



DEPEMAT

AUTOMATIC DEPALLETZER



The DEPEMAT depalletizer is a fully automatic machine that has been specifically designed to remove plastic bottles in a simple and reliable manner from their pallets before introducing them into the hopper and elevator for the POSIMAT unscrambler

It is a very reliable system for bottling lines that **ensures continuous operation without operators** or accumulation tables, as well as providing **an effective solution for maximizing space.**

Posimat automatic depalletizers are able to handle up to 200 trays per hour. They have an unloading height of up to 2.4 m and can have several storage stations of full pallets on standby.

Depalletizing is performed automatically by means of pneumatic and mechanical drives. POSIMAT also offers a semi-automatic depalletizer. It is very compact, simple and easy-to-use unit that requires very little maintenance. *For more information, please contact us.*



Operation

The full pallet is deposited on the conveyor (1), the tape and plastic film wrapped around it is removed manually and we then move it automatically into the machine (2).

When the pallet is inside the body of the depalletizer (2), it is raised by means of a lifting device to a predetermined point.

A suction pad system (3) removes the upper tray or slip sheet, usually made of cardboard or plastic and that covers the top layer of the pallet, and deposits it in the tray storage magazine (4).

An electronic device (5) then pushes this first layer of bottles, allowing them to fall onto a receiving hopper with a conveyor and elevator (6), which transports them to the POSIMAT unscrambler

The pallet is raised once more to the predetermined point, where steps 2 and 3 will be repeated successively until the pallet has been emptied.

The lift system lowers the empty pallet and transports it to the empty pallet storage magazine (7), while at the same time another full pallet enters the machine and the whole cycle starts again.

