

ICE ROBOTICS

Auto  
Scrubber  
Operator Manual



i18B  
i18C





**PROTECT THE ENVIRONMENT**

Please dispose of packaging materials, old machine components such as batteries, hazardous fluids, including antifreeze and oil, in an environmentally safe way according to local waste disposal regulations.



Always remember to recycle.

ICE Company Limited  
XiangShi Road LiaoBu DongGuan GuangDong China  
Tel: 0769 - 81869000  
Fax:0769 - 81863000

Specifications and parts are subject to change without notice.

## READ OPERATOR MANUAL CAREFULLY!

**IMPORTANT:** To ensure full warranty protection, please fill out & return your warranty card.

Please fill out at time of installation for future reference.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Machine Options \_\_\_\_\_

Sales Rep. \_\_\_\_\_

Sales Rep. Phone No. \_\_\_\_\_

Customer ID Number \_\_\_\_\_

Installation Date \_\_\_\_\_

### HOW TO ORDER PARTS

Only use ICE Company supplied or equivalent parts. Parts and supplies may be ordered online, by phone, by fax or by mail.

1. Identify the machine model.
2. Identify the machine serial number from the data label.
3. Ensure the proper part number is used from the parts list.
4. Identify the part number and quantity.  
Do not order by page or reference numbers.
5. Provide your name, company name, customer ID number, billing and shipping address, phone number and purchase order number.

## TABLE OF CONTENTS

|   |              |
|---|--------------|
| <b>SAFETY PRECAUTIONS .....</b>               | <b>6-7</b>   |
| <b>MACHINE COMPONENTS.....</b>                | <b>8-10</b>  |
| Machine Components                            | 8-9          |
| Panel Components                              | 10           |
| i-Synergy™ Introduction                       | 10           |
| <b>MACHINE SETUP &amp; INSTALLATION .....</b> | <b>11-14</b> |
| Uncrating Machine                             | 11           |
| Installing batteries                          | 11           |
| Battery Charging                              | 12           |
| Mounting the Squeegee Assembly                | 13           |
| Filling the Solution Tank                     | 14           |
| <b>MACHINE OPERATION.....</b>                 | <b>15-16</b> |
| Pre-Operation Checks                          | 15           |
| Machine Operation                             | 15-16        |
| <b>WHILE OPERATING MACHINE.....</b>           | <b>17-18</b> |
| Circuit Breaker                               | 18           |
| Hour Meter                                    | 18           |
| <b>TANK DRAINING.....</b>                     | <b>19-20</b> |
| Draining the recovery Tank                    | 19           |
| Draining the solution Tank                    | 20           |
| <b>PREVENTATIVE MAINTENANCE.....</b>          | <b>21-2</b>  |
| Daily Maintenance                             | 21           |
| Monthly Maintenance                           | 22           |
| Machine Storage                               | 22           |
| <b>FAULT CODE &amp; SOLUTION.....</b>         | <b>23-25</b> |
| <b>BASIC TROUBLESHOOTING.....</b>             | <b>26-27</b> |
| <b>TECHNICAL SPECIFICATION.....</b>           | <b>28</b>    |
| <b>WEAR AND TEAR PARTS LIST .....</b>         | <b>29</b>    |
| <b>CE APPROVAL .....</b>                      | <b>30</b>    |

## SAFETY PRECAUTIONS

i18B

This machine is intended for commercial use. It is designed exclusively to scrub hard floors in an indoor environment and is not constructed for any other use. Only use recommended accessories.

All operators should read, understand and exercise the following safety precautions:

**1. Do not operate machine:**

- Unless trained and authorized.
- Unless you have read and understood the operator's manual.
- In flammable or explosive areas.
- If not in proper operating condition.
- In outdoor areas and standing water.

**2. Before starting machine:**

- Make sure all safety devices are in place and operate properly.

**3. When using machine:**

- Go slow on inclines and slippery surfaces.
- Follow all safety guidelines.
- Report and fix any damage to machine prior to operating it.
- Never allow children to play on or around the machine.
- Do not operate on inclines that exceed 2%(3°).

**4. Before leaving or servicing machine:**

- Stop on level surface.
- Turn off machine.

**When servicing machine:**

**5. Before operating or servicing machine:**

- Read operator's manual thoroughly prior to operating or servicing this machine.
- Use manufacturer supplied or approved replacement parts.
- Secure machine with wheel blocks prior to jacking the machine up.
- Use approved jack or hoist to safely elevate the machine.
- Disconnect batteries prior to working on machine.
- Wear gloves when handling batteries or battery cables.
- Avoid any contact with battery acid.
- Avoid moving parts. Do not wear loose fitting clothing while servicing machine.



**WARNING:**

Batteries may emit hydrogen gas.

Explosion or fire can result from hydrogen gas.

Keep sparks and open flames away!

Keep battery compartment open when charging (except maintenance-free batteries).



**WARNING:**

Flammable materials can cause an explosion or fire.

Do not use flammable materials in tanks.



**WARNING:**

Flammable materials or reactive materials can cause explosion or fire.

Do not pick them up.

## SAFETY PRECAUTIONS

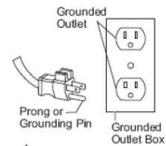
i18C

This scrubbing machine shall be grounded while in use to protect the operator from electric shock.

Grounding provides a path of least resistance for electric current. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug.

The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not remove the ground pin under any circumstances.

This machine is for use on a nominal 220-volt circuit and has a grounding plug that resembles the plug illustrated in Figure. Make sure that the machine is connected to an outlet having the same configuration as the plug. No adapter should be used with this machine.



This machine is intended for commercial use. It is constructed for use in an indoor environment and is not intended for any other use. Use only recommended accessories.

- 1. Do not operate machine:**
  - Unless trained and authorized.
  - Unless you have read and understood the operator's manual.
  - In flammable or explosive areas.
  - With a damaged cord or plug
  - With the use of extension cords.
  - If not in proper operating condition.
  - In outdoor areas and standing water.
- 2. Before starting machine:**
  - Make sure all safety devices are in place and operate properly.
- 3. When using machine:**
  - Do not run machine over cord.
  - Do not pull machine by cord or plug.
  - Do not pull cord around sharp edges or corners
  - Do not unplug by pulling on the cord.
  - Do not stretch cord.
  - Do not handle plug with wet hands.
  - Keep cord away from heated surfaces.
  - Report machine damage or fault operation immediately.
- 4. Before leaving or servicing machine:**
  - Turn off machine.
  - Unplug cord from outlet.

**When servicing machine:**

  - Unplug cord from outlet.
  - Use manufacturer supplied or approved replacement parts.
- 5.**
  - Unplug cord from outlet.
  - Use manufacturer supplied or approved replacement parts.

 **WARNING:**

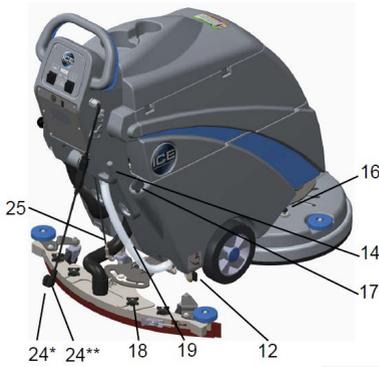
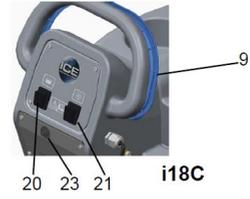
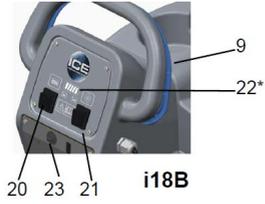
Carefully read and understand this manual before operating this machine. This machine must be grounded!

 **WARNING:**

To avoid electrical shock, please replace the power cord immediately if any damage is being detected. The replacement must be performed only by an authorized person or by our customer service center.

 **WARNING:**

Flammable materials can cause explosion or fire.  
Do not use flammable materials in tanks or pick them up.



## MACHINE COMPONENTS

### Machine Components

1. Brush Cover
2. Brush
3. Cover tank
4. Recovery tank
5. Solution tank
6. 8" Wheels
7. Squeegee
8. Control box
9. Trigger
10. Adjusting handle
11. Water filter
12. Ball valve
13. Squeegee lifting handle
14. Power cord honk
15. Brush/ Pad driving hub
16. Brush plunger
17. Plug of water filling port
18. Knob
19. Clear tube
20. Switch for brush motor
21. Switch for vacuum motor
- 22.\* Battery Monitor
23. Circuit breaker
- 24.\* Charger power cord
- 24.\*\* Power cord
25. Adjustable wheel

\* ONLY FOR i18B

\*\* ONLY FOR i18C

## MACHINE SET UP & INSTALLATION

### Unpack Machine

Be sure and check packing carton for any damage. Immediately report any damage to carrier. Be careful not to let machine vibrate while carrying, Check contents of package to ensure that the following items are included:

- Machine,
- Squeegee assembly.
- Charger cord
- Brush/ Pad Driver

Uncrate the wooden box, place the top board on the edge of pallet, lay it in the front of the machine.

### Battery Charging (only i18B)



#### **WARNING:**

**Fire or explosion hazard. Batteries may emit hydrogen gas. Keep sparks and open flame away. Keep battery compartment open when charging.**

Each machine was equipped with on-board charger and batteries, please use original parts only.

#### **NOTE:**

**Use only approved chargers with the following specifications:**

- Automatic shut off circuit.
- Deep cycle charging.
- Output current of 8-15 Amps.
- Output voltage of 24 volts.

#### **NOTE:**

**Frequently deep discharging will reduce the life of the batteries, charge the batteries when the red light is on.**

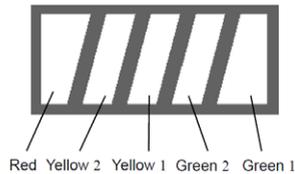


Figure 1

1. Place the machine in a well ventilated area.
2. Turn the machine off.
3. If charging wet (lead acid) batteries, check the fluid level before charging.
4. Connect the charger's AC power supply cord to a properly grounded receptacle.
5. The charger will automatically begin to charge and will automatically shut off once the batteries are fully charged.
6. Upon completion of charging, disconnect the AC power supply cord.

(See Fig. 1)

- Green lights on: full power.
- yellow lights on, green lights off : medium power.
- Red light on, other lights off: 20% power, the machine should be stopped and the batteries should be recharged.
- Red light flash: the batteries have already been discharged deeply.



**NOTE:**

The charging status can be seen through the lights behind the transparent panel:

**Yellow light on: Normal charging**

**Green light flash: 80% charged**

**Green light on: Fully charged, batteries ready for use.**

**Yellow lights flash: No batteries or incorrect wiring.**

## Installing Pad Driver Or Brush

1. Turn off machine.
2. Tilt the machine backwards, line up the driving hub with the hole of brush or pad driver, make sure the three blocks are fitted into the three slots of the drive hub.  
\*If a pad driver is being used, the appropriate pad should be attached to the pad driver first.
3. Push the plunger which on the brush cover to prevent the driving hub from rotating, then spin the brush/pad clockwise with your another hand till the clip clamp the block on the brush/pad.

## Installing the Squeegee

1. Loosen the two knobs (Machine components, #18) on the squeegee and slide the squeegee into the slots at the rear of the squeegee bracket. (The wheels on the squeegee point to the machine.)
  2. Tighten the knobs securely.
- (See Fig. 2 and 3)



Figure 2



Figure 3

## Filling the Solution Tank

1. The fill port is located at the rear of machine, pull the plug out of the hole.
2. Fill solution tank with water. (use a hose which link to a water faucet, water temperature should not exceed 50° C) The clear tube (Machine components, #19) in the back right of the machine has gallon markers to help determine the water level in the solution tank (Machine components, #5).

\*Depending on the dirty level of the ground, add the proper amount of detergent into the solution tank.

**WARNING:**

**Do not put any flammable materials into solution tank.**

**This can cause an explosion or a fire. Only use recommended cleaning chemicals. Contact your janitorial supply distributor for recommendations on proper chemicals.**



Figure 4

## MACHINE OPERATION



### WARNING:

Do not operate machine unless you have read and understand this manual.

1. Lower squeegee assembly to the floor by spin the squeegee lifting handle (Machine components, #13, see Fig. 5).
2. Turn brush motor switch (Machine components, #20) to "on" position. (See fig. 6)
3. Turn vacuum motor switch (Machine components, #21) to "on" position. (See fig. 7)
4. Rotate the ball valve (Machine components, #12) handle to vertical position. Solution will not begin to flow until the operating triggers (Machine components, #9) are pulled.
5. To begin scrubbing, pull on the blue operating trigger (Machine components, #9, see fig. 8), when this triggers is pulled, the pad driver will begin to spin and the solution will begin to flow.
6. Begin scrubbing by moving the machine forward
7. Adjust solution flow by adjusting the position of ball valve knob.



Figure 5



Figure 6



Figure 8



Figure 7

## WHILE OPERATING THE MACHINE

**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.

1. Occasionally open the cover tank (Machine components, #3) to see if there is any foam build-up. If excessive foam is found, add defoamer to the recovery tank.
2. Occasionally view the clear tube at the back left of the machine to check the amount of cleaning solution that is left in the machine.

If the squeegee assembly leaves streaks on the floor, raise the squeegee off the floor and wipe the blades down with a damp cloth.

When the solution tank runs empty, turn off the brush switch and ball valve of solution tank. Keep the squeegee down and continue to vacuum until all the dirty water is picked up.

**WARNING:**

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

## TANK DRAINING

1. Turn the machine off.
2. Raise the squeegee, transport machine to approved area for draining tank(s).



### **WARNING:**

Any time scrubbing is completed, or when refilling solution tank, the recovery tank should be drained and cleaned.

### **WARNING:**

If the recovery tank is not drained when the solution tank has been refilled, foam or water may enter the float shut-off mechanism and cause damage to the vacuum motor.

### Draining The Recovery Tank

1. Remove the drain hose from the holder, and place the drain hose over the floor drain. Twist off the drain hose plug to begin the draining process.
2. Clean the recovery tank after every use. Use a fresh water hose to rinse out the recovery tank. Be careful not to spray water into the float shut-off mechanism.



### **WARNING:**

If you are storing the machine for any period of time, keep the cover tank open so the tank can dry completely and smell fresh.

## Draining The Solution Tank

Any time scrubbing operation is completed, the solution tank should be drained and cleaned.

1. Pull down on the clear tube (back left of the machine) to remove it from the hose barb. This will allow the solution to flow freely into a bucket or floor drain.
2. Rinse the solution tank with clean water after every use. This will help prevent chemical buildup and clogging of the solution lines.
3. Once tank is rinsed, flushed and drained, reconnect the clear tube to the hose barb. Be sure the tube is pushed all the way up on the hose barb.
4. Screw off the cover of the water filter (Machine components, #11) to completely exhaust the tank and check the filter screen, clean it up if necessary.
5. Screw up the cover of the water filter (Machine components, #11), be sure to install the screen and the „O” ring in the correct position.



## PREVENTIVE MAINTANANCE

### Daily maintenance



#### **WARNING:**

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



#### **WARNING:**

**Repairs are to be completed by authorized service centers only. Any repairs completed by unauthorized persons will void the warranty.**

1. Remove pad driver / brush and clean with approved cleaner.
2. Drain recovery and solution tanks completely and rinse out with clean water. Visually check the recovery tank for debris and clean out as necessary.
3. Raise squeegee assembly off floor and wipe it down with a damp towel. Be sure to store the squeegee in the up position.
4. Remove the float shut-off assembly and rinse it out with clean water.
5. Clean machine with an approved cleaner and a damp towel. Don't spray water to clean the outside of machine to avoid damage to motor and wiring.
6. Unplug vacuum motor from power source and hose cuff & remove the drain hose from the holder prior to removing the recovery tank when performing maintenance.
7. Check the condition of the squeegee blade wiping edge, rotate blade or replace it if worn.

## Monthly maintenance

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Clean the battery tops to prevent corrosion (only for i18B).</li> <li>2. Check for loose battery cable connections (only for i18B).</li> <li>3. Inspect and clean the recovery tank cover seal. Replace it if damaged.</li> </ol> | <ol style="list-style-type: none"> <li>4. Lubricate all grease points and pivot points with silicon spray and approved grease.</li> <li>5. Check the machine for loose nuts and bolts.</li> <li>6. Check the machine for leaks.</li> </ol> |
|---|--|

## Machine Storage

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Always store the machine indoors and in its upright position.</li> <li>2. Always store the machine in a dry area.</li> <li>3. Always take off the pad driver / brush before storage.</li> <li>4. Always store the machine with the squeegee assembly raised off the floor.</li> </ol> | <ol style="list-style-type: none"> <li>5. If storing in an area which may reach freezing temperatures, be sure to drain all fluids from the machine prior to storage(include the filter). Any damage caused by freezing temperatures will not be covered by the warranty.</li> <li>6. Drain the recovery tank and keep the cover tank open so that it can "breathe" during storage.</li> <li>7. Drain the solution tank of all fluid.</li> </ol> |
|---|--|

## Battery Maintenance (Only i18B)



### **WARNING:**

Batteries may emit hydrogen gas and an explosion or fire can result. Keep sparks and fire away from batteries at all times.



### **WARNING:**

Whenever servicing batteries, be sure to wear protective gloves. Avoid contact with battery acid at all times.

1. Always follow the battery charging direction as outlined in the BATTERY CHARGING section of this manual.
2. 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.
3. Use a wire brush with the baking soda solution to properly clean the battery posts and connections.
4. Check battery connections for wear and loose terminals. Replace them if necessary.

## BASIC TROUBLESHOOTING

| PROBLEM                    | CAUSE  | SOLUTION   |
|----------------------------|--|--|
| No Power                   | The wiring not connected correctly or bad wiring | Check the wiring or contact ICE Distributor                                      |
|                            | Bad brush motor                                  | Contact ICE Distributor  |
|                            | Carbon brushes worn out                          | Contact ICE Distributor  |
| Vacuum motor does not run  | The wiring not connected correctly or bad wiring | Check the wiring or contact ICE Distributor                                      |
|                            | Bad vacuum motor                                 | Contact ICE Distributor  |
|                            | Carbon brushes worn out                          | Contact ICE Distributor  |
| Little or no solution flow | Bad ball valve                                   | Contact ICE Distributor  |
|                            | Bad solution valve                               | Contact ICE Distributor  |
|                            | Bad valve position in need of adjustment         | When ballvalve is in horizontal position, the amount of solution flow is maximum |

| PROBLEM            | CAUSE                                 | SOLUTION  |
|--------------------|---------------------------------------|---|
| Poor water pick up | Squeegee clogged                      | Clean debris off squeegee with a damp towel   |
|                    | Squeegee blades worn                  | Install new squeegee blades   |
|                    | Squeegee not ounted correctly         | Confirm that the squeegee assembly is securely fastened to the machinge and not loose fitting |
|                    | Vacuum hoses have a hole or are loose | Check hose connections and make sure they are firm. Replace hose if damaged                   |
|                    | Vacuum hose may be clogged            | Check hose for debris and remove any clog.  |
|                    | Drain hose stopper is loose           | Tighten drain plug.   |
|                    | Vacuum motor is loose                 | Tighten vac motor mounting screws. Do not over tighten or damage will occur.                  |
|                    | cover tank is loose                   | Confirm the cover tank is securely in its place.  |
|                    | Recovery tank is full                 | Drain recovery tank   |
|                    | Float shut off is clogged             | Remove float shut off from inside recovery tank and remove any debris                         |
| Short runtime*     | Low battery charge                    | Fully recharge batteries  |
|                    | Defective batteries                   | Replace batteries   |
|                    | Batteries need maintenance            | See BATTERY MAINTENANCE   |
|                    | Faulty battery charger                | Repair or replace battery charger   |

\* ONLY FOR i18B

## TECHNICAL SPECIFICATIONS

| MODEL                              | i18B/i18C  |
|------------------------------------|--|
| WORKING WIDTH                      | 450 mm   |
| SQUEEGEE WIDTH                     | 760 mm   |
| EFFICIENCY                         | i18B: 1500 m <sup>2</sup> /h<br>i18C: 1200 m <sup>2</sup> /h |
| BRUSH DIA                          | 450 mm   |
| BRUSH SPEED                        | 180 rpm  |
| MAX PAD PRESSURE                   | 25 kg  |
| BRUSH MOTOR                        | i18B: 24 V / 550 W<br>i18C: 220 V / 550 W                    |
| VACUUM MOTOR                       | i18B: 24 V / 500 W<br>i18C: 220 V / 500 W                    |
| BATTERIES*                         | 2-12 V / 85 AH @20hr   |
| SOLUTION TANK CAPACITY             | 35 l   |
| RECOVERY TANK CAPACITY             | 40 l   |
| MACHINE WEIGHT (WITHOUT BATTERIES) | 62.5 kg  |
| BATTERIES WEIGHT *                 | 2x25 kg  |
| MACHINE LENGTH                     | 165 mm   |
| MACHINE HEIGHT                     | 1025 mm  |
| MACHINE WIDTH                      | 520 mm   |
| CABLE LENGTH **                    | 25 m   |
| CHARGER CORD *                     | 2 m  |
| MAX GRADIENT                       | 2%   |
| TYPE OF DRIVE                      | Brush assisted   |
| NOISE LEVEL                        | 70 dB  |
| WORKING VACUUM                     | 155 mbar   |

## WEAR AND TEAR PARTS LIST

| <b>DIA NO</b> | <b>PART NUMBER</b> | <b>DESCRIPTION</b> | <b>NO REQ'D</b> |
|---------------|--------------------|--------------------|-----------------|
| 1             | 8115200            | 8 INCH WHEEL       | 2               |
| 2             | 8116009            | BUMPING WHEEL      | 3               |
| 3             | 8118022            | REAR SQUEEGEE      | 1               |
| 4             | 8118021            | FRONT SQUEEGEE     | 1               |
| 5             | 9040017            | PAD HOLDER 17"     | 1               |
| 6             | 9050018            | BRUSH 18"          | 1               |





# C E R T I F I C A T E

## ATTESTATION CERTIFICATE OF MACHINERY AND ELECTROMAGNETIC COMPATIBILITY DIRECTIVES

Technical file of the company mentioned below has been observed

2006/42/EC Machinery Directive and 2014/30/EU Electromagnetic Compatibility Directive  
have been taken as references for these processes

|                              |  |
|------------------------------|--|
| Company Name                 | : <b>Guangdong ICE Co., Ltd.</b>   |
| Company Address              | : Fushan Section Road, Xiangshi Road, Liaobu Town, Dongguan City, Guangdong Province, P.R. China   |
| Related Directives and Annex | : <b>2006/42/EC Machinery Directive</b><br><b>2014/30/EU Electromagnetic Compatibility Directive</b>   |
| Related Standards            | : <b>EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019+A15:2021</b><br><b>EN 60335-2-72:2012; EN 62233:2008; EN IEC 61000-6-1:2019</b><br><b>EN IEC 61000-6-3:2021; EN IEC 61000-3-2:2019+A1:2021</b><br><b>EN 61000-3-3:2013+A1:2019</b> |
| Product Name                 | : <b>Automatic Scrubber</b>  |
| Report No and Date           | : TST202108Q3437-1SR, TST202108Q3437-2ER   |
| Product Brand/Model/Type     | : ICE / i18B   |
| Certificate Number           | : <b>M.2021.206.C67479</b>   |
| Initial Assessment Date      | : 03.09.2021   |
| Registration Date            | : 06.09.2021   |
| Reissue Date/No              | : -  |
| Expiry Date                  | : <b>05.09.2026</b>  |

*Handwritten Signature*  
UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc.Co.



The validity of the certificate can be checked through [www.udemtd.com.tr](http://www.udemtd.com.tr). The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Co. Ltd. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be notified in case of any changes on the product(s)

**Address:** Multifunkt Mahalleli 2073 Sokak [Eski 93 Sokak] No:10 Çankaya – Ankara – TÜRKİYE  
**Phone:** +90 0312 443 03 90 **Fax:** +90 0312 443 03 76  
**E-mail:** [info@udemtd.com.tr](mailto:info@udemtd.com.tr) [www.udem.com.tr](http://www.udem.com.tr)



# C E R T I F I C A T E

## ATTESTATION CERTIFICATE OF MACHINERY AND ELECTROMAGNETIC COMPATIBILITY DIRECTIVES

Technical file of the company mentioned below has been observed

2006/42/EC Machinery Directive and 2014/30/EU Electromagnetic Compatibility Directive  
have been taken as references for these processes

|                              |  |
|------------------------------|--|
| Company Name                 | : <b>Guangdong ICE Co., Ltd.</b>   |
| Company Address              | : Fushan Section Road, Xiangshi Road, Liaobu Town, Dongguan City, Guangdong Province, P.R. China   |
| Related Directives and Annex | : <b>2006/42/EC Machinery Directive</b><br><b>2014/30/EU Electromagnetic Compatibility Directive</b>   |
| Related Standards            | : <b>EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019+A15:2021</b><br><b>EN 60335-2-72:2012; EN 62233:2008; EN IEC 61000-6-1:2019</b><br><b>EN IEC 61000-6-3:2021; EN IEC 61000-3-2:2019+A1:2021</b><br><b>EN 61000-3-3:2013+A1:2019</b> |
| Product Name                 | : <b>Automatic Scrubber</b>  |
| Report No and Date           | : TST202108Q3438-1SR, TST202108Q3438-2ER   |
| Product Brand/Model/Type     | : ICE / i18C   |
| Certificate Number           | : <b>M.2021.206.C67480</b>   |
| Initial Assessment Date      | : 03.09.2021   |
| Registration Date            | : 06.09.2021   |
| Reissue Date/No              | : -  |
| Expiry Date                  | : <b>05.09.2026</b>  |

*U. Singh*  
UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc.Co.



**Address:** Muftukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya – Ankara – TÜRKİYE  
**Phone:** +90 0312 443 03 90 **Fax:** +90 0312 443 03 76  
**E-mail:** info@udemita.com.tr www.udem.com.tr



ICE Cobotics EMEA  
Airborne Avenue 55  
2133 LV Hoofddorp,  
Netherlands  
+31 (0)23 20 41 020  
+31(0)800-9099

[www.icecobotics.com](http://www.icecobotics.com)  
[info-emea@icecobotics.com](mailto:info-emea@icecobotics.com)

ICE Cobotics USA  
101 E. Roosevelt  
Zeeland, MI 49464

833-ICE-ROBO

[info-us@icecobotics.com](mailto:info-us@icecobotics.com)

ICE Cobotics China  
2F, Building #5,  
1151 Lianxi Road  
Pudong, Shanghai, China  
+86 138 1611 1119

[marketing@icecompanies.com](mailto:marketing@icecompanies.com)