

Automatic Shampoo Filling Machine for Liquid Soap and Hair Care Products

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 Or 100-1000ml
- Material: SUS 304 Or 316L
- Certification: ISO9001, CE, ISO, CE/ISO
- Applicable Industries: Shampoo, Conditioner, Body Lotion, Liquid Soap, Essential Oil, Detergent, Cosmetic Cream
- Machine Type: Tracking Type Or Standard Linear Filling Machine
- Filling Accuracy: +/-0.5%
- Cleaning: Easy-to-clean
- Control System: PLC (Programmable Logic Controller) With Touchscreen Interface
- Bottle Type: Plastic Bottles, Glass Bottles, Round Or Flat Shape
- Viscosity Compatibility: Suitable For Viscous And Non-viscous Liquids



More Images



Product Description

Shampoo Filling Machine – Advanced Automatic Liquid Filling Solution Product Introduction

The shampoo filling machine is a state-of-the-art automatic liquid filling equipment specifically designed for the personal care and household products industry. It is suitable for both viscous and non-viscous liquids, making it ideal for filling shampoos, conditioners, shower gels, body lotions, essential oils, and liquid detergents.

This machine can be configured for standard fixed-point filling or upgraded to a high-speed tracking filling system, allowing manufacturers to achieve greater flexibility and efficiency.

Equipped with an intelligent PLC control system and touchscreen human-machine interface, it offers easy operation and quick

Our Product

parameter adjustments for filling volume, speed, and other process settings. Built with food-grade stainless steel (SUS304/SUS316L), the machine meets GMP and CE standards, ensuring product safety and hygiene. The machine supports a wide range of container sizes, from 50ml up to 1000ml bottles and even 1L to 5L large containers, making it perfect for high-volume production lines and OEM manufacturers.

Applications

Personal Care Industry: Shampoo, conditioner, shower gel, hair treatment, body wash
Cosmetics & Beauty Care: Essential oils, skin lotion, creams
Household Cleaning Products: Hand wash, floor cleaner, liquid soap
OEM / ODM Manufacturers: Multi-spec production with fast changeover

Key Advantages

Flexible Filling Options – Choose between standard fixed-point filling or high-speed tracking filling to maximize productivity.
Wide Compatibility – Suitable for 50ml to 5L bottles, including plastic, glass, and irregular shapes.
High Accuracy – Servo-driven piston pump system ensures filling accuracy of $\pm 0.5\%$, reducing product waste.
Handles Various Viscosities – Capable of filling both low-viscosity liquids and high-viscosity creams or conditioners.
Smart Automation – Features PLC control, touchscreen operation, no-bottle-no-fill function, automatic fault alarm, and CIP (Clean-in-Place) system.
Hygienic Design – Made with SUS304/SUS316L stainless steel to meet GMP and CE standards, ideal for export markets.

Technical Specifications

Item	Specification
Filling System	Piston type / Tracking type
Bottle Volume	50ml – 1000ml (small) & 1L – 5L (large)
Filling Speed	1000–8000 bottles/hour (depends on size)
Filling Accuracy	$\pm 0.5\%$
No. of Filling Heads	4 / 6 / 8 / 10 / 12 heads optional
Power Supply	220V/50Hz or 380V/50Hz
Power Consumption	2.5KW
Air Pressure	0.6–0.8MPa
Material	SUS304 / SUS316L stainless steel
Control System	PLC + Touchscreen

Production Process Flow

Bottle Feeding → Automatic Positioning / Tracking → Precision Filling → Bottle Neck Cleaning → Automatic Capping → Finished Product Output

Operating Instructions

Pre-start Check: Ensure power and air supply are properly connected; check filling pump and pipes for cleanliness.
Parameter Setup: Input filling volume, speed, and delay time via the touchscreen.
During Operation: The system automatically detects bottle presence (no bottle, no fill), and alerts for abnormal conditions.
Shutdown & Cleaning: Use CIP system for fast and thorough cleaning of pipelines and valves to maintain hygiene.

After-sales Service

Warranty: 12 months warranty with lifetime technical support.
Installation & Commissioning: On-site service available worldwide for installation and setup.
Technical Training: Free training for operation and maintenance, with video tutorials available.
Spare Parts Supply: Long-term supply of original spare parts to ensure uninterrupted production.

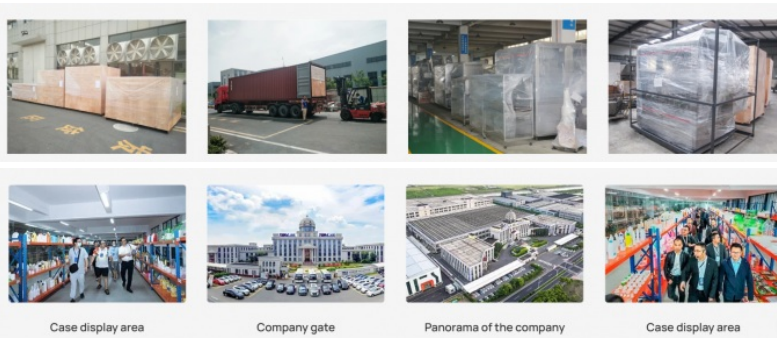
Frequently Asked Questions (FAQ)

- Q1: Can the machine fill different bottle sizes?
A1: Yes. It supports bottles from 50ml to 1000ml and even 1L–5L containers with quick and easy adjustments.
Q2: Can it handle thick conditioners or body lotions?
A2: Absolutely. The servo-driven piston pump system allows smooth filling of high-viscosity materials.
Q3: What is the difference between tracking filling and standard filling?
A3: Tracking filling allows bottles to be filled while moving, significantly increasing speed and efficiency for large-scale production.
Q4: Do you provide overseas installation service?
A4: Yes. Our engineers can travel globally for installation, commissioning, and operator training.





Packaging & shipping:



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 27 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.

TOM 汤姆 Jiangsu TOM Intelligent Equipment Co., Ltd.,

+86 13306111001

tech@cn-tom.com

tom-packs.com

No.99, Rulin Town, Jintan District, Changzhou City, Jiangsu Province, China.