



Product Video

CONCETTI Group: Low Level Palletiser PS-AB/15S

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These Low-level Palletisers by Concetti are particularly suited for medium speeds with stable bags with a well-defined shape. The connection to the filling lines, including previously installed ones, is thus very easy. The machine is composed of a rigid structure with a vertical frame sliding on it and this sustains the trapdoor mechanism for unloading the bag layer on the pallet being formed.

The full bags coming from the filling line are conveyed to the orienting device and the row-formation roller conveyor. When the bags arranged in a programmed palletizing pattern form a row, the pusher conveys them to a temporary parking area and when the rows being formed complete a layer, the layer is conveyed by the pusher to a trapdoor incorporated on the mobile frame.

At the end of this operation, the mobile frame is raised until it reaches the height of the pallet being formed, above which the layer is transferred when the trapdoors close. It is centered as it is compacted on all four sides. At this point, the trapdoors open and unload the layer onto the pallet being formed. The frame then descends to the reference height of the row-formation roller conveyor to continue with a new cycle.

Once the pallet has been loaded, it is removed via specific roller conveyors. The smooth operation of the machine cycle is supervised by the PLC. The different palletizing patterns for various formats are obtained through the programs present in the memory. Format-change operations are completed quickly without needing any operator intervention, thanks to the actuators mounted on the

machine and the control electronics that handle operations.

The low-level push-type palletizer comes complete with an automatic empty-pallet magazine and a full-pallet evacuation and parking roller conveyor. The low-level push-type palletizer comes complete with safety devices compliant with current EC standards.