

TCI 130

REAR LOADER BIN WASHER MACHINE



GENERAL DESCRIPTION

- The TCI 130 mobile washing unit for Municipal Solid Waste (MSW) containers is the result of long and specific experience gained in the sector, both in Italy and abroad. The equipment is designed as a high-efficiency machine for large-scale operations, offering great versatility and low operating costs for the automated washing of MSW containers.
- It is designed in Rear-loading configuration to be mounted on heavy-duty chassis from 14 to 26 t and is distinguished by offering a complete washing system that effectively covers both the internal and external washing of the container.



TECHNICAL CHARACTERISTIC

- **Oleohydraulic system:** draws power from pumps installed on the vehicle's power take-off (PTO). It consists of a high-capacity tank, a heat exchanger, and filters, with safety valves throughout the entire circuit
- **Electrical system:** managed by an electrical control unit with IP56 protection, which regulates the hydraulic movements. In the cab, a touchscreen panel allows the driver to set washing times and parameters, access configuration menus, and view alarms. A second control panel on the machine is dedicated to ground operators to manage the loading/unloading cycle and washing selection (light/heavy).
- **Water system:** the high-pressure system consists of stainless steel tanks, filters, and a high-pressure pump (48 L/min, 160 bar). Internal washing is managed by two robots equipped with self-rotating heads. External washing is available in 4 different variants with increasing cleaning performance levels.

KEY FEATURES

- To ensure maximum hygiene, cleaning is facilitated by the total opening of the bottom and the use of pneumatic actuators internally (excluding the comb cylinders), which prevents water and oil contamination. The short tailgate, managed by the container lifter, is designed not to drip onto the operator at the end of the cycle.
- The container lifter rotates the container by 130°, immediately positioning it for the start of washing and ensuring a time saving. Two dedicated devices firmly lock the lids during the cycle, preventing oscillation and ensuring higher cleaning quality.
- Built to have complete closure of the washing chamber.
- The machine is designed in 3 distinct modules. This modular design optimizes weight distribution, allowing for an adequately long tank, and permits the protection of sensitive elements inside the front systems compartment, sheltered from atmospheric agents.

