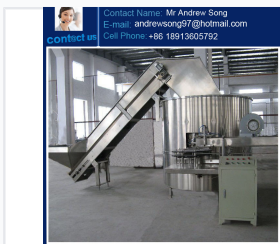


Automatic Bottle Sorting Machine

This machine automatically unscrambles and organizes disordered polyester bottles. It arranges them into a single line for efficient discharge via a vacuum conveyor.



ADDITIONAL IMAGES



Overview

High-Speed Automatic Bottle Unscrambling

This machine is designed to automatically orient and align disordered polyester bottles into a single line for seamless downstream processing. It features a high-speed operation that easily integrates with various filling production lines, significantly reducing manual labor. Equipped with PLC program control and a vacuum conveyor discharge, it ensures stable and efficient bottle handling for B2B packaging operations.

Key Features

System Features

- PLC program controlling with digital speed display
- High-speed operation compatible with all types of fillers
- Main motor speed reducer with torque limit mechanism to prevent machine damage
- Air conveyor system to prevent bottles from falling during transportation
- Stainless steel construction for durability and hygiene

Technical Specifications

Model Performance Data

Parameter	LP-1	LP-2	LP-3
Diameter (mm)	2450	2600	3000
Production Capacity (bph)	8000-10000	12000-15000	18000-24000
Gas Consumption (m ³ /min)	0.4	0.6	0.8
Gas Source Pressure	0.7 MPa		

Bottle Compatibility

Suitable Bottle Range

50 mm

Min Diameter

90 mm

Max Diameter

150 mm

Min Height

290 mm

Max Height

Operational Safety

Safety Features

Torque Limit Mechanism, PLC Control, Vacuum Conveyor, Air Conveyor Protection

Applications

Target Industries

Food & Beverage • Pharmaceutical • Chemical Packaging