

OPERATING MANUAL



TSC-ID-101-V01-EN

THE
SEARIAL CLEANERS
STOP WONDERING START CLEANING

— WEARTH Group —



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This guide will familiarize you with your waste collector and take you through the steps required to install and operate it properly.

If you have any questions, please get in touch at:
contact@searial-cleaners.com

SERIAL NUMBER

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OPERATING CONDITIONS



Do not use in rainy weather.

Do not use in foggy conditions.

Do not use on snow/ice.

Do not use on damp sand.

Do not use on a pebble beach.

Raise the sand sifter when moving off the beach.

To prevent the BeBot from overheating, allow it **to cool down for 5 min after every 40 min of use.**

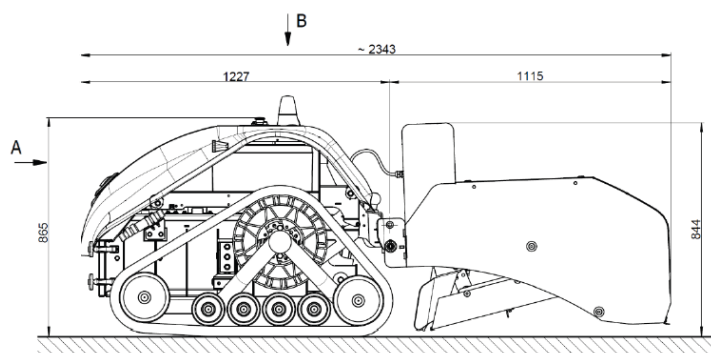
Only open the sand sifter hatch when it is fully raised.

The sand sifter can sieve sand to a **maximum depth of 10 cm.** The operator can adapt the sifting depth to suit operating conditions using the right-hand joystick.

If sand accumulates in the sand sifter and the BeBot starts to slow down and tilt backwards, the sifting depth needs to be reduced.

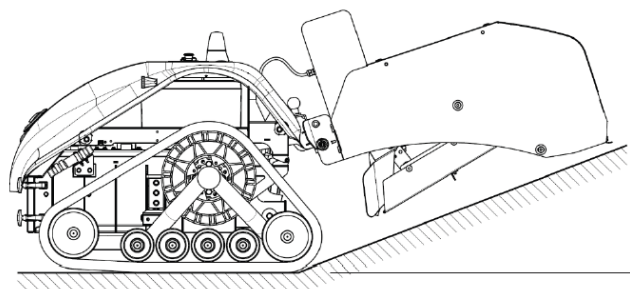
Do not turn while the sifter is in the sand.

BEBOT DIMENSIONS

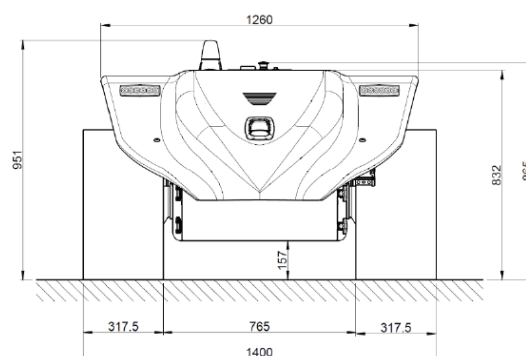
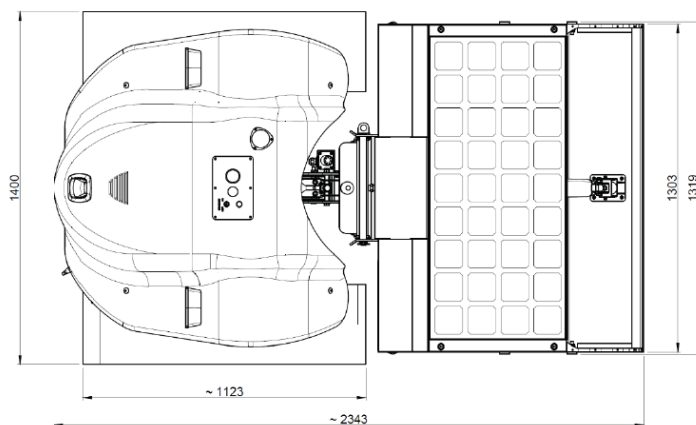


View from "B"

Lifting Bracket fully UP



View from "A"

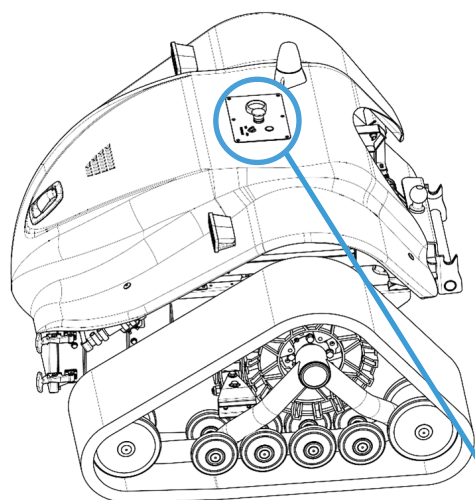


All measurements are in mm.



OVERVIEW OF BUTTONS

BeBot control panel



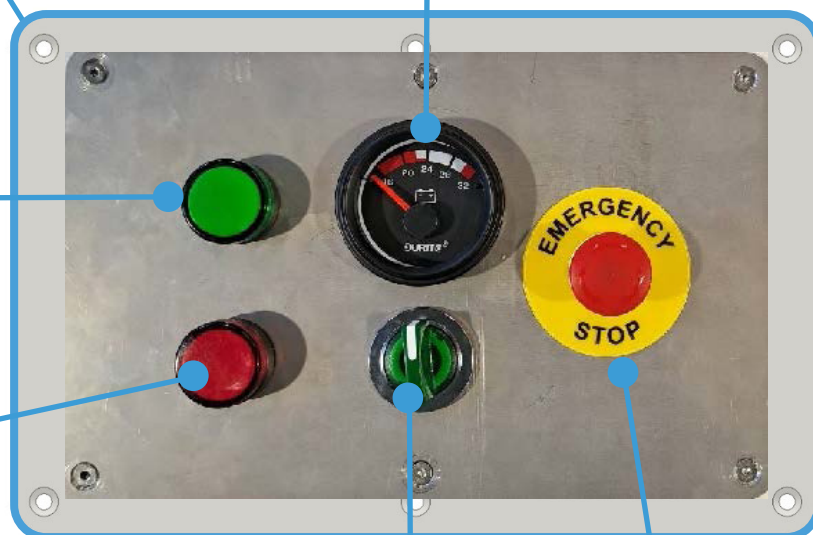
Green LED

Red LED

Battery voltage meter

On/Off button

Emergency
stop button



Remote control



- A** Controls (joystick, selectors, buttons)
- B** Technical data plate
- C** Power button: to switch on the remote control
- D** Power key (M-Key): The M-Key allows the remote station to be powered up
TO INSERT: Fully insert the M-Key into its slot.
TO REMOVE: Remove the M-Key from its slot by pulling the cord.
- E** Configuration cable connector
- F** Lighting button
- G** LED matrix (red and green): provides information on connection status and battery level.
- H** Battery compartment



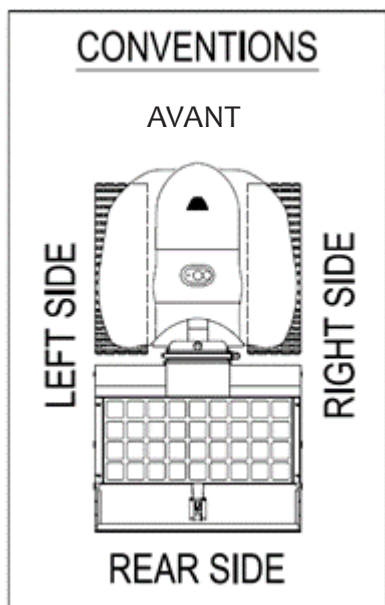
- 1 LED: displays battery information on the remote control
- 2 GSS/Emergency stop button: switches off the remote station and shuts down the machine
- 3 Bracket (Up/Down): controls the X-Bot's rear arm
- 4 Sifter (On/Off): sifter vibration switch
- 5 Container (Open/Close): controls the collection compartment's rear door
- 6 Sifting depth (Up/Down): controls the sifter
- 7 Speed: used to adjust the machine's speed
- 8 **Mode: NOT AVAILABLE**
- 9 Joystick: controls the speed and direction
- 10 Buzzer: produces sound



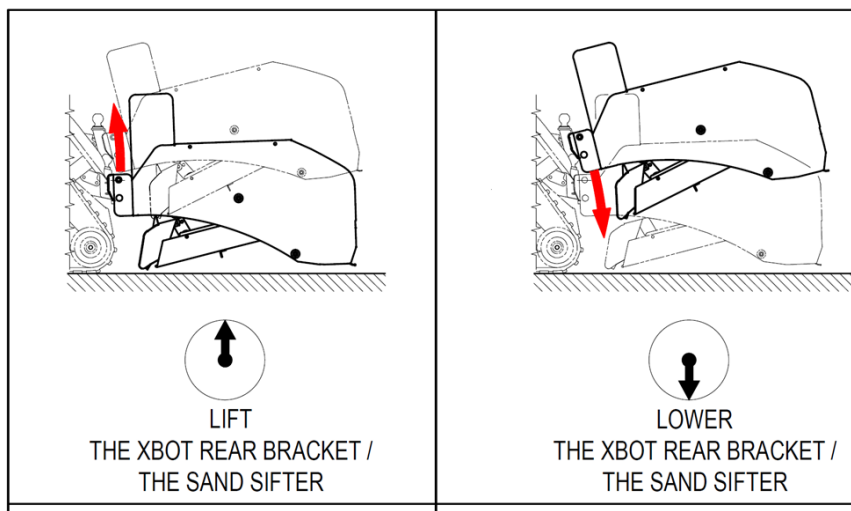
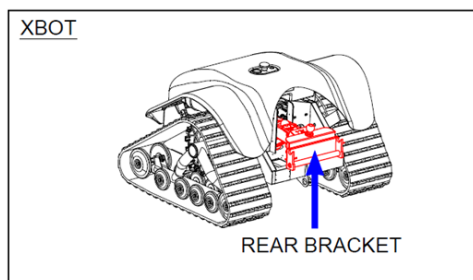
WARNING!!

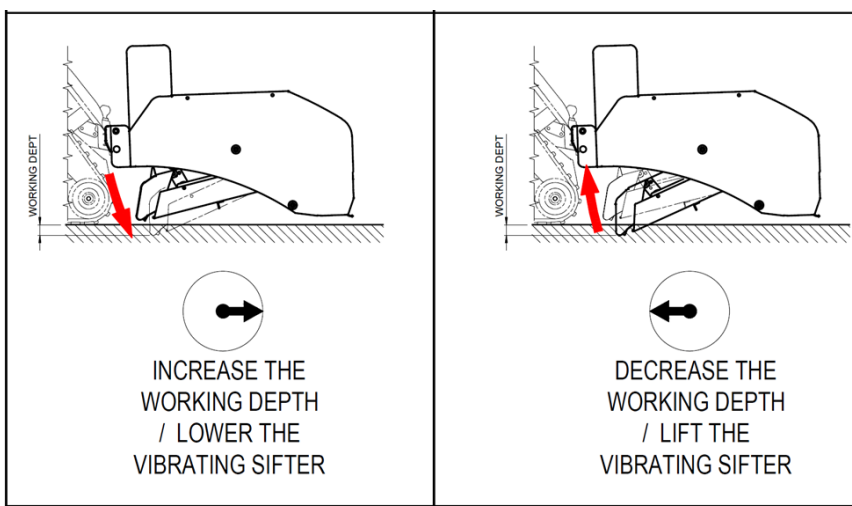
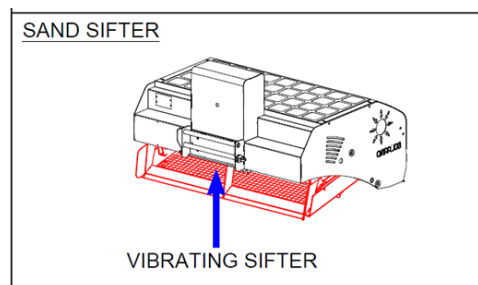
Always make sure that all switches are set to Off before starting the machine.

Bebot direction



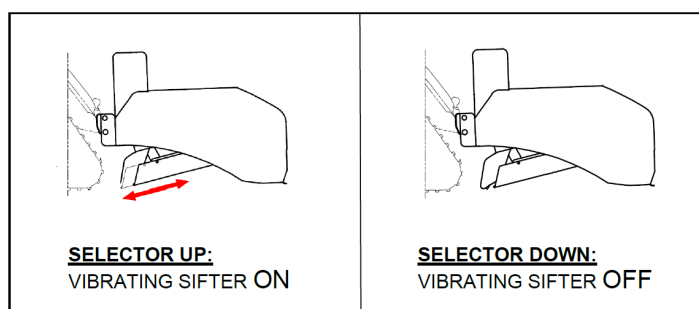
SIFTER depth





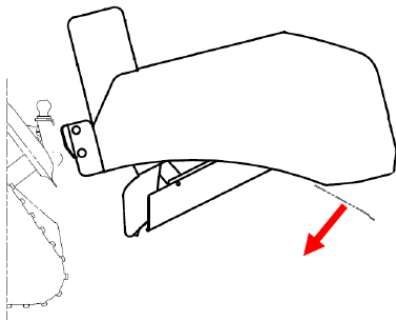
Warning: before operating the BeBot, make sure that the sifter is fully raised. Keeping the sifter in a raised position when moving the BeBot avoids overloading it.

Sifting vibration intensity

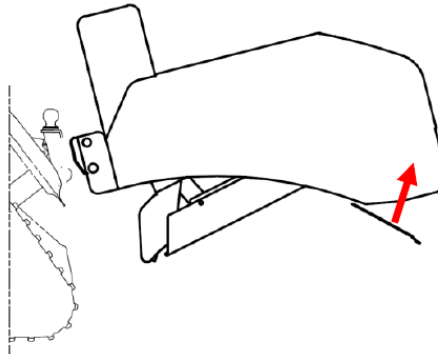


To unlock the switch when it is in the Off position, pull it up before switching it to On.

Open rear door

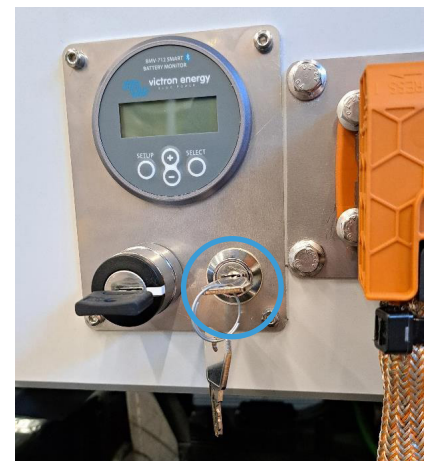


SELECTOR UP:
REAR DOOR OPEN



SELECTOR DOWN:
REAR DOOR CLOSE

Buzzer



Buzzer with remote control: Insert the key into the lock, turn clockwise, and leave the key in place. The buzzer can be switched on/off using the remote control button.

Buzzer with key: Insert the key into the lock, turn clockwise, turn the buzzer on/off using the remote control, and remove the key. The buzzer will remain active and can no longer be controlled from the remote control.

Lighting



To switch the lighting on/off, press and release the button.

Charging the remote control battery



1. Make sure that the BeBot and the remote control are switched off (red button pressed on the BeBot and the remote control).
2. Remove the battery (H) from the remote control by pushing it in the direction shown.
3. Insert the battery into the charger, then plug the charger into the wall. If the battery is completely empty, a full charge may take up to 4 hours.
4. Once charging is complete (shown by the green LED), replace the battery in the remote control.

BATTERY CHARGING



Batteries must be charged after each time the BeBot is used.

1. Disconnect the power connector from the batteries.



2. Connect the battery charger to the batteries.



3. Connect the charger to a 220 V AC/50 Hz grid supply.
The connector may differ from country to country.

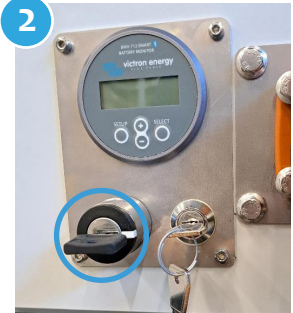
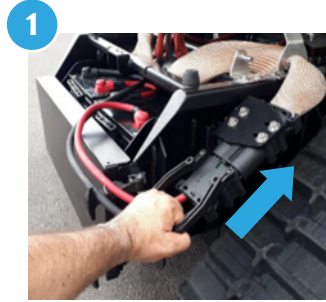


4. If the batteries are fully discharged, the charger will need to operate for 6-8 hours. When the batteries are fully charged, the green LED is lit.

When charging is complete, disconnect the charger from the mains supply, then disconnect the charger from the batteries.

STARTING THE BEBOT

1. Make sure that the battery is connected to the system.
2. Open the BeBot cover and turn the safety key (in the bottom-left corner of the electronic panel) clockwise, then replace the cover.
3. Make sure that the red emergency stop button has not been pressed. Then turn the On/Off button located on top of the BeBot to the On position.
4. *Always switch off the remote control when entering the 2 m working area around the BeBot.*



SWITCHING ON THE REMOTE CONTROL



Insert the ignition key into the remote station or check that it has already been inserted.

Hold the Start button until the green LED blinks once or twice before pausing. This means the remote control is switched on.



If the red LED lights up, make sure that the controls are in start-up mode:
The speed **must not be set to 0%**.
The GSS emergency stop button **must be released**.
The sifter **must be set to Off**.
The container **must be set to Closed**.
The buzzer **must be set to Off**.

The remote control battery must be charged.

ATTACHING THE SIFTER

1. Align the X-Bot pallet with the sand sifter pallet.

2. Move the X-Bot backwards to align the attachment systems on the X-bot and the sifter.

Warning: never attach or detach the sifter when the X-Bot is switched on.

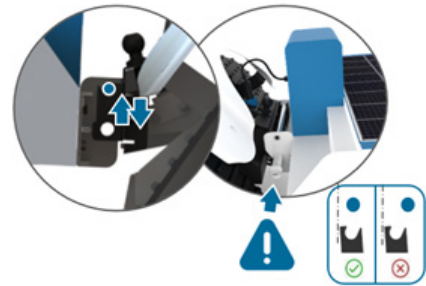
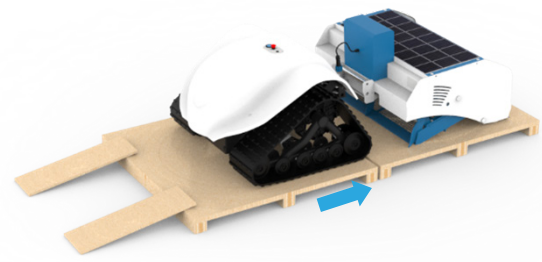
3. Switch off the X-Bot and connect the sifter cable to the rear of the X-Bot.

4. Switch the X-Bot back on.

Do not move the X-Bot forward otherwise you risk shearing the cable.

5. Use the “bracket” and “sifting depth” controls to dock the two connector systems.

6. Turn off the remote control and the BeBot. Once the sifter is docked, insert the pin.



To disconnect the sifter, perform the steps in reverse order. Once the sand sifter is disconnected, carefully detach the cable.

UNLOADING

Ramps are provided to enable the BeBot to safely descend from the pallets.

Raise the sifter unit to maximum height and move the BeBot off the pallet using the ramp.



STORAGE

Always store the BeBot **in a dry place**, at a temperature **between 5 °C and 30 °C**. Place the sand sifter on the ground, either attached to the X-bot or detached from it.

The battery should be recharged every 3 to 5 weeks during long-term storage to prevent deterioration.

Recharge the battery after each use.



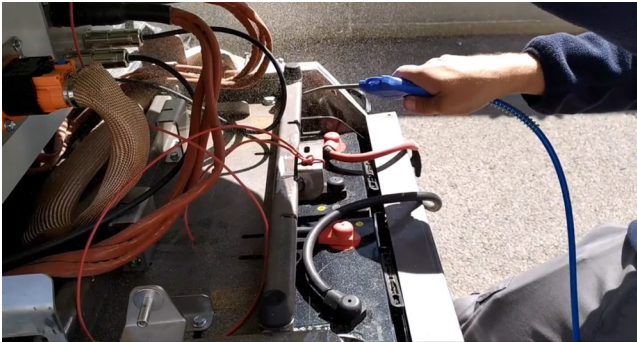
CLEANING

Clean the BeBot after each operation:

- We recommend using an air blower to remove sand easily.
- You can also use clean water. Never spray water on the electronics box or battery.



Never use a power washer.



RAKE

Two people are needed to assemble the rake.

1- Assemble parts A and B of the rake. Secure the parts using the four screws supplied.



2- Place the assembly in front of the X-Bot bracket. The bracket must be in the raised position.



3- Using the remote control, move the X-Bot backwards until the rake hole can be aligned with the upper hole of the bracket. Push rod C through the rake hole and the X-Bot bracket, then secure it in place with the pin.



4- The rake is assembled and attached to the X-Bot.



5- To remove the rake, perform the steps in reverse order.

The rake can remain attached while the unit is in storage.
Rinse with clean water after each use.

Never use on a pebble beach, only on sand.

SAFETY RULES

- Make sure you remain at least 2 m from the perimeter of the work area around the Bebot.
- If you need to enter the work area, wear safety shoes and gloves.
- Do not lie under the sifter when it is raised.
- Do not open the rear door of the sifter when it is lowered.

ONE YEAR WARRANTY

ROTAX guarantees that its beach robot known as the “BeBot” (the "Product") is free from manufacturing and/or material defects, when used in accordance with the intended purpose, for a period of 1 (one) year from the date of delivery.

Over this period:

- ROTAX will be responsible for the cost of replacement parts.
- Our products have been developed to enable remote preventive and remedial maintenance. However, Rotax reserves the right to carry out in-person visits for assessment purposes or replacement.

The Warranty is valid only on condition that:

- The Product is used in accordance with the specifications relating to the Product and its use (technical specifications, instruction manual or technical guide).
- The installation and/or assembly of the Product are carried out in accordance with the instructions provided with the Product and by specialized technical personnel.
- The limit values of temperatures and voltages are not exceeded and the Product is not exposed to mechanical loads incompatible with its intended use.
- Product maintenance is carried out in accordance with the instructions provided with the Product and by specialized technical personnel; no modifications or repairs may be made to the Product without written authorization or which do not comply with the instructions provided.
- The Customer has already carried out all operations indicated in the instruction manual provided with the Product.
- If a Product is found to be defective it must be stored by the Customer in the state in which it is found (including any electronic or mechanical accessories) for as long as necessary to enable ROTAX to inspect the defects/faults reported.
- The Customer must present to ROTAX the purchase agreement, the corresponding invoice, or the documentation issued after online registration.
- The Customer must report to ROTAX any duly specified fault which is proven in its nature and extent, in writing under penalty of forfeiture within and no later than 30 (thirty) days after discovery of the fault.
- The Customer has duly paid for the Product in accordance with the payment conditions agreed in the sales contract.

The Warranty shall be null and void if:

- The serial number is erased or made illegible.
- An unauthorized device is used or the product is modified.
- Non-genuine parts or accessories are used.
- A part or accessory is tampered with.
- Faults appear in the robot, in the power supply, in the charging system or in accessories due to weather-related events such as lightning, avalanches, landslides, power surges, electrical discharges, thunderstorms, floods, natural disasters, etc.

The warranty does not cover:

- Transport costs: these expenses will be charged to the Customer.
- Discoloration of plastics due to natural reasons or chemical agents.
- Aesthetic damage, such as scratches, cuts and dents, unless damage to the Product has occurred due to a material or manufacturing defect.
- Damage caused by accident, improper use, misuse, flood, fire or other natural or external causes.
-
- Damage caused by operations performed by service providers not authorized by ROTAX.
- Damage caused by using the Product with accessories not produced or sold by ROTAX.
-
- Consumables.

The Warranty is limited to the country where ROTAX originally sold the Product.

ROTAX does not guarantee uninterrupted or error-free operation of the Product, nor is ROTAX responsible for damage caused by incorrect application of the instructions.

ROTAX retains the exclusive right to repair or replace (with a new or recently overhauled replacement Product) the Product or its component parts, or to offer a full refund of the purchase price at its sole discretion. If a refund is provided, the Product in question must be returned to ROTAX and shall become ROTAX property.

During the warranty period, ROTAX will, at its sole discretion, repair or replace damaged components under normal conditions of use. Repair or replacement may include the use of recently overhauled components and/or units selected by ROTAX.

ROTAX also reserves the right to use replacement units, parts or components of comparable value and design.

This Warranty is the sole and exclusive form of guarantee provided by ROTAX to the Customer on the Product in express derogation from any other explicit and/or implicit right conferred by law on the Customer, who waives it in the broadest manner permitted by law, as well as any other warranty provided by ROTAX.

The Customer will have nothing to claim from ROTAX in relation to the defective Product. In particular, ROTAX shall not be charged for any storage costs of the defective Product, nor any other expense and/or compensation for damage, just as the Customer shall not be entitled to request and/or demand deferral of payments, price reductions or termination of the supply contract.

Date

Order no.

Customer signature

THE SEARIAL CLEANERS

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CONTACT

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