AXIPACK 100 PACKER
TOP LOAD CASE PACKER FOR PARTITIONED RSC CASE & SELF ADHESIVE TAPE TOP SEALER

NEW AND INNOVATIVE PACKAGING SOLUTION

Ape Impianti designs and manufactures packaging plants for the beverage industry. The company’s philosophy originates from its history: experience and creativity working for the customer, to enable him to be competitive and innovative on the market. Therefore the company has been constantly building brand loyalty and subsequently, Ape Impianti market share has been continuously growing.

Fully automatic packer inserts bottles in the formed cardboard cases. Intermittent motion machine moved by a Gantry 2-axis robot system ensures high production speed and accurate performance. Vertical and horizontal axes, independently controlled, allow to set different pick and place positions in a wide operating range. Servo-controlled motors and resolvers allow extremely precise movements, variable speeds during the different phases of the packing cycle, securing a soft and balanced extremely precise movement while bottles are inserted into packs. A sturdy structure in painted carbon steel holds the axes, which are supported by carbon steel linear guides whose size has been calculated to last for long time and endure work on more shifts.

Complete with:
- Touch-screen control panel for simple use
- Programmable logic control - PLC SIEMENS S7 - 1200
- Automatic bottle height adjustment set on control panel
- 1-lane bottle feed conveyor with propylene chains at low friction coefficient
- Control that monitors the presence of bottles
- Safety guards with polycarbonate panels and aluminium frame

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OPERATIONS PERFORMED BY THE MACHINE (CASE PACKER & TOP SEALER)

- The operator places empty cases over conveyor with short flaps down.
- Long flaps are opened by passive flap opener. (*Active flap opener is an option 4 ft longer)
- Cases move to filling position and stops under centrator.
- Special blades on centrator device provide a precise centering of partition cells.
- A single line bottle infeed and a 4x3 pattern is prepared on the table under head position.
- Head moves over the bottles, descents and stops automatically at the right height.
- Pneumatic grips pick bottle necks and lift, transfer and softly place bottles in the case.
- Head moves over the table, centrator lift up and a new case enter.
- Full case moves-on, short and long flaps are closed by active repack closer device.
- Case is sealed by a self adhesive taping head on the top. (*bottom sealing is an option)