

Automated Film Shrink Wrapping System for Bottles

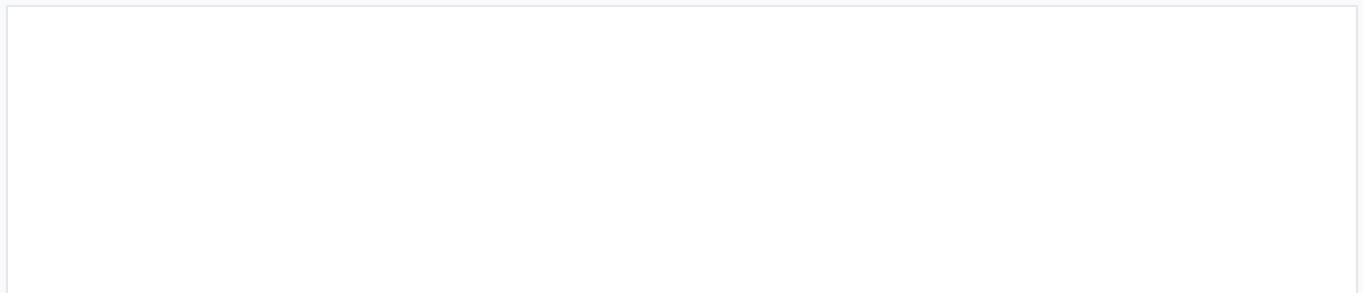
This automated system shrink wraps bottles using film. It is widely applied for the packaging of beverage, food, medical, and chemical products.



ADDITIONAL IMAGES



Overview



High-throughput shrink wrapping system integrated into a production line.

Automated Film Shrink Wrapping System

This advanced secondary packaging solution is designed for high-efficiency beverage, food, and pharmaceutical production lines. It enables seamless shrink-wrapping of square, round, or elliptical containers without the need for additional trays or cartons. The system integrates cutting-edge servo-motor control, film tension management, and pressureless bottle handling to ensure superior product stability and a professional retail presentation.

Technical Specifications

Supported Bottle Dimensions

50 mm

Minimum Diameter

90 mm

Maximum Diameter

200 mm

Minimum Height

350 mm

Maximum Height

Automation Capabilities

- Advanced photoelectric bottle, cardboard, and film detection
- Automatic film quantity counting via impulse monitoring
- Low film level automatic alarm system
- Constant temperature control for shrink passage
- Automatic film transmission and cutting

Control System Architecture

Component	Function
PLC	Core logical processing
Servo Motor	Synchronous motion control
Electromagnetic Clutch	High-precision transmission

Safety & Performance

Safety Standards

Safety Interlock Door, Automatic Emergency Stop, Pneumatic Transmission Control, Synchronous Electric Transmission