

Semi-automatic Aluminum Tube Filling and Sealing Machine



The semi-automatic aluminum tube filling and folding machine is designed for precise filling and sealing of aluminum tubes, catering to industries such as cosmetics, pharmaceuticals, food, and chemicals. This machine is suitable for packaging various types of semi-solid products, such as creams, gels, ointments, and adhesives. With reliable filling accuracy and efficient tube folding, it provides a robust and leak-proof seal that maintains product quality.

Key Features:

Accurate Filling System: Equipped with a precise filling nozzle that can be adjusted for different volumes, this machine ensures accurate dosing for each tube, minimizing product waste and maintaining consistency.

Folding Mechanism: After filling, the machine performs a secure folding of the aluminum tube tail, with options for single, double, or triple folds. This creates a tight seal that prevents leakage and ensures product integrity.

Material Compatibility: Designed to handle a wide range of paste and semi-viscous materials, such as pharmaceutical ointments, cosmetic creams, and food pastes. Contact parts are made of high-quality stainless steel, making it suitable for hygiene-sensitive products.

Adjustable Filling Volume: Allows operators to easily adjust the filling volume, offering flexibility for different tube sizes and product requirements.

User-Friendly Control Panel: Features a simple and intuitive interface with easy-to-use controls for filling volume, folding style, and start/stop functions. It also includes an emergency stop button for added safety.

Compact and Durable Design: Constructed from durable stainless steel, this compact machine is ideal for production environments with limited space. It ensures durability, ease of cleaning, and corrosion resistance.

Applications: This machine is suitable for small to medium-sized production batches in:

- **Cosmetics** – for creams, lotions, and ointments.
- **Pharmaceuticals** – for medicated creams, gels, and ointments.
- **Food** – for semi-viscous products like sauces or pastes.
- **Household Chemicals** – for adhesives and other household products in paste form.

Technical Specifications:

- Production Speed: 15-30 tubes per minute
- Filling Volume: Adjustable to fit various tube sizes (typically 5-200 ml)
- Tube Diameter: 10-50 mm
- Tube Length: 50-200 mm
- Material Contact Parts: Stainless steel
- Power Requirement: 220V / 50Hz