

TECSIDE

SIDE LOADER BIN WASHER MACHINE

GENERAL DESCRIPTION

- The TECSIDE mobile washing unit for municipal Solid Waste containers is the result of long-standing, specific experience gained in the sector, offering great versatility and low operating costs for the automated washing of containers.
- It is designed to be mounted on heavy chassis ranging from 18 to 26 t and stands out for offering a complete washing system, which effectively covers both the internal and external washing of the container.

TECHNICAL CHARACTERISTIC

- **Oleohydraulic system:** the system uses a hydrostatic transmission that draws power directly from the vehicle's Power Take-Off (PTO). This system powers all operating components, including the movements of the container lifter and the water pumps, ensuring reliability and high performance.
- **Electrical system:** the electrical system is an advanced control system managed by an Electronic Control Unit (ECU). The operator interacts with the machine to control and customize the washing parameters using a Touchscreen keypad and a Joystick located in the cab. Operational safety is guaranteed by a five-camera system displayed on two monitors, which ensures complete control of the working area.
- **Water system:** the water system relies on a tank made of AISI 304 Stainless Steel and is powered by a main high-pressure pump (160 bar, 80 l/min). Internal washing is extremely effective, thanks to two robots equipped with self-rotating spray heads. To ensure safety and efficiency, the washing chamber remains completely closed during the cycle to prevent leaks. The dirty water is recovered, filtered, and safely discharged via a remotely controlled valve.

KEY FEATURES

- The efficiency of the Grapple Group is guaranteed by the fact that the group itself can remain outside the washing chamber in the rest position, eliminating the dead time associated with opening the tailgate before proceeding with the hook-up.
- Hook-up flexibility is ensured by the possibility of selecting the grapple group's rest position (internal or external) at the driver's discretion, combined with the absence of dead zones in the grappling distance.
- The split tailgate reduces the overall height in the open position (only 300 mm more than the closed machine), allowing use on tree-lined avenues and simultaneously reducing the sail effect in strong wind conditions.
- Simplified cleaning and maintenance are achieved because the tank bottom is free of obstructions and sloped to facilitate the elimination of solid waste.
- Fast and safe waste discharge is guaranteed by the discharge door, which is hydraulically operated from the cab with a safety lock and extends over the entire length of the chamber, allowing rapid runoff of accumulated waste.

