

# Fully-automated Bag-in-Box Filling and Packaging Line



This China-Made **Fully-automated Bag-in-Box Filling and Packaging Line** is especially designed for food packaging and widely used for packaging spring water, post mix syrup, edible oil and beverage. Certainly it also can be used for packaging liquid soap, motor oil, diesel exhaust fluid (AdBlue/DEF), engine coolant. Built in China, but at high quality level.

The filling and packaging line includes: a **Bag-in-Box Filler**, a **Carton Erector**, a Bag Inserter, a **Carton Sealer**, Conveyors and other auxiliary equipment.



**Calmus**  
MACHINERY

## 1

## BAG-IN-BOX FILLER

MODEL NO.: BIBF600



This is a fully-automatic web-fed bag-in-box filler, designed for filling 2-25L spout bags with a wide range of liquids. This bag in box filler is especially for food packaging and widely used for packaging drinking water, post mix syrup coke, edible oil and beverage.

## FEATURES

- 1) Fully-automatic. Web type bag feeding ensures seamless and efficient processing.
- 2) Easy to use. The touch-screen control system makes operation easy.
- 3) An electromagnetic or turbine flowmeter employed improves filling precision and truly achieves the quantitative filling.
- 4) An air filter employed brings clean air to the filling space.
- 5) Grade 304 stainless steel body and 316L stainless fluid-contact parts.
- 6) Filling a different capacity bag acceptable only by changing the setting.
- 7) Options of vacuumization and nitrogen injection available for specific products use.

## SPECIFICATIONS

Applicable Bags	Pre-cut continuous module or WEB type, spout fitted, 2-25 litres bags
Filling Capacity	400-450 bags/hour for 5 litres, 360-400 bags/hour for 10 litres, 250-270 bags/hour for 20 litres.
Filling Accuracy	+/-0.5%
Power	Single-phase 220-240V/110-120V or customized, 1.0 kW
Compressed Air	6-8 bar, 25 NL/min

# 2

## CARTON ERECTOR

ERECTING CARTON AND SEALING BOTTOM WITH HOT MELT GLUE



### FEATURES

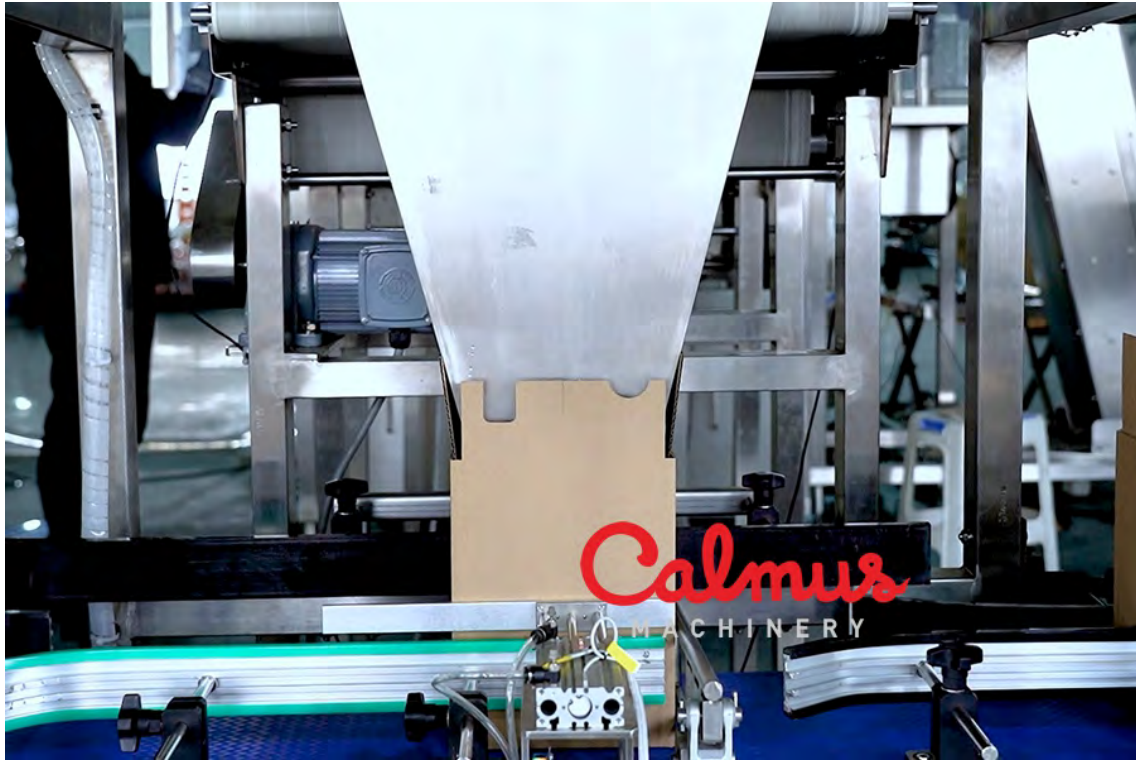
- 1) Servo-driven technology offers precise control and high-speed operation for forming cartons.
- 2) Erecting speed of up to 13 cartons per minute, meeting your production needs.
- 3) Optional 2-meter motorized conveyor for efficient storage of up to 100 carton blanks.

### SPECIFICATIONS

Erecting Capacity	Max. 12 Cartons/Min
Applicable Carton Size	L200-500*W120-400*H120-350mm
Applicable Carton Material	3 or 5 Layers Corrugated Cardboard
Power	750W
Compressed Air	6-7 bar
Air Consumption	200 NL/min
Carton Storage	100 pcs

# 3 BAG INSERTER

DROPPING FILLED BAGS IN CARTONS



## APPLICATION

This machine is especially for inserting/packing filled bags in cartons. It employs photoelectric system to control the hopper lift, so a bag can drop in a carton correctly.

## FEATURES

- 1) Unique dropping system to reduce impact.
- 2) Integrated carton top flap expander and full-case flattener ensure smooth, stable bag insertion and carton sealing.
- 3) Easy to change if a different product packed.

## SPECIFICATIONS

Inserting Capacity	Max. 10 Bags/Min
Applicable Carton Size	W120-350*L200-450*H180*350mm
Power	8kW
Compressed Air	6-8 bar
Air Consumption	300 NL/min



# 4 CARTON SEALER

CLOSING AND SEALING CARTON TOP WITH HOT MELT GLUE



## SPECIFICATIONS

Sealing Capacity	Max. 12 Cartons/Min
Applicable Carton Size	W150-500*L200-600*H120-500mm
Applicable Carton Material	3 or 5 Layers Corrugated Cardboard
Compressed Air	6-8 bar



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