

ZF8 PET Bottle Oil Filling Machine (Oil, Honey, Sauce)



An edible oil filling machine is a type of packaging machinery designed to automatically fill bottles or containers with edible oils. The machine uses a high-precision filling nozzle to dispense the oil into the containers with accuracy and consistency, minimizing waste and maximizing efficiency.

Edible oil filling machines come in various sizes and types, with different features and capabilities. Some machines can fill multiple types of containers, such as bottles, jars, or pouches, while others are designed for specific container types. They can also use different filling methods, such as gravity, volumetric, or piston filling, depending on the needs of the production line.

The process for using an edible oil filling machine typically involves the following steps:

1. **Preparation:** The machine is set up and calibrated based on the specifications of the containers and the type of oil being filled. This includes adjusting the filling volume, selecting the appropriate filling method, and ensuring the machine is clean and ready for use.
2. **Bottle feeding:** The containers are loaded into the machine's conveyor system, which moves them into position for filling.
3. **Filling:** The oil is pumped into the containers using the selected filling method, which could be gravity filling, volumetric filling, or piston filling. The filling nozzle is designed to accurately fill the containers with the correct amount of oil.
4. **Capping:** Once the containers are filled, the caps are automatically applied to the bottles, ensuring a secure seal.
5. **Labeling:** In some cases, the machine can also apply labels to the containers, providing information about the product, such as its brand, ingredients, and nutritional information.
6. **Quality control:** The containers are inspected for any defects or issues, ensuring that they meet the desired quality standards.

The process is automated and requires minimal human intervention, which helps to improve efficiency, reduce labor costs, and minimize the risk of human error. Edible oil filling machines are designed to be flexible, allowing for customization to meet the specific needs of each user.

Edible oil filling machines are used in a variety of industries that require the automated filling of edible oils into containers. Some common applications of these machines include:

1. Food and Beverage Industry: Edible oil filling machines are widely used in the food and beverage industry to fill containers with cooking oils, vegetable oils, olive oils, and other edible oils. They are used in bottling plants, canning facilities, and other food processing facilities.
2. Cosmetic and Personal Care Industry: Edible oil filling machines are also used in the cosmetic and personal care industry to fill containers with hair oils, massage oils, body oils, and other similar products.
3. Pharmaceutical Industry: Edible oil filling machines are used in the pharmaceutical industry to fill containers with edible oils that are used as active ingredients or as carriers for other ingredients.
4. Chemical Industry: Edible oil filling machines are also used in the chemical industry to fill containers with industrial oils, lubricants, and other similar products.

In general, any industry that requires the filling of containers with edible oils can benefit from using an edible oil filling machine. These machines offer fast, accurate, and efficient filling, minimizing waste and improving productivity while ensuring product quality and consistency.

Technical Parameters

Filling head	8 heads
Filling volume range	50-1000ml(Use 1000ml piston cylinder)
Production speed	≤1800 Bph basis on 1000ml bottle
Voltage	220v/380v
Power	3kw
Suitable bottle's diameter	Φ40mm-Φ100mm
Filling error	≤±1
Work pressure	0.55Mpa-0.65Mpa
Size	2000mm × 1400mm× 2500mm
Weight	1000kg