

Automated Bag-in-Box Filling Line for Semi-Liquids

This automated line is designed for packaging shortening, margarine, butter and other semi-liquids in bulk. The system forms boxes, places and fills bags, and seals both the bags and box tops.



ADDITIONAL IMAGES



Overview

Automated Bag-in-Box Filling Line

This fully-automatic packaging line is engineered for high-efficiency bulk filling of semi-liquid products such as shortening, margarine, and butter. The integrated system manages the entire process from carton erection and bag insertion to precision weigh filling, vacuumizing, and final sealing. Designed for durability and hygiene, the line minimizes manual labor while ensuring consistent, high-quality output for industrial food packaging operations.

Technical Specifications

Production Capacity

300 boxes/hour

Maximum Output

Compatible Carton Sizes

L250-550 x W200-400 x H150-400 mm

Bag Width Range

460-840 mm

System Features

Process Workflow

- Carton erection and bottom sealing
- Poly bag insertion from roll stock
- Bag cuffing and air extension
- Weigh filling
- Vacuumizing and heat-sealing
- Top carton sealing (tape or hot melt)

Operational Advantages

Labor Saving, High Efficiency, Simple Operation, Easy Adjustment, Hygienic Design

Construction & Safety

Safety Mechanisms

- Emergency stop buttons
- Safety interlocked access panels

Materials

Stainless Steel, Aluminum

Control System

PLC controlled with user-friendly interface