

MICRO press



**MODEL
CAPACITY
VEHICLE**

**micro Press
from 3 to 4 m³**

Porter maxxì Plaggio, Giotti Victoria

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

Officine
urban vehicles



MICRO PRESS

Small size, manageability, high payload and low cost make **micro Press** a unique equipment of its kind, particularly suitable for the collection of plastic, cardboard, glass and umid waste in historic centers in areas with limited operating spaces.

- Equipment made of steel S255) e/o S355), Strenx 960 CR, Stainless Steel or Aluminum of adequate thickness;
- Continuous welded structure;
- Volumetric capacity from 3 to 4 m³ approximately;
- Total tank coverage to prevent waste volatility during the transfer phase;
- Constipation equipment is composed of a cold formed steel sheet shovel with tine fork, rammer trolley with lateral sliding guides for translation;
- Electro-hydraulic operation composed of electrically controlled dynamic oilgroups managed and coordinated by a PLC;
- Hidraulic oil system consisting of the electro clutch unit with self compensated pump;
- Equipment located on the rear right side of the body and in the driver's cab, including buttons and selectors for compaction operations, unloading of waste with a 90 ° overturning system of the free discharging tank or in universal mouth compactors, and inversion function of the compaction cycle;
- Hand's control of the box vault, block valves and pressure limiters;
- Stabilizers placed behind the vehicle with dynamic oil control;
- The device turns the bin turner model **Barracuda** with fully vertical climb, composed of hydraulic comb for 120/240/360 lt bins (660lt on request);
- Compaction cycle 22 seconds, complete cycle turns bin 22 seconds;
- Possibility to install various options on the equipment on request.

There are retro reflective bands in accordance with standards, warning light in the cabin for signaling raised body, buzzer in the cabin for signaling raised body, external reversing buzzer, safety props for maintenance operations, approved front and rear rotating orange lights, emergency stop button, Parachute valves on the body cylinders, adhesive labels for instruction and use and maintenance manual.



Container lifting system



Rise of the tank of 90°

MICRO PRESS

The equipment complies with the machinery directive 2006/42 **CE** and **EN1501** and subsequent modifications with relative marking

Built with high quality materials according to production processes subjected to quality controls according to the standards: **UNI EN ISO 9001: 2015** and the environmental management system is regulated according to the standards **ISO 14001: 2015**.

OPTIONAL:

micro Press equipment equipped with functions that make it " **INDUSTRIAL MACHINE 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 second to the operator panel (both located in the cabin). The **PLC** is installed in the compacting control panel located on the right side rear of the vehicle (see photo 1);



photo 2

The **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;
- Trolley return;
- Blade closing and trolley exit;
- Raised/ Lowered tank;
- Vault bins for out of shape;
- Extended stabilizing feet/ re-entering;
- Oil temperature;
- Hour counter.

MIRA-ASS



photo 1

ALLARM:

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

Also, the data relating to the work cycles are stored:

- Number of cycles of shovel and constipation trolley;
- Number of bins turn cycles;
- Number of discharge cycles
- The cycles also store up to 20 times the uses of the Emergency Stop buttons. (see photo 2)



All the data appearing on the operator panel can be extrapolated from the **PLC** remotely by username and password, this is possible thanks to a modem router **RUT230 3G** which with a special dedicated **SIM** it allows both the connection, the visualization of the data and the necessary information and for the remote assistance that modification of the software.

In addition the router is equipped with **W1-F1** technology that can be used within the range of signal coverage where from your smartphone and / or tablet via **IP** address it is possible to connect and display all data. (photo 3)

photo 3

All the equipment has been designed and observes the **MODBUS tpc-ip** protocol on **ETHERNET** and a unique **IP** address.