

Automatic Aluminum Tube Filling and Sealing Machine



The Automatic Aluminum Tube Filling and Folding Machine is a high-performance, fully automated system designed specifically for filling and sealing aluminum tubes in industries such as cosmetics, pharmaceuticals, food, and chemicals. This machine is ideal for medium to large-scale production, ensuring precision, speed, and reliability.

The machine performs several operations seamlessly in a continuous cycle, including tube feeding, filling, folding, sealing, and ejection. Aluminum tubes are automatically loaded onto the machine and accurately positioned for precise filling. The machine can be configured to handle a variety of product viscosities, from creams and pastes to semi-liquids, ensuring consistent and accurate filling volumes for every tube.

After filling, the machine performs a high-quality folding process at the end of each aluminum tube. This can include single, double, or triple folds depending on the product's requirements, securing the contents and creating a leak-proof seal. The folding process is controlled to ensure a clean, professional finish that enhances the product's appearance while maintaining integrity.

Key features include a touch-screen control panel for easy parameter adjustments, fast changeover for different tube sizes, and advanced sensors to monitor and detect issues such as tube misalignment or filling irregularities. Built-in safety features and error alarms provide extra protection, minimizing downtime and maximizing productivity. The machine is constructed with stainless steel and other high-quality materials for durability and compliance with hygiene standards, making it suitable for GMP-certified facilities.

The Automatic Aluminum Tube Filling and Folding Machine is a robust and efficient solution for manufacturers looking to enhance their production capacity and achieve high-quality, consistent results in aluminum tube packaging.

Parameter

Tube type:	Aluminum tube
Filling range:	A.6-60ml, B.10-120ml, C.25-250ml, D.50-500ml
Sealing type:	Folding sealing (2 folds, 3 folds)
Capacity:	1800-2400 tubes/hour
Number of work positions:	12
Safety protection:	overload protection
Filling nozzle:	Anti-drop
Filling accuracy:	±1%
Applicable tube diameter:	12-50mm
Applicable tube height:	50-250mm
Automatic detection function:	No work without tube
Tube loding:	Automatic
Air pressure:	0.6-0.7Mpa
Air comsumption:	0.3m3/min
Power:	3KW
Voltage:	380V/50Hz
Air consumption:	1-3m ³ /min
Machine size:	2600×1250×1980mm
Machine weight:	1100kgs