

Automatic 5L Bottle Filling and Capping Line

This automatic line is engineered for filling and capping bottles ranging from 3 to 7 liters. It features a washing machine and a filling/capping machine, with outputs of 800-1500 bottles per hour.



ADDITIONAL IMAGES



Overview

High-Efficiency Large Volume Bottling Solution

This automatic washing, filling, and capping line is specifically engineered for large-format bottles ranging from 3 to 7 liters. It features a robust stainless steel 304L construction to meet cGMP standards, ensuring high hygiene levels for food or chemical applications. The system integrates advanced OMRON PLC controls and specialized anti-foaming nozzles to deliver a precise, bubble-free filling process at speeds up to 1500 bottles per hour.

Performance Highlights

Key Performance Metrics

1500 BPH
Max Capacity

7 L
Max Bottle Volume

4 Pos
Work Positions

Technical Specifications

Machine Module Comparison

Feature	Washing Machine (DW-5L)	Filling & Capping (DFC-5L)
Capacity	800-1500 BPH	800-1500 BPH
Bottle Volume Range	3-7L	3-7L
Power Consumption	0.75 kW	0.75 kW
Voltage	N/A	220/380V
Air Supply Requirement	400L/min @ 8 Bar	600L/min @ 8 Bar

Control & Automation

Control System

- OMRON PLC central controller
- User-friendly text screen interface
- No-bottle-no-filling safety mechanism
- No-bottle-no-capping safety mechanism
- Adjustable torque capping head for various lid types

Material & Construction

Material Quality

Stainless Steel 304L • cGMP Compliant • Anti-Corrosive • Hygienic Design

Operational Features

Filling Technology	Shut-off nozzle with balance return system to prevent bubble formation.
Capping Heads	1