

1-5L Detergent Liquid Filling Machine With Capping and Labeling Optional

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: TOM
- Certification: CE/ISO9001
- Model Number: DGP-Z-6DL
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Packaging Details: 2300 mm(L)*2000 mm(W)* 2500 mm(H)
- Delivery Time: 30 working days
- Payment Terms: L/C, T/T
- Supply Ability: 25 Sets Per Month



Product Specification

- Filling Capacity: 1-5L
- Material: SUS 304 Or 316L
- Certification: ISO9001, CE, ISO, CE/ISO
- Applicable Industries: Detergent
- Machine Type: Weight Filling
- Filling Accuracy: +/-0.5%
- Cleaning: Easy-to-clean
- Control System: PLC (Programmable Logic Controller) With Touchscreen Interface



More Images



Our Product

Product Description

1-5L Automatic Laundry Liquid Filling Line

Product Introduction

The 1-5L Automatic Laundry Liquid Filling Line is a high-efficiency packaging solution specifically designed for the daily chemical industry. It is ideal for the filling of laundry liquid, fabric softeners, detergents, and other viscous liquids. The system is equipped with an intelligent PLC control system that integrates automatic bottle feeding, filling, capping, labeling, and finished product delivery, achieving fully automated production with high efficiency and filling precision.

Applications

This filling line is mainly used for packaging 1L-5L bottles of laundry liquid, and it is widely applicable to daily chemical factories, detergent manufacturers, and OEM factories.

Key Advantages

High Accuracy: Equipped with flow meters or weight-based filling systems, the filling accuracy is $\leq \pm 0.2\%$.

High Efficiency: Multi-head filling structure ensures fast filling speed and continuous production.

Smart Operation: PLC touch screen control system, adjustable parameters, and easy operation.

Strong Compatibility: Suitable for different bottle sizes from 1L to 5L, quick changeover between different bottle types.

Hygienic and Safe: Made of food-grade 304/316 stainless steel, resistant to corrosion, fully compliant with GMP standards.

Technical Specifications

Parameter	Value
Filling Range	1-5L
Filling Speed	1000-3000 bottles/hr
Filling Accuracy	$\pm 0.2\%$
Power Supply	AC220V/380V, 50Hz
Air Pressure	0.6-0.8MPa
Material	304/316 Stainless Steel

Process Flow

Bottle feeding → Automatic filling → Capping → Labeling → Finished product output → Quality check.

Operating Instructions

Connect power and air supply, check the system status.

Set the filling parameters and start automatic operation.

Regularly clean the filling pipelines to ensure hygiene and safety.

After-Sales Service

We provide one-year full warranty, lifetime technical support, and 24/7 online service. On-site installation and training are available.

FAQ

Q: Can this machine fill other liquids?

A: Yes, it can fill non-corrosive liquids such as dishwashing liquid, disinfectants, and other household chemicals. Customization is available for special liquids.

Q: Is it easy to change bottle types?

A: Yes, the machine is designed for flexibility, with easy bottle size changeover.



Packaging & shipping:



Case display area



Company gate



Panorama of the company



Case display area

Company Overview--Jiangsu Tom Group



Tom "The Little White House"

Jiangsu Tom Group is an enterprise specializing in the production of pesticide / veterinary medicine, fertilizer and chemical intelligent equipment. The factory covers an area of 150 acres and has a construction area of 120,558 square meters. It has 710 employees, 2 doctoral students, 30 master students, and 358 undergraduates. It has obtained ISO9001 quality system. Certification, ISO14001 Environmental Management System Certification, OHSAS18001 Occupational Health and Safety System Certification, CE Certification, Jiangsu Province Specialized Specialized New "Little Giant" Enterprise, Changzhou Specialized Specialized New Small and Medium Enterprise, 125 National Utility Patents and 26 National Inventions patent. Over the past 24 years, after the hard work of Tom people, Tom Group has continued to innovate and develop, keeping pace with the times, providing generations of advanced intelligent packaging equipment for more than 3,300 pesticide / veterinary medicine, fertilizer and chemical companies, and building Industry 4.0 intelligent factories for customers; Provide automated

three-dimensional warehouse; create smart factory production data acquisition and execution system (MES) for customers.



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