USER MANUAL

XB50

WASHPOWER™

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Explanation of pictograms on the robot

Slippery floor after washing

Breathing apparatus must be fitted with a minimum of a P2 filter which protects against both solid particles and liquid aerosols.

Use protective glasses in the pig house while it is being washed.

Water is highly electrically conductive.
Electricity must be connected away from the wash area.

General safety instructions

Read the safety instructions and directions before use. Failure to comply with the safety instructions and directions will result in the risk of serious injury.
Retain all safety instructions and directions for use later on.
You must stay behind the robot according to its direction of travel while it is in use.
When the robot is in operation all persons must vacate the cleaning area.

- The work area must be dimensioned so that the robot can operate unhindered in the entire area you wish to clean.
- In order to prevent the robot stopping unintentionally, the floor must be flat and all objects must be removed.
- When the robot is in use all persons must vacate the cleaning area.
- The charger wall plug must fit the electrical socket.
- The charger wall plug must not be changed under any circumstances.
- Do not use adapter plugs together with grounded robots. Plugs that do not fit the wall socket pose a risk of electric shocks.

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	1.´ High pressure nozzle		9. High Pressure coupling, floor connection pipe
	2. Right wash arm		10. Pressure relief/ball valve
	3. Locking handles for wash arms		11. Emergency stop(s)
	4. Left wash arm		12. End wall sensor
	5. Secondary position for high pressure coupling		13. Wash arm parking on both sides of robot
	6. Control panel and ON/OFF button		14. Tow bar for manual transport
	7. Handle for drivemotor belt tensioner		15. Adjustable sidewheels (x4)
	8. Battery charger and wall plug compartment		16. Floor connection pipe, high pressure hose connection

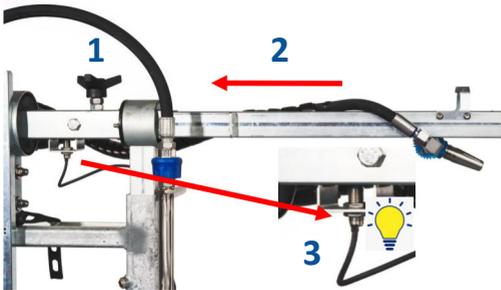# Setting up the Robot for operation

For manual transportation, use the included dolly.

Hook the dolly to the tow bar, and tilt it until the front wheels lift from the ground.

Now you can easily move the robot.

You are able to both pull and push the robot with the attached dolly, making it easy to move between buildings.

Mount the arms by loosening the two locking handles (1). Take the arm from the parking position and push it inside the square tube on top of the robot (2). Make sure the sensor lights up to signal correct seating (3).

Arm should be turned as depicted, where the nozzle is downward in relation to the handle.

When both arms are mounted correctly, tighten the two locking handles.

Setting up the Robot for operation

Release the handle for the floor connection pipe by turning it outwards and letting it slide down, exposing the highpressure hose connection.

Connect the highpressure hose to the coupling. Make sure it is seated and locked.

Lock the floor connection pipe handle using the locking bracket. Now the pipe i fixed in bottom position.

Open the pressure releaf valve for 5-10 sec. to ensure no air pockets are present in the system., and that water is flowing freely.

Make sure the highpressure pump is turned on before doing this.

Setting up the Robot for operation

Make sure the drive motor belt tensioner handle is in locked position.

Unlock the drive motor belt tensioner handle When you need to transport the robot manually (Page 6)

Open the lid to operate the HMI panel.

Turn the robot 'ON' by twisting the ON/OFF button to 'ON' position

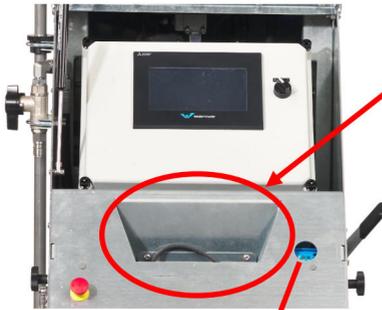Choose the program you want the robot to perform from the dropdown list.

Press 'play' to start the chosen program.

Further instructions on operating the HMI panel can be found in next chapter (page 9)

The robot starts operating with the program you have chosen

Charging the robot

Pull the charging cable out from the cable compartment and plug it into a suitable wall outlet.

When connected check that the charge lights are lit as follows:

Green:
Connected to power (constant lighting)

Yellow:
STATUS :

When the STATUS (yellow) LED is blinking slow, the battery will be approximately 80% charged and may be returned into operation if required.

When the STATUS (yellow) LED is illuminated, the battery will be fully (100%) charged and is ready to be returned into operation.

When the STATUS (yellow) LED is off the battery is fully charged. The battery can be left on continuous charge for an extended duration.
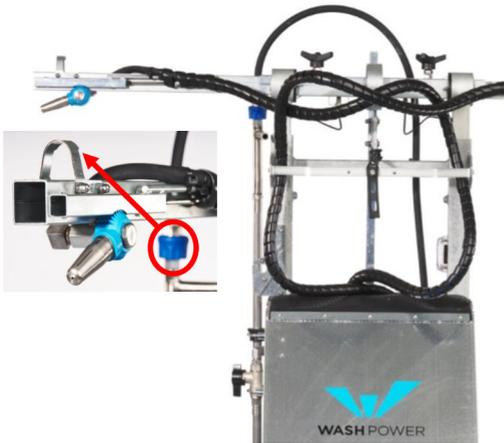
Disconnect the AC power cable from the mains power outlet at any time to stop charging.

Using alternative bracket for hose

If you need to place the hose on the wash arms, we have prepared a bracket on each arm for easy connection.

The typical use of this position is when the floor slates are in same direction as the robot. The hose in bottom position, can get stuck in the ribs .
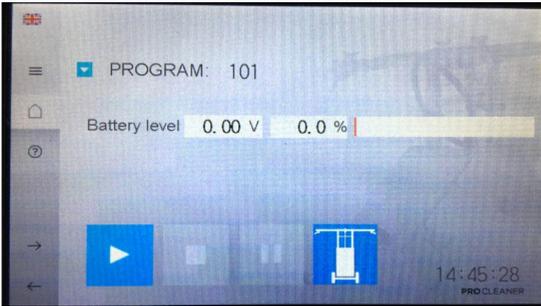
You can freely use either left or right side.

Hose bracket locks the connector (dark blue) in to position.

Hose is lifted clear of the floor.

HMI panel — starting a program

Home screen

From here you can choose :

- Program
- Start selected program
- Stop selected program
- Pause selected program
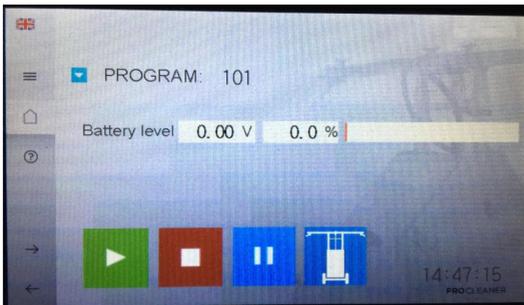- Select active wash arms
  - Both, left or right

Program list

From here you can select the program you want the robot to perform.

Mark the program and press √

For more details about the programs, please read page XX

Start selected program

Pressing the 'Play' button will start the robot, using the chosen program, shown at the top.

Play button turns green, stop and pause becomes active.

Select active washarm(s)

By tapping on the robot pictogram, you can choose to activate only one washarm. One tap is left, two taps is right and a third tap will activate both again.

Storing the robot

1. Wash the robot to remove all dirt from surface, wheels, fittings etc.

2. Store the robot in an ammoniac free environment

3. Grease the robot every 3 months or 250 hrs operation

4. Use spray lube on connection parts

5. Follow the maintenance schedule

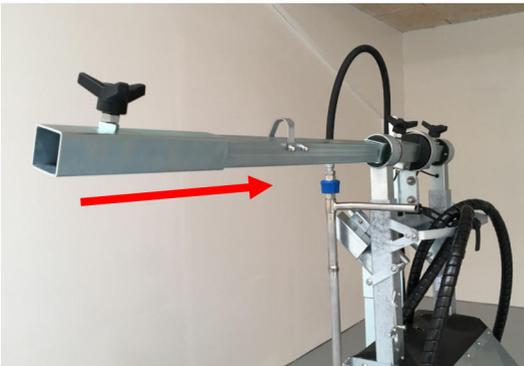| Washing programs for XB50			
WASH POWER™ Make cleaning easy			
Wash Type	**Farrowing section**	**Early Weaning section**	**Finisher section**
High intensity (slow)	101	201	301
Medium intensity (medium)	102	202	302
Low intensity (fast)	103	203	303
W/ extension arms (+80 cm)			
High intensity (slow)		211	311
Medium intensity (medium)		212	312
Low intensity (fast)		213	313

Program overview

Extension arms

If your robot have extension arms, they are placed in brackets on the side of the robot.
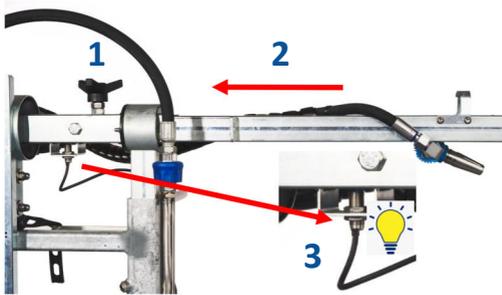

Lift the extension arm from the bracket

Mount the extension arm , by sliding it into the profile on the robot, until it is seated at the bottom of the profile.

Loosen the rubberband that fixes the washarm cables to accomodate the extended reach of the washarms.
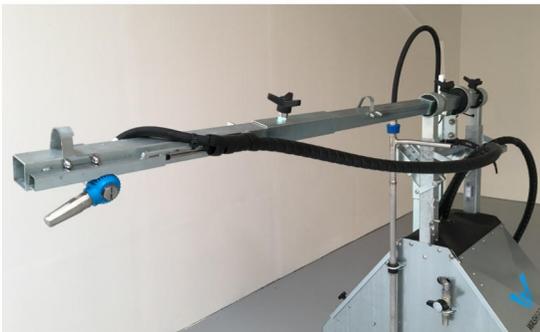
Extension arms

Mount the arms by loosening the two locking handles (1). Take the arm from the parking position and push it inside the square tube on top of the robot (2). Make sure the sensor lights up to signal correct seating (3).

Arm should be turned as depicted, where the nozzle is downward in relation to the handle

Make sure to tighten the locking handles and check that the sensor light for each arm is lid.

WASHPOWER™
Make cleaning easy