

One-Step Injection Stretch Blow Molding Machine

This integrated machine combines preform injection, stretch blowing, and ejection processes for enhanced energy efficiency and product quality. It produces finished bottles with uniform thickness, clear surfaces, and almost invisible parting lines.



Overview

Integrated Molding Solution

This one-step injection stretch blow molding machine combines preform injection, stretch blowing, and ejection into a single, fully automated process. By eliminating the need for reheating, the system significantly reduces cycle times and energy consumption. The integrated design ensures high hygienic standards, making it ideal for food-grade containers while producing bottles with superior uniformity, clarity, and rigidity.

Performance & Efficiency

Energy Reduction

50 %

Energy Consumption Reduction

50 %

Raw Material Savings

Control Technology

PID temperature control with full automatic control system

Drive System

Servo driven hydraulic pumps

Product Capabilities

Quality Characteristics

- Uniform thickness
- Clear surface
- Almost invisible parting line
- High transparency
- High rigidity
- No flash or sprue

Compatible Bottle Shapes

Plain round, Wide-mouth, Oval, Non-round, Ultra-light, Irregular

Operational Features

Design & Maintenance

- Compact structure
- Modular design for quick mold changeovers
- Low floor space occupation
- Servo motor drive prevents hydraulic oil pollution

Automation Level

Full Automatic Control • No Human Intervention Required