

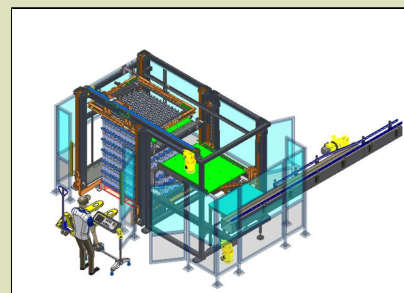
## AUTOMATIC DEPALLETISER MOD. "D3 - SWEEP OFF SYSTEM"



Machine suitable to depalletise new bottles from pallet with overlapped layers transferring the complete layer with a vertical movement of the pallet and platform with electromechanical control and with horizontal movement of the head with electromechanical control.

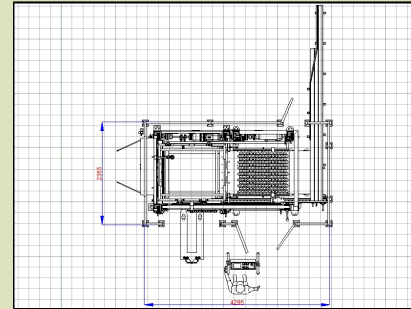
### Features

- Manual pallet in-feed in a pallet containing box.
- Full pallet lifting to the maximum height with electromechanical control. The vertical movement happens on hardened stainless steel joined to the column with trolleys with spheres recirculation and counterbalance inside it.
- Maximum height control detector that gives the signal of start to the horizontal movement of the layer to be depalletized.
- Transferring of the layer of bottles to be depalletised by means of a carriage with four containing guides, from pallet to the moving platform. Movement of the head with electromechanical control, on horizontal axis, on tempered steel guides and with spheres recirculation trolleys; motorization managed by inverter and positioning managed by encoder.
- Device to hold the layer-pad under the layer in transfert, electropneumatically controlled.
- Moving platform that receives the full layer of bottles, with vertical movement electromechanically controlled with motorisation managed by inverter. Movement on tempered steel guides with spheres recirculation trolleys joined to the column with counterbalance inside it.
- Layer-pad manual removal on the platform, low position, before bottles sweep-off.
- Pushing unit electromechanically controlled that allows bottles transferring to a second platform and then to the lining table; the motorisation is managed by inverter.
- Fixed platform, lenght approx 500 mm, to receive and transfer bottles from the moving platform to the lining table.
- Lining conveyor positioned at 90° with different speeds chains, to make bottles lining easier. Stainless steel frame, adjustable



guides, supports, acetal plastic chain, towing head, variable speed motor (gearbox), control sensors to detect the done lining and the overflow.

- Mechanic system with a moving rolling guide for bottles lining on a single row.
- Centralized electrical panel.
- Machine managed by a PLC Siemens S7.
- Anodized aluminium frame safety guards, fence style panels on top and full panels on bottom.
- Safety barrier with photocells in the pallet manual loading area.
- Operator control board with touch-screen display PRO-FACE to control machines functions, the changeover and to diagnostic possible anomalies.



### AUTOMATIC DEPALLETISER MOD. D3

Output	n. layers/min	1 (2.000÷10.000 b/h)
Pallet conveyor	-	Option
Pallet stacker	-	Option
Automatic layer-pad remover	-	Option
Power installed	kW	5
Working pressure	bar	5/6
Compressed air	Dia	3/8
Air consumption	l/min	100
Product out-feed height	mm	On demand
Pallet max height	mm	2.300

Data sheets of equipment are not binding data