



**mini
press**

**MODEL
CAPACITY
VEHICLE**

Mini PRESS
from 5 to 10 m³
Nissan, Mitsubishi, Iveco, Isuzu
(in base of the request of a client, also can be built
on other vehicles where it's possible making it)



Quality, Reliability, Performance and durability make the **Mini Press** one of the best equipment currently on the market.

- Made of **S255J** and / or **S355J** steel, **Strenx 700**, **Aisi 304** stainless steel, **Hardox 450** or **Peralluman** aluminum;
- **Continuously welded** and *watertight* structure;
- Volumetric **capacity** from about **5 to 10 m³**;
- **Total coverage of the tank** to prevent the volatility of the waste during the transfer phase;
- The **compaction** equipment consists of a **cold-shaped** steel sheet shovel with **tine fork**;
- **Constipation trolley** that slides on guides obtained in the side walls of the tank;
- **Electro-hydraulic operation** consisting of electrically controlled hydraulic units managed and coordinated by a **PLC**;
- The movement **controls** in the equipment are located on the **rear right side** of the body and in the **driver's cabin** (up / down), including buttons and selectors for compacting operations with single, continuous and manual cycle and reverse function.

Waste discharge **with 90 °** tilting system of the tank at free dump or in compactor vehicles with universal mouth.



Officine
urban vehicles



Standard accessories:

Oil-dynamic control stabilizers placed at the rear of the vehicle.

For all means there are:

rear video camera with **LCD** monitor in the cabin (over **35 quintals**), warning light in the cabin for signaling the body raised and **PTO on**, buzzer in the cabin for signaling the body raised, external reverse buzzer, safety props for maintenance operations, double lights orange light approved rotary switches, emergency stop buttons on all work areas, parachute valves on the body cylinders, adhesive instruction labels, use and maintenance manual.

and maintenance manual.

On request it is possible to add:

Bin vaulting arms, Bologna connection for 1300/1700 liter containers, DIN1300 / 1700 linting bin vaulting arms, hydraulic bag applied to the bin vault and / or fixed container applied to the bin vault, double door, shovel and broom support, lid opening device overhead doors, equipment check control in the driver's cabin, toolbox, one or two approved operator platforms.

The equipment complies with the **Machinery Directive 2006/42 EC** and **EN1501** and subsequent amendments with relative marking. Built with high quality materials and according to production processes subjected to quality controls according to the **UNI EN ISO 9001: 2015** standards and the environmental management system is regulated according to the **ISO 14001: 2015** standards.

Optional:

Mini 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).



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.



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)



The whole device has been designed and observes the MODBUS tcp-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. *



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

4.

<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.

