

Automatic Sauces Filling Machine



The automatic piston sauce filling machine is designed specifically for the accurate and efficient packaging of various types of sauces, pastes, and viscous liquids. This machine is widely used in the food processing industry, as well as in other sectors such as pharmaceuticals and cosmetics, where precision and consistency in filling are critical.

1. **System Overview**

- **Piston Filling Technology**: The machine employs a piston filling mechanism, which is ideal for handling thick and viscous products such as sauces, ketchup, mayonnaise, and jams. The volumetric filling system ensures precise measurement of each fill, which is crucial for maintaining product quality and consistency.
- **Fully Automatic Operation**: The machine is designed for automatic operation, minimizing manual intervention. It integrates filling, capping, and sometimes labeling into one streamlined process, enhancing production efficiency.

2. **Filling Mechanism**

- **High Precision Filling**: The piston system allows for exact control over the fill volume, with adjustable settings to accommodate different product specifications. This ensures each container is filled accurately, reducing waste and maintaining quality.
- **Variable Filling Speeds**: The machine allows for adjustable filling speeds, accommodating various product viscosities and container sizes. This flexibility ensures optimal performance, regardless of the product being filled.

3. **User-Friendly Interface**

- **Intuitive Control Panel**: The machine is equipped with a user-friendly interface, typically featuring a touchscreen for easy operation. Operators can set parameters, monitor filling processes, and perform troubleshooting with ease.

- **Programmable Settings**: The machine can store multiple filling programs, allowing quick changeovers between different products or container types, which increases operational efficiency.

4. **Capping and Sealing Options**

- **Automatic Capping Mechanism**: Many models feature an integrated capping system that securely places caps on filled containers, ensuring a tight seal to prevent leaks and contamination.

- **Adaptability for Various Caps**: The machine can handle different cap types, including screw caps, flip-top caps, and jar lids, making it suitable for a wide range of products.

Application

- **Sauces**: The machine is ideal for a variety of sauces, including tomato sauce, barbecue sauce, and salad dressings, accommodating different consistencies and ingredient compositions.

- **Pastas and Condiments**: In addition to sauces, the machine is suitable for filling pastes, dips, and condiments, making it a versatile option for food manufacturers.

- **Other Industries**: Beyond food, the automatic piston sauce filling machine can also be used for cosmetic products like creams and ointments, as well as pharmaceutical liquids, where high viscosity is common.

Parameter

Number of filling heads:	2
Filling range:	100-1000ml
Filling speed:	1200-1800 bottles/hour
Measuring accuracy:	±1%
Power:	1.5KW
Voltage:	220V
Working air pressure:	0.6-0.7Mpa
Air consumption:	4-6m ³ /min
Machine size:	2000*1600*1800mm
Machine weight:	600kgs