

DYNAMIC

COMPACTA

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Azeddine Maghraoui

M. +34 635 026 903

amaghraoui@prensoland.com

EL SARI EL OULA

Al Furnage km7

Tripoli

LIBYA

Mr. Seddik

Tel: 00218 912122777

E-mail:



PRENSOLAND: COMPACTA MACHINERY

The COMPACTA machines and installations, manufactured by Prensoland since 1959, have been recognized worldwide for their robust construction and excellent quality of finished products.

Continuing our tradition, our equipment incorporates the latest technology to the highest standard enabling high production levels, excellent product quality to exceed market demands and with the advantage that our equipment requires a minimum of maintenance.

A wide range of possibilities are available, from a simple production plant to a fully automated circuit to supply a vast market. We can offer our Customers all types of solutions and automatic equipment to minimize production costs.

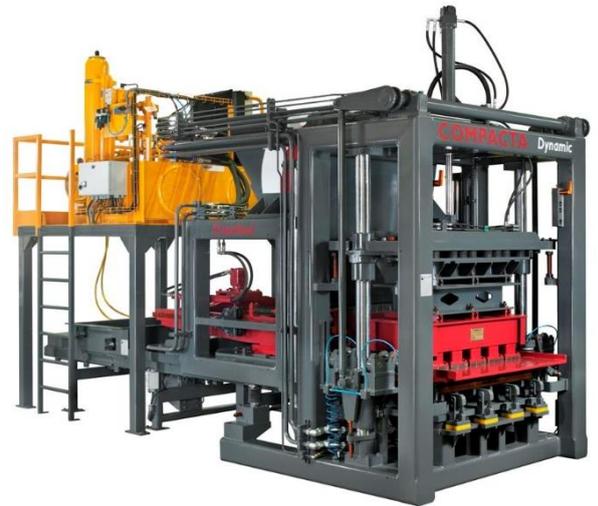
We continue working and investigating to improve our equipment, offering solutions to be at the forefront of progress and meet all the needs of our Clients in their respective markets.



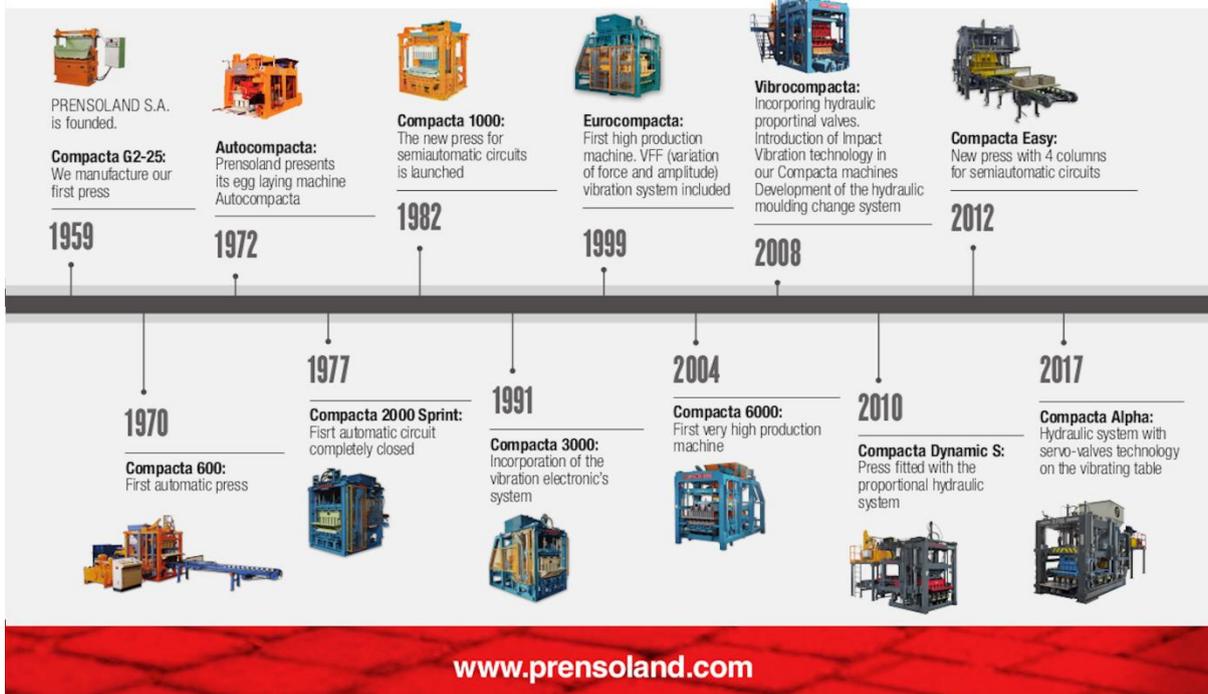
FOREFRONT TECHNOLOGY TO THE CUSTOMER SERVICE

PRENSA DYNAMIC (VTD)

- **Production Pallets:** 1400x750x45 mm.
- **Manufacturing height:** 40 mm (min.)/
300 mm (max.)
- **2 motor VTD vibration system** with mechanical synchronization of the masses.
- **Vibrateur strength:** 15.000 daN
- **Vibrator maximum power:** 13,2 kw
- **Press total power:** 36,3 kw
- **Manual adjustment of the product to be manufactured** without the need for tools.
- **Weight:** 9.000 kg
- **Hydraulic System with servo-valves technology.**
- **VTD Impact Vibration System**



Compacta | Evolution 1959 – 2017



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S-CONTROL

This features the latest IT, electrical and hydraulic techniques to ease the use of the installation to the operator.

Among them:

- Browser of the system with graphic menus and friendly use to speed up the learning process.
- Different user passwords for the set-up of the press operation parameters.
- Smart production system to monitor the press parameters at all time, while setting up or suggesting the necessary adjustments to an optimized duty.



The system achieves great uniformity in the compaction and resistance of the pieces obtained.

E-CONNECT

- Technical assistance service via internet.
- Possibility of remote connection via intranet to control the productions, consumption, and manufacturing times.
- Control of the complete installation through mobile phone.

VTD VIBRATION SYSTEM

- VTD Vibration with mechanical synchronization of the masses.

HIGH-END COMPONENTS:



COMPACTA DYNAMIC: CIRCUIT E

Compacta DYNAMIC Press Machine equipped with hydraulic unit. VTD Vibration System by impact with electronic variation of the force, meaning amplitude, and the frequency. It consists of two eccentric masses driven by one servomotor each one, which are controlled numerically in a master-slave configuration. Mechanical system to set the height of the hopper and the feeding drawer assembly. The machine has been designed to accept fabrication from 40 mm to 300 mm on pallets of dimensions 1.200 x 750 x 45 mm.

Pallets feeder to the Press, with pushing mechanism driven by a motor with gearbox, and a frequency converter provides a progressive acceleration and deceleration to the smooth movement. Deposit for 5 pallets.

Pallets conveyor, from machine by belts to the elevator. Operated by gear motor with electronic speed variator. Equipped with roller section and pallet lateral guiding pieces.

10 Storeys Elevator, with rotary brush for cleaning the pieces and protection against pallets falling.

10 Storeys Transfer-Finger Car (20 Pallets), 14,5 t capacity, with a pitch of 500 mm, electric, programmable, with electric installation for 25 curing chambers (maximum) of 26 m profundity, fitted with a control cabinet with programmable logic controller, synoptic table, touch screen and #4 driven wheels. Equipped with security protections, acoustic and light warning device and emergency stop.

10 Storeys Lowerator, with protection for pallets falling and vertical rollers for pallets input.



Pallets conveyor at the output of the lowerator, powered by a reduction motor with a progressive acceleration system using a frequency converter.

Automatic Transverse Palletizer Granty PT-6 type, with numerical control, hydraulic power unit and independent electrical control panel. Programmable logic controller, LED display and HMI touch screen for the control of the palletising. Four sides palletisation and 360° rotating clamping mechanism, level counter. Load capacity of 600 kg.



Rotating Brush for cleaning of pallets, driven by an asynchronous motor with gearbox. Fitted with protection panels.

Pallets Transfer Mechanism exit from lowerator to the pallets Tumbler. Powered by a reduction motor with a progressive acceleration system using a frequency converter.

Pallets Tumbler, powered by a reduction motor with a progressive acceleration system using a frequency converter.

Oil Protection device for the production pallets, Spraying system

ROLLER CONVEYER roller conveyor to transfer the cured products to the stock yard
With 18m length.

OPTIONS:

- Set of 4 moulds to produce blocks.
- Set of 3000 wooden production pallets 1400x750x45mm.
- Horizontal automatic strapping machine to ensure delivery pallets.

ASSEMBLY AND START-UP COMPACTA DYNAMIC INSTALLATION

COMPACTA DYNAMIC INSTALLATION: FIRST PHASE

2 technicians.

Our assembly includes airline tickets, hours and subsistence allowances, and labor. Accommodation, maintenance and internal travel by the client.

The Client must make available to our technicians:

- 2 1st mechanic officers
- 1 1st electrician officer
- The necessary tools requested by Prensoland

COMPACTA DYNAMIC INSTALLATION: SECOND PHASE

2 technicians.

Our assembly includes airline tickets, hours and subsistence allowances, and labor. Accommodation, maintenance and internal travel by the client.

The Client must make available to our technicians:

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