

## ***Brick Shape Carton Aseptic Filling Machine BSP-2000***



Main Feature: Disposable auto-complete feed, sterilization, box making, filling, forming, sealing action, the molding of composite materials using hydrogen peroxide spray and high- intensity ultraviolet radiation and sterile hot air drying, packaging, materials completion of the aseptic chamber of the filling and after the filling of the seal are in a positive pressure conditions, thus ensuring a sterile packaging materials and materials to be packaged through a juice beverage after the UHT sterilization at room temperature shelf life of long up to one year. In addition, the aircraft PLC optical correction, frequency control, pneumatic solenoid valve, vacuum systems, liquid level control, smart electronic thermostat adjustment, automatic fault alarm system and sterile room, etc. Germany, Japan and other countries of the famous brand, the whole machine is used stainless steel, beautiful appearance, convenient operation.

- A. Pre-forming adopts an invention patent technology - Rectangular Pre-forming Method and Device, instead of Tetra Pak's Round-forming to make the machine more stable, performance more reliable and appearance more attractive.
- B. Paper-feeding adopts rolling, quantitative, sealing and shaping system and implements a multi-mop-type mechanical transmission system instead of Tetra Pak's mechanical clutch hand, making the machine more stable.
- C. Automatically complete the whole process of packing including steadily delivering paper, printing date and batch number, pre-sticking sealing strap, chemical and physical sterilizing, filling, horizontal sealing, shaping, cutting, corner gluing, sending out etc.
- D. Adopts the latest technology of modern optical-electro-mechanical Integration, Integrated Design and Precision Manufacturing. Adopt Closed-loop control technology to control tension, Photodetector, PLC calculation control, Touch human-machine interface, Monitoring, Radiant heat and high-frequency induction power supply, making stickers, vertical and horizontal sealing more secure and reliable.
- E. The main drive is mechanical type and the auxiliary drive is pneumatic type which is more Scientific and reasonable to make the machine works stable and runs freely.
- F. Roll-changing with non-top device is special designed to make the machine changes the paper roll and paper receiving without stopping.

**Parameter:**

| ITEM                  | BSP-2000                                                       |
|-----------------------|----------------------------------------------------------------|
| Packaging Capacity    | 500-1000ml                                                     |
| Packaging Speed       | 2000 box/h                                                     |
| Packaging Shape       | Brick Shape, Brick Slim Shape                                  |
| Packaging Material    | PE/PAPER/PE/AL/PE/PE Six Layer Aseptic Packaging Material Roll |
| Power                 | 35kw                                                           |
| Compressed Air        | 0.4-0.6Mpa, 1.0m <sup>3</sup> /min                             |
| Technological Process | Form Feed-Printing Date-Sterilizer-Filling-Shaping             |
| Operation Mode        | PLC control, interface operation                               |
| Shelf Life            | In 25-30°C, juice 12 months, milk 6 month                      |
| Dimension             | 4500×1600×4000 (mm)                                            |