

BSP-3000/4000 Brick Shape Carton Aseptic Filling Machine



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, Photo detector, 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.

ITEM	BSP-3000	BSP-4000
Packaging Capacity	125-350ml	125-350ml
Packaging Speed	3000 box/h	3000 box/h
Packaging Shape	Brick Shape, Brick Slim Shape	
Packaging Material	PE/PAPER/PE/AL/PE/PE Six Layer Aseptic Packaging Material Roll	
Power	25kw	30kw
Compressed Air	0.4-0.6Mpa, 1.0m³/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	3800×1400×3500 (mm)	4500×1600×4000 (mm)