

Tecnologie per un Mondo più Pulito



HORIZONTAL COMPACTOR

Tecno Costruzioni is proud to show the brand new Compaction Press.

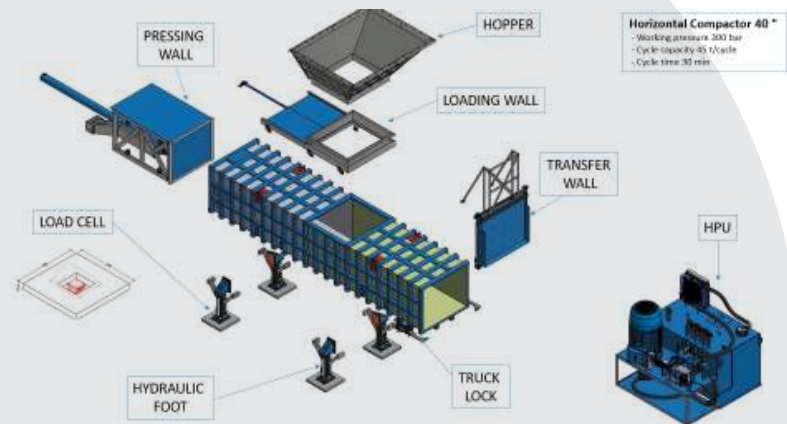
The machine has been conceived to solve problems related to the stocking and transport of big quantities of waste. It is used to reduce the volume of MSW, organic biomass, plastics, cardboard, etc.

This happens thanks to a high pressure compaction process, this is obtained through a hydraulic piston exerting a force of about 1500 kN.

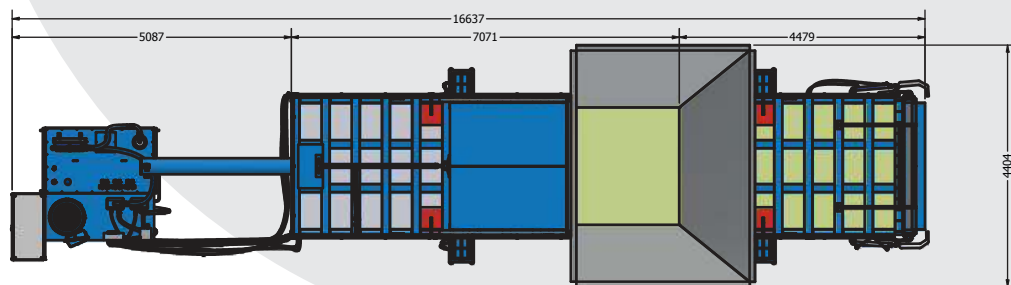
Thanks to this compression force, the generic volume of waste is converted into 23 m³ high-density bales, allowing for higher efficiency in the transport and optimizing costs related to the stocking of waste.

In relation to MSW with an initial density of 350 kg/m³ it is possible to press them till a density of 800 kg/m³ that corresponds to half the initial volume.

It is possible in any case, upon customer's request, to increase the compaction force, reducing the waste volume accordingly.



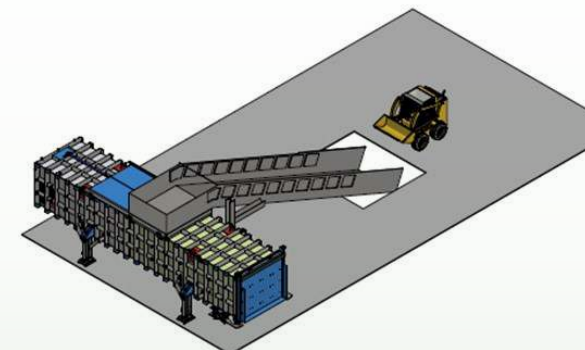
MAIN DIMENSIONS



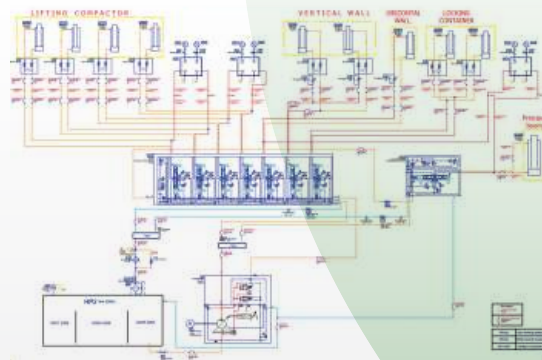
ADJUSTING SYSTEM

The best product in its category, it offers the chance to regulate the height of the whole structure, in a way that it can line up with different kinds of trucks, allowing the transfer of any compacted material.

A cheaper option is also available, using fixed feet instead of adjustable hydraulic ones.



P&ID COMPACTOR



DUTY CYCLE

Thanks to a conveyor belt, the cycle begins when loading the material into the dedicated chamber of the compactor.

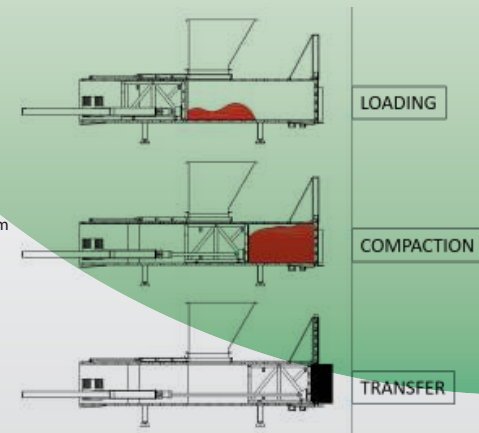
Once the maximum volume has been reached inside the chamber, the compaction process will start.

At this stage a piston will move the waste located in the front part, allowing for more space in the loading chamber, and as a consequence, increasing the mass present within the compactor.

This process will go on until maximum production or loading volume will be achieved.

As soon as one of the two conditions gets satisfied, the Compaction Press will carry out a final compacting process, then it will transfer the load into the truck.

After transferring the mass, the machine's PLC system will reset the parameters and prepare the loading compartment for the next cycle.



TECHNICAL FEATURES

Types of waste treated: MSW, paper and cardboard, plastics

Truck alignment: predetermined height / with hydraulic adjustment system

Compaction force: 1.500 – 2.600 kN

Power: 110 – 200 kW

Production capacity: 20 - 40 Tons

Machine dimensions: 13600 x 2500 x 2500 mm

Compaction speed: 20 tons per cycle

Cycle time: 10 minutes





Please visit our website at
www.tecnorecycling.net

Franco Barone, founder of Tecno Costruzioni, has been working for many years with the greatest manufacturers of the automotive field, such as FCA – Fiat Chrysler Automobiles N.V. He and his team have also been active in the recycling world for more than 40 years.

01 Material compaction

The system has been conceived to solve problems deriving from the stocking and transport of consistent quantities of waste.

02 Volume reduction

Volume reduction allows to increase the weight with ratios of 1:4 so that 1 m³ will be four times heavier than average.

03 Integration options

Our recycling machines can be assembled following the layout of a transfer station. Automated recycling lines allow for time and cost savings.

04 Custom-built machines and systems

Our team of qualified engineers is ready to support your company in the design and implementation of customized systems and machines for any specific need.



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HORIZONTAL WASTE COMPACTION STATION

THE MOST ADVANCED TECHNOLOGIES FOR WASTE COMPACTION



MADE IN ITALY

