

# Automated Film Shrink Wrapping System for Bottles

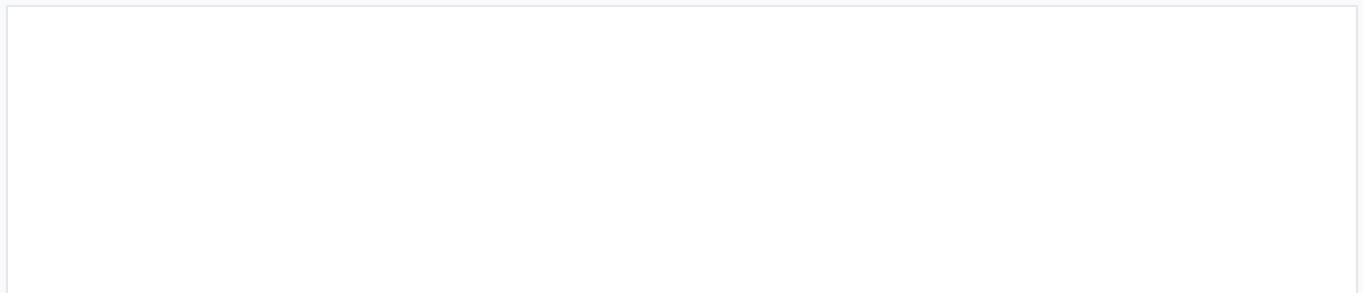
This automated system shrink wraps bottles using film. It is widely applied for the packaging of beverage, food, medical, and chemical products.



## 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