

OMNIPRESS
800

ROTARY COMPACTOR

VARIG
Teknikk & Miljø



OMNIPRESS 800

Electrical rotary compactor conceived to press different waste materials into round bales.

GENERAL FEATURES

Compact design

OMNIPRESS 800 has a solid structure. All its mechanical parts are extremely heavy-duty, thus the machine is suitable also for operators who need to use it intensely.

Flexibility

Its dimensions and its light weight make it possible to use OMNIPRESS 800 in every environment. The machine can be moved by means of an ordinary forklift, a manual pallet truck or by using its trolley.

OMNIPRESS 800 can press different kinds of waste materials reducing the original volume up to 70-75%.

Unlike vertical and horizontal presses OMNIPRESS 800 can also bale expanding materials such as foam rubber. This specific feature allows to overcome any need for temporary storage of bulky waste materials. A special drawer positioned at the bottom of the machine collects the pressing residues such as cardboard dust, making the working environment always clean and tidy.

Simplicity

OMNIPRESS 800 is always ready-to-use. The operator only has to place the material to be pressed in the opening. The machine automatically carries out the next processing phases, which the operator can easily monitor through the control panel located on the machine front.

The special devices OMNIPRESS 800 is equipped with make it an easy, quick and safe compactor.

Safety

OMNIPRESS 800 is equipped with adequate safety devices such as the emergency switch and the safety bar (Council Directive 2006/42/EC). The safety bar stops the machine when the operator comes into contact with the material feeding opening. The safety frame then ensures a suitable distance is maintained from the bale discharge door. A sensor prevents the potential overload of the baler due to particularly bulky materials, which can be easily removed by reversing the direction of the feeding chain.

OPERATING PRINCIPLE

OMNIPRESS 800 is ready to be used at any time. After the operator has put the material in the machine feeding opening (fig. 1), a heavy-duty chain consisting of steel profiles transfers the material into the pressing chamber. A photoelectric sensor makes the compactor start and stop automatically when material is present or absent in the feeding opening. The operator positions the wrapping film or net (fig. 2). Thanks to their rotational movement the steel rollers achieve a good pressing level up to the net cutting phase (fig. 3), to the complete binding and bale formation and its automatic discharge (fig. 4 and fig. 5).

As an alternative the full-automatic version, **OMNIPRESS 800 automatic** carries out automatically the complete binding phase, the net cutting phase and the bale discharge.



WHAT TO BALE

Unlike most hydraulic presses OMNIPRESS 800 can press a wide range of materials such as:

- wooden crates (1)
- plastic crates (2)
- films (3)
- fabrics (4)
- cardboard boxes (5)
- plastic bottles (6)
- aluminium sheet (7)
- padding (8)

OMNIPRESS 800 can successfully bale also expanding materials such as, for example, foam rubber: the special design of the rotating pressing chamber enables to achieve an optimum pressing of these materials. The bales produced by OMNIPRESS 800 have a uniform size that enables a simple and rapid storage.



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TECHNICAL SPECIFICATIONS

Height	1,850 mm
Total height including roll holder and roll	2,150 mm
Width	1,154 mm
Depth	1,362 mm
Platform height	150 mm
Weight	980 kg
Installed power	3.2 kW
Voltage	400 V / 50 Hz / 3-F
Productivity *	400 - 600 kg/h
Feeding opening dimensions	800 mm (L) x 560 mm (H)
Bale size	400 mm Ø x 800 mm
Bale weight **	15 - 40 kg
Noise level	< 75 dB

* depending on the material type

** depending on the material type and on the pressing level set by the operator

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