MICRO press

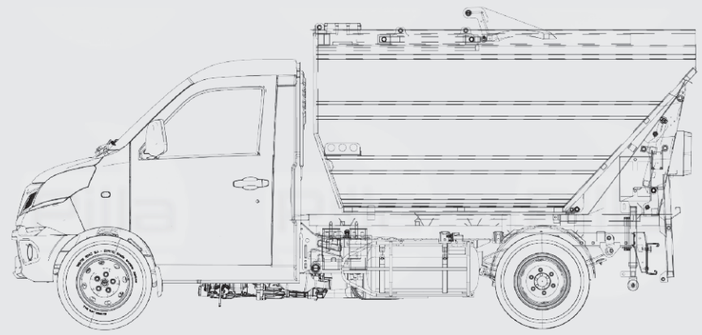
MODEL
CAPACITY
VEICOLO

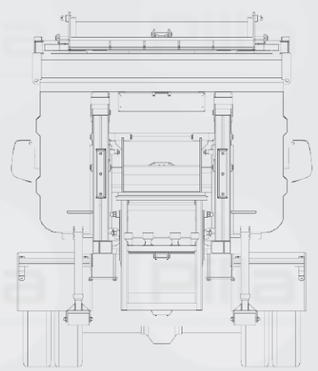
Micro Press
from 3 to 4 m³
Porter Piaggio NP6 ruota gemellata,
Giotti Victoria
(in base of the request of a client, also can be built on other vehicles where it's possible making it)

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 S255J** and/or **S355J**, **Strenx 960 CR**, **Stainless Steel** or **Aluminum** of adequate thickness;
- Continuous welded structure;
- Volumetric capacity **from 3 to 4 m³** approximately;
- Total **tank it's covered** 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 It bins (660It on request);
- Compaction cycle 22 seconds, complete cycle turns bin 22 seconds;

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.





The equipment complies with the **machinery directive** 2006/42 CE and **EN1**501 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 environ-mental management system is regulated according to the standards ISO 14001: 2015.

Officine Pilla
urban vehicles

Optional:

Micro Press equipment equipped with functions that make it **"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 *(located in the right box)* for remote connection and the second to the operator panel *(located in the cabin)*. The **PLC** is installed in the control box on the rear right side of the vehicle *(see photo 1)*.

.1

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 "LCD touch screen, *(see photo 2)*

The data that can be displayed are:
Shovel opening, trolley retraction, shovel closing and trolley exit;
Lowered tank, oversized bins vault, extended stabilizing feet;

Alarms:
Emergency Stop;
High temperature hydraulic circuit oil;
pressure switch malfunction.

In addition, the data relating to the work cycles are stored:
Number of shovel and compaction trolley cycles;
Number of cycles per box;
Number of unloading cycles.
The cycles also store up to 20 times the use of the emergency stop buttons.

.2

All the data that appear on the operator panel can be extrapolated from the PLC remotely through the Link:

IP 10.VPNINSTANCE: ***** / WEBVISU.HTM

This is possible thanks to a RUT240 4G modem router which with a special dedicated SIM allows both the connection and the display of data and information necessary for both remote assistance and software modification.
One of the determining factors for industry 4.0 is definitely bidirectionality. *Officine Pilla* offers a very clear and precise system. If there is a problem with the pressure switches or the oil temperature is not sufficiently adequate or an operator presses an emergency button (placed at each corner of the equipment) an email will arrive in the office which will have the vehicle plate as its subject and as noted the alarm found. On the web page, remotely, through the "emergency stop" command, it is possible to block the compaction cycles of the shovel. The operator, after unlocking, using the "start" button located in the plc box (located at the rear of the vehicle), will receive a note to the office (via e-mail) specifying the consent to restart the compaction cycles. *(photo 3)*

.3

The whole device has been designed and observes the MODBUS tpc-ip protocol on ETHERNET and unique IP address.
The router is equipped with WI-FI technology that can be used within the signal coverage range where from your smartphone and / or tablet via IP address, it is possible to connect and view all data.
It is possible to connect to the wi-fi router through the name "Pilla ***" at the following link: 11.11.148. *

4.

The latest generation magnetic **GPS** Tracker *(photo4)* allows not only to know where the vehicle is but also to have a track of the route it has traveled with excellent precision.
It is possible to monitor in real time via the website **https://mytkstar.net** where you can observe the movements of the **GPS Tracker** through a map, it is possible to enable some exclusive features such as the **Geo-fence**, an option that will allow you to track a radius in the map within which your tracker will have to remain, leaving the traced radius you will be notified through a text message or notification.
It is possible to perform monitoring in real time through the application compatible with **iOS** and **Android**.
In order to use the application from a smartphone you must enter some data such as the IMEI and the device password. The IMEI is located on an adhesive plate attached to the magnetic part of the GPS while the default password is 123456 which you can change via the APP or the website as soon as you log in.