



The **Multi press** and **Multi Tank** equipment have been designed and built for the separate collection of waste in order to have a significant management saving on collection times.

The two tanks can be configured as **open top** (MULTI-TANK), one with **open top** and one with **compaction paddle**, or both with **compaction paddle** (MULTI-PRESS, they are made entirely of **S355J-S235J** steel sheet (a request in Peralluman Aluminum or Aisi 304 Stainless Steel).

In the **standard version**, the equipment is equipped with a rear bin Volt mod. Barracuda 2 with double comb + DIN 30700 arms, for containers from 80 to 660/1000 with flat lid and Voltabidoni mod. Barracuda for containers from 80 to 360 Lt. Both the bin roof and the bin roof are vertically lifted to prevent waste from escaping during collection; they are also equipped with a rear and side camera and color monitor in the cockpit.

Many accessories can be installed on equipment, including:

- *The automatic prepacking of the containers,*
- *Steel containers integrated into the bins and turn bins,*
- *Rear operator platform,*
- *Toolbox,*
- *Fire extinguisher and fire extinguisher holder,*
- *Shovel and broom support.*

The equipment **controls** are located both in the cabin and on the rear right and front behind the cabin.

They can be controlled by **human presence** levers or **electric** by means of a push button panel.

The **volumetric capacity** of the tanks varies from 6 cubic meters. to 10 mc.

Their lifting is given by **double-acting hydraulic cylinders** to allow their overturning at about 90 °.

Both tanks are equipped with **stabilizing feet** (2 rear and 1 lateral which ensure stability during unloading).

Multi Press & Multi Tank

**MODEL
CAPACITY
VEHICLE**

Multi Press e Multi Tank
from 6 to 10 m³
Isuzu, Mitsubishi, Iveco

(in base of the request of a client, also can be built on other vehicles where it's possible making it)



Officine
urban vehicles

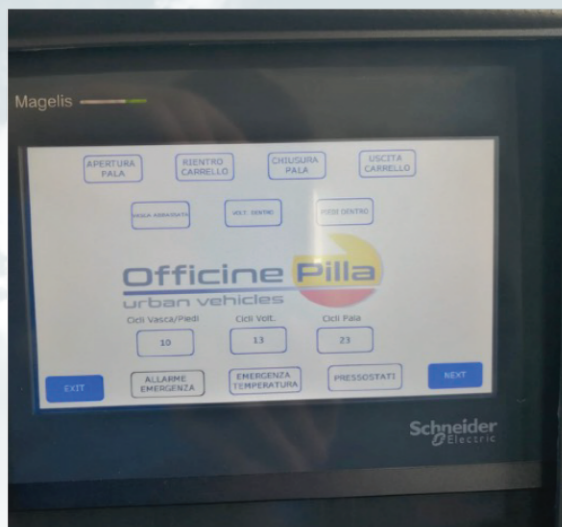


Optional:

The equipments are equipped with functions that make them "**MACHINE INDUSTRY 4.0**"

The equipment is equipped with an **M251 PLC** with double Ethernet port, one of which is connected to the modem router for remote connection, and the other to the operator panel (both located in the cabin).

PLC is installed in the compaction control panel located on the rear right side of the vehicle, (see photo 1)



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This **PLC** is able to provide a multiplicity of information that can be displayed on the latest generation control panel mod. **MAGELIS SCHNEIDER 7.5** inch LCD touch screen, (see photo 2).

The data that can be displayed are:

- Blade opening;
- Return trolley;
- Shovel closing and trolley exit;
- Raised / lowered bowl;
- Volta out of shape bins;
- Extended / retracting stabilizing feet;
- Oil temperature;
- Hour counter.



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Alarms:

- Emergency Stop;
- High temperature hydraulic circuit oil;
- Pressure switches malfunction.

In addition, the data relating to the cycles are stored of work:

- Number of shovel and compacting trolley cycles;
- Number of cycles turn bin;
- Number of unloading cycles;
- In addition, up to 20 are stored in the cycles times the use of the emergency stop buttons.



3.

All the data appearing on the operator panel can be extrapolated from the **PLC** remotely using username and password, this is possible thanks to a **RUT230 3G** modem router which with a special dedicated **SIM** allows both the connection and the display of the data and information necessary for both remote assistance and software modification. In addition, the router is equipped with **WI-FI technology** that can be used within the signal coverage range where it is possible to connect and view all data from your smartphone and / or tablet via IP address (photo 3).

The whole apparatus has been designed and complies with the Protocol **MODBUS tcp-ip** on **ETHERNET** and unique IP address.