

Automatic 5L Bottle Filling and Capping Line

This automatic line is designed for handling large volume bottles from 3 to 7 liters. It features an automatic wash, fill, and cap machine with stainless steel parts and a PLC control panel.



ADDITIONAL IMAGES



Overview

High-Efficiency 3L-7L Bottling Solution

This automatic washing, filling, and capping line is specifically engineered for large-volume containers ranging from 3 to 7 liters. The system integrates advanced OMRON PLC controls with an intuitive text screen interface to ensure precise operation across all stages. Built with stainless steel 304L contact parts, it meets cGMP standards, making it an ideal choice for the beverage, food, and chemical industries seeking reliable, high-capacity production.

Performance Metrics

Key Performance Indicators

1500 BPH

Max Capacity

7 L

Max Bottle Volume

4 Qty

Work Positions

Technical Specifications

Technical Comparison

| Feature | DW-5L (Washing) | DFC-5L (Fill & Cap) |
|-------------------|-----------------|---------------------|
| Capacity | 800-1500 BPH | 800-1500 BPH |
| Power | 0.75kW | 0.75kW (220/380V) |
| Air Source Supply | 400L/min @ 8Bar | 600L/min @ 8Bar |
| Bottle Range | 3-7L | 3-7L |

Control & Automation

Control System

- OMRON PLC with easy-to-use switches
- Integrated text screen control panel
- No-bottle-no-filling protection mechanism
- No-bottle-no-capping safety system

Construction & Design

Material Quality

Stainless Steel 304L • cGMP Compliant • Transparent Safety Enclosure

Target Industries

Beverage, Food, Chemical

Filling & Capping Features

Filling Technology

Shut-off nozzle with balance return to prevent bubble formation

Capping Mechanism

Adjustable torque capping head for various bottle cover elasticities