

ProCleaner

C100



Washing Robot for Washing Crop Crates

**One person can wash up to  
40 boxes per hour**

**Technical Brochure**

- Specifications
- How it works

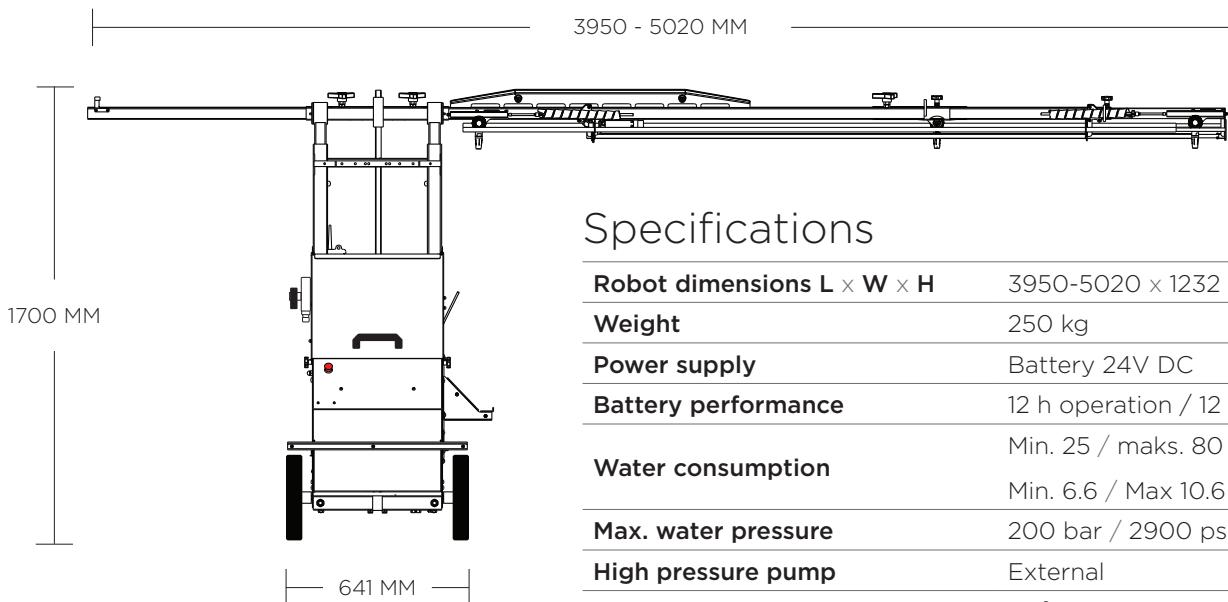


## The C100

With automated washing of potato boxes, one person can wash up to 40 boxes per hour and manage the entire process from a forklift. This setup provides significant savings in labor hours, while also greatly improving the work environment, eliminating the need for many strenuous hours with a pressure washer.

The C100 is initially loaded with 8 boxes. Once the first 4 are cleaned, they are removed, and replaced with 4 new dirty boxes. The process continues, allowing for a seamless exchange as the next 4 clean boxes are swapped out with dirty ones.

With the C100, Washpower automates and elevates the efficiency of washing boxes used in agriculture to new heights.



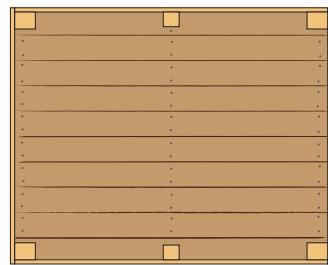
## Specifications

<b>Robot dimensions L x W x H</b>	3950-5020 x 1232 x 1700 mm
<b>Weight</b>	250 kg
<b>Power supply</b>	Battery 24V DC
<b>Battery performance</b>	12 h operation / 12 h charge
<b>Water consumption</b>	Min. 25 / maks. 80 l/m Min. 6.6 / Max 10.6 gallon/m
<b>Max. water pressure</b>	200 bar / 2900 psi
<b>High pressure pump</b>	External
<b>Max. water temperature</b>	60° C

# How it works

Washing setup seen from above and up to 4 boxes in each direction.

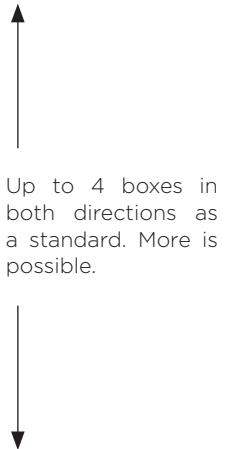
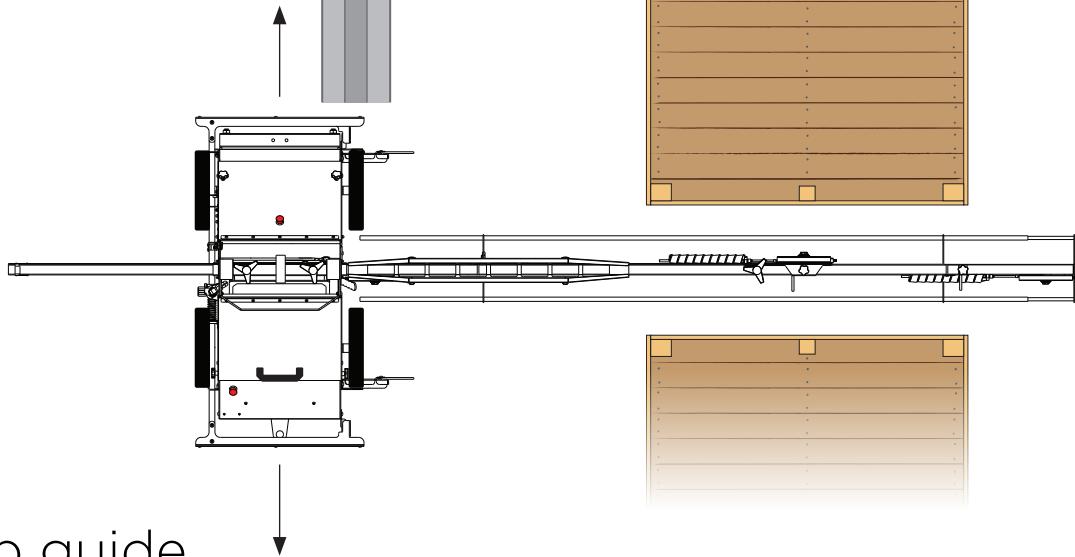
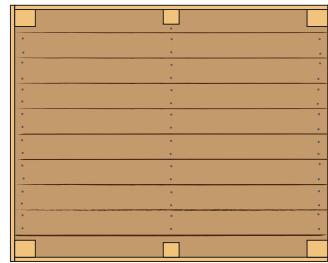
Three nozzles: Two washing on the outside of the boxes from each side and one washing from the middle, washing the inside of the boxes.



The possible box size is virtually unlimited, with no restrictions on width and depth.

As a standard, the box height can be up to 130 cm, but up to 150 cm is possible.

5 x 3 meters of track to guide the robot.



## Pump guide

In this table it is shown how the pump capacity affects the numbers of boxes per hour. If the total pump capacity is not sufficient, then the robot needs to run two cycles to wash the boxes, one cycle focusing on washing the boxes on the outside and then another wash cycle to focus on the inside afterwards.

Pump capacity - Value in liters per minute	One or two washing cycles for complete wash	Estimated boxes per hour	Nozzle requirements
1 x 20 liters pump	2 washing cycles	20 boxes per hour	Use 20 liter nozzle for inside / middle
2 x 20 liters pump	2 washing cycles	25-30 boxes per hour	Standard nozzle
1 x 30 liters pump	2 washing cycles	20-25 boxes per hour	Standard nozzle
2 x 30 liters pump	1 to 2 washing cycles	30-40 boxes per hour	If only one cycle, then use 20 liter nozzles
1 x 36 liters pump	2 washing cycles	25-30 boxes per hour	Standard nozzle
2 x 36 liters pump	1 washing cycle	35-40 boxes per hour	Standard nozzle
1 x 40 liters pump	2 washing cycle	25-30 boxes per hour	Standard nozzle
2 x 40 liters pump	1 washing cycle	40-45 boxes per hour	Standard nozzle



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