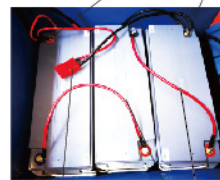
- 1) Machine
- 2) Squeegee Assembly
- 3) Pad Driver
- 4) Battery
- 5) charger

## **Machine Set-up/Operation Prior to ach use**

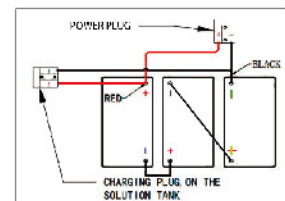
- 1) Be sure to connect the 24V battery
- 2) Check that squeegee assembly is properly installed
- 3) Check that Pad Driver is properly installed
- 4) The working surface is sufficient to support the weight of the machine
- 5) Always close Recovery Tank cover fully before use

## **CONNECTING THE BATTERIES**

Battery connector cable & Charging connector cable

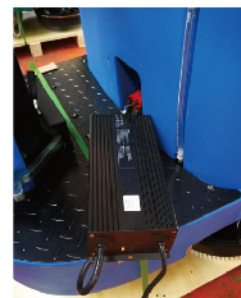


Battery plug Jumper cable



1. Connect the battery according to the wiring diagram
  2. Connect the power plug and the battery plug
- Attention : Charging plug is on the solution tank, under the seat

## **BATTERY CHARGING**



Charging plug

1. Connect the charging plug to the charger (power plug doesn't need to be disconnected from the battery plug);
  2. Connect the charger to the wall outlet.
- Red ON or Flashing = Fault
  - Yellow Flashing = No battery connected
  - Yellow on = Normal charging
  - Green on = Fully charged

### **⚠ WARNING**

- Use only approved chargers with the following specifications
  - Automatic shut off circuit
  - Deep cycle charging
  - Output current of 23 amps
  - Output voltage of 36 volts

### **⚠ CAUTION**

- For the best performance, keep batteries charged at all times. Do not let them sit in a discharged condition.



# 32" Auto Floor Scrubber

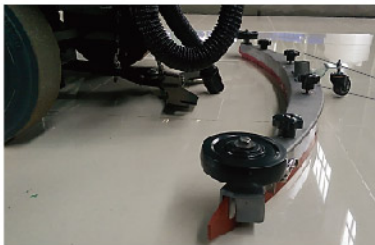
## ⚠ WARNING

- Do not place battery charger on wet surface or in a puddle when operating charger.

## ⚠ WARNING

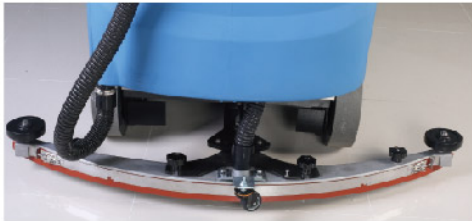
- Batteries are dangerous! Batteries emit hydrogen gas and an explosion or fire can result. Keep sparks and fire away from batteries at all time . When charging the machine, keep the battery compartment left open.

## SQUEEGEE INSTALLATION




Knobs

- Loosen the 2 knobs on the squeegee assembly.
- Connect the vacuum hose to the Vacuum hole in the squeegee assembly




- Align the knobs with the slots and tighten the knobs

## PAD DRIVER/BRUSH UNCOUPLING

1. Turn on the key switch , keep the brush/pad head assembly in the raised position,
2. Press Brush Coupling button  for 5 seconds, and the red LED will be on. The brush will start automatically removing the brush/pad driver
3. The red LED will go off after the brush/pad driver is removed.

## PAD DRIVER/BRUSH COUPLING

1. Place the brush/Pad driver under the head assembly
2. Touch the button  , the green LED will be on
3. Put down the brush lifting lever, it will start automatically installing the brush/pad driver
4. the green LED will off after brush/pad driver is installed
5. Lift the brush lifting lever

- Attention:  
If you do not successfully complete the installation of the brushes one -time, Please repeat the above actions in order.

RED ●

GREEN ●



## SOLUTION TANK



- Remove the solution tank cap and fill with clean water for regular cleaning surface. For deep and dirty surface, Contact Global Industrial (1-800-645-1232) for recommendations on proper Cleaning Solutions.
- Check water level indicator for water level

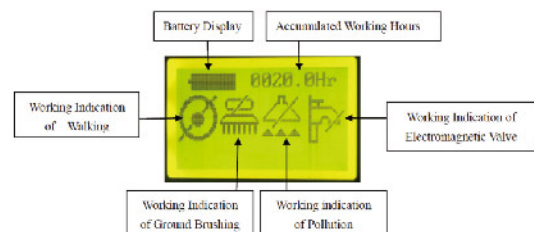


## INSTRUMENT PANEL ELEMENTS

- U: Emergency stop button
- V: Brush coupling/uncoupling button
- W: Water volume adjustment button
- X: Forward button
- Y: Backward button
- Z: Key Switch



## DISPLAY





## ⚠ WARNING

- Always check the surroundings when using this machine



# 32" Auto Floor Scrubber

## OPERATION

**Traction Drive** (This machine is equipped with electronic traction control)


- Turn on the key switch .
- Machine moves forward when the forward button  is press and stepping down the drive pedal . The adjustment of the speed will depend how hard you press the pedal .
- Press the backward button  and step down the drive pedal, the machine will move backward. Adjust the speed by changing the pressure applied to the pedal .
- When the squeegee lifting lever is put down, the machine can only move forward but not backward..

### Brush Drive

- Press the forward  or backward button  , Put down the brush lifting lever; step down the drive pedal , the brush motors start working.




### Squeegee Drive

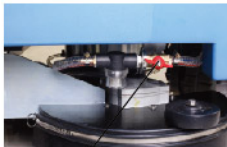
- Press the forward button  and Put down the Squeegee lifting lever , the suction motor will start working
- When the squeegee lifting lever is put down, the machine can only move forward but not backward.



- Lift the Squeegee lifting lever, the suction motor stops after delay for 15 seconds

### Adjustment of the water

- Press the water amount adjustment button  , the five indicator lights on the left side of the button will light up in turn from left to right, and the water amount increases in sequence. The solenoid valve is closed when there is no light turned on.



- You can also adjust the water flow with the ball valve
- When finished,
- Raise the head assembly from the floor by raising the brush head lifting lever and the brush motor will shut off .
- Raise the squeegee assembly by raising squeegee lifting lever, vacuum motor will shut off after 15 second delay
- Empty and clean the Recovery tank

## MAINTENANCE

### ⚠ WARNING

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

### ⚠ WARNING

Repairs are to be completed by authorized Service Centers only. Any repairs by unauthorized persons will void warranty.

### Daily maintenance

- Wipe the whole machine with clean/damp cloth
- Empty the solution tank by opening solution tank drain pipe
- Drain and rinse out recovery tank with clean water



- Clean the vacuum filter by removing the vacuum intake cap
- Remove the Pad Driver/Brush and Squeegee assembly and Clean with clean water
- Check the battery charge

## MONTHLY MAINTENANCE

- Flush out solution tank with clean water



- Remove the clear cap and the solution tank filter. Clean the filter with clean water

- Clean rubber skirt on the brush head assembly by removing the spring lock
- motors should be check every 250 hours. Turn on/ off both Pad/Brush and Vacuum motor to ensure The motors are working properly

## SQUEEGEE RUBBER BLADE REPLACEMENT

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





# 32" Auto Floor Scrubber

- Unlock the spring lock and slide out the blades
- Replace with new blade and re-assemble.

## BATTERY MAINTENANCE

- This machine use maintenance-free batteries: High performance, long life, no pollution, maintenance-free, safe and reliable.
- Always follow the battery charging directions as outlined in the BATTERY CHARGING section of this manual
  - Keep battery tops and terminals free from corrosion. A strong solution of baking soda and water is the best way to keep the batteries corrosion free. **DO NOT ALLOW THE BAKING SODA/WATER SOLUTION TO ENTER THE BATTERY CELLS.**
  - Use a wire brush with the baking soda solution to properly clean the battery posts and connections
  - Check battery connections for wear and loose terminals. Replace if necessary.

## ⚠ DISPOSAL

- Old batteries must be disposed of in compliance with the local specific regulations.
- Never dispose of old batteries as domestic waste!

## MACHINE STORAGE

- store the machine indoor in a dry location
- always store the machine with the squeegee and pad/driver raised off the floor
- Always drain the solution and recovery tank fully before storing, especially when storing in a cold location

## TROUBLE SHOOTING

Problem	Cause	Solution
No Power	-Unit not connect the power, battery not charged	- Connect the battery, charge battery
Little or no solution flow	-Water flow tap closed -Clogged solution tank filter -Empty solution tank	-open water flow tap -clean solution tank filter -fill the solution tank
Poor water pickup	-Squeegee clogged  -Squeegee blades worn -Squeegee not mounted correctly  -Vacuum hoses have a hole or are loose  -Vacuum hose may be clogged  - Drain hose stopper is loose - Recovery tank is opened  -Recovery tank is full - Float shut off is clogged  - Vacuum motor is loose	- Clean debris off squeegee with damp towel - Install new squeegee blades - Confirm that the squeegee assembly is securely fastened to the machine and not loose fitting - Check hose connections and make sure they are firm. Replace hose if damaged. - Check hose for debris and remove any clog. - Tighten drain plug. - Confirm the clear recovery tank lid is securely in place - Drain recovery tank - Remove float shut off from inside recovery tank and remove any debris - Tighten vac motor mounting screws. <b>DO NOT</b> overtighten or damage will occur.
error code	F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 F13 F14 F15 F16 F17 F18 F19 F20 F21 F22 F23 F24 F25 F26 F27 F28 F29 F30 F31 F32	Ems active Brush Error Vacuum Error Brush Open Vacuum Open Dirty Water Full Clean Water Empty Battery Low Battery Very Low Traction Error Traction SRO Brake Open Brake Error Valve Error Pump Error Valve Open Pump Open No Brush Error Traction Open Comm. Error Self-Test NG Over Temp EEPROM Error Battery High Tract Carbon M-Bru Carbon Blow Carbon Sit in Seat Beeper Open Beeper Error Bru Adj Err B Lim Sw Err