



Automatic Case Packer Machine for Cosmetics / Hair Care / Skin Care Products



This fully automated carton box packing machine is able to complete all the procedures in case erecting, case packing and case sealing all at once including flat carton fetching, case forming, products filling-in and automatic sealing as well as full carton discharge. It makes the process much simpler and more continuous than manual and semi-automatic carton opening, loading and sealing. For carton sealing, hot melt adhesive tape is used to make the process healthier and the finished carton look much tidier and more beautiful.

Operating Principle:

- 1) Bottle/package feeding: Bottles/packages are conveyed onto infeed conveyor, then through guiding plate to vibrating station to prevent blocking, after which the bottles or packages will be separated into different lanes as per customer's requirement by the separating plates.
- 2) Flat carton magazine: It can store approximately 200 PCS flat carton. The flat cartons will be taken one by one by a mechanical arm with vacuum sucking device and then put on the inclined conveyor to be conveyed to the filling station.
- 3) Bottle/package separating: Separating the bottles/packages from infeed conveyor as per customers' requirements and then conveyed to the filling station.
- 4) Bottle/package pushing: The pusher gather the scheduled bottles/packages and then push them onto the ready-to-fill position.
- 5) Folding, gluing and shaping: Flat carton is folded, glued and pressed by mechanism on folding conveyor to shape an open carton box.
- 6) Filling-in and sealing: A mechanical arm or a pusher put the scheduled bottles/packages into the carton box and then conveyed out to seal and discharge.

Features:

1. Use continuous in feeding method to increase carton box supply speed and decrease the overall cost of the case packer machine;
2. Accurate positioning of fixtures and products to ensure 100% taking and encasing of the products;
3. Brand-name key and moving components to enable the machine stable running, easy maintenance, and long service life.
4. Adopt HMI system for easy operation, fast communication and strong diagnosis ability. High automation grade, each step is controlled by PLC system and executed accurately by field mechanisms as programmed.

Technical Data:

Carton sizes	Customized according to samples
Feeding height	Based on the actual conveying height
Capacity	8-30 carton/min (can be customized)
Rated powder	6 KW
Power supply	380V 50/60Hz
Air source	0.6-0.8Mpa
Packing format	One layer or multi-layers