

Vertical Powder Filling and Packing Machine

This vertical machine is designed for filling and packing powdered materials, accommodating a range of densities. It precisely fills and seals bags or containers with materials like calcium carbonate and zinc oxide.



Overview

High-Precision Vertical Powder Packaging

This vertical powder filling and packing machine is engineered for the high-accuracy dosing and packaging of dense, fine powders such as chemical powders, detergent, and milk powder. Featuring a sophisticated dual-speed screw feeding system and high-sensitivity load sensors, it ensures consistent filling precision within 0.2% tolerance. Its robust, modular design supports integration into semi-automatic production lines with various sealing and conveying options, providing a cost-effective and hygienic solution for industrial bag filling.

Performance Metrics

Key Performance Metrics

360 bag/h

Maximum Capacity

50 L

Bucket Capacity

0.2 %

Accuracy Grade

Technical Data

Machine Specifications

Parameter	Value
Model	LCS-LS
Weight Range	10-50 kg
Gross Weight	500 kg
Dimensions	1130 * 950 * 2800 mm
Air Source	0.4-0.6 Mpa
Power Supply	220/380V

Features

Key Features

- Servo-driven pallet lifting for adjustable speed and zero leakage
- Advanced frequency-change spiral double-speed filling
- Compact seat structure design to minimize vibration interference
- Compatible with sewing, heating, or welding sealing methods
- High-sensitivity load cell sensors for superior weighing accuracy

Application

Supported Bag Types

Plastic woven bags • Kraft bags • Sacks • Paper-plastic compound bags • Barrels • Cartons

Compatible Materials

Light Calcium carbonate, Zinc Oxide, Bentonite, Coal powder, Talcum powder, Activated carbon, Putty powder