

High Speed Spider Bottle Unscrambler Machine For Precise Empty Bottle Placement

Our Product Introduction

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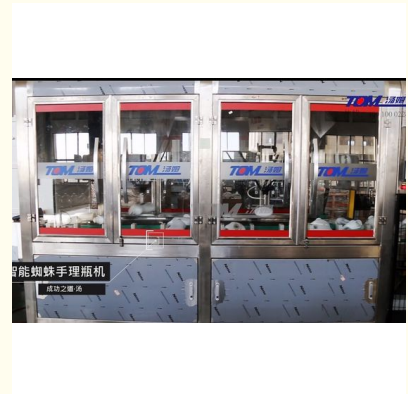
Basic Information

- Place of Origin: China
- Brand Name: TOM
- Certification: ISO9001:2000, ISO14001, OHSAS18001, CE, CO
- Model Number: LPZ
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Delivery Time: 30 working days
- Payment Terms: L/C, T/T
- Supply Ability: 20 per month

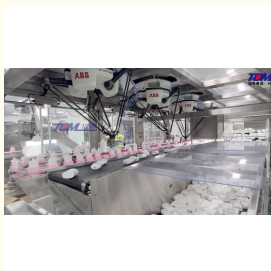


Product Specification

- Repeated Positioning Accuracy: $\pm 0.1\text{mm}$
- Max Speed: 6 M/s
- Max Acceleration Speed: 80 M/s²
- Speed: 75-150 Times/min
- Noise Level: <70dB
- IP Grade: IP56
- Vibration: 4.9m/s², 0.5g
- Rated Power: 9.0kw
- Power Input: 380VAC Three Phase Five Wire System, Zero Wire-ground Separation, Wire Diameter $\geq 2.5\text{mm}^2$
- Gas Input: 0.5-0.6MPA
- Yield: 3000-3600 Bottles/h/spider Hand
- Highlight: Empty Bottle Placement Unscrambler Machine, High Speed Bottle Unscrambler Machine, Precise Empty Bottle Placement Unscrambler



More Images



Overview:

The bottle unscrambler transports the empty bottles lying flat on the conveyor belt. Through image recognition technology, it correctly grasps and places them in the designated direction on the product conveyor belt according to the set program, ensuring that the empty bottle mouth is facing the same direction, and then the product conveyor system transports them to the entrance of the filling machine.

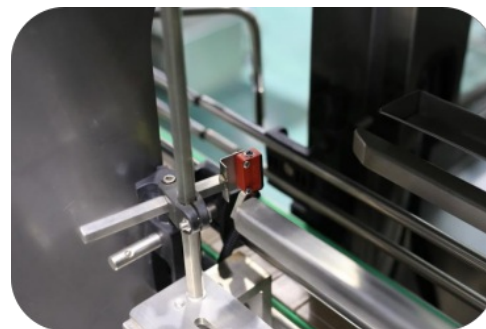
Advantages:



1. It is mainly composed of rack frame, electronic control panel, movable safety door, glass side door, operation panel, side sealing plate and other components. The rack frame is composed of carbon steel welded components and bolted connections.



2. The electrical control cabinet is welded with carbon steel material, and the protection level after sealing reaches IP55 standard.



3. It is mainly used to install electrical components such as inverters and plugs. The movable safety door is made of transparent PC board material, and the internal situation of the machine can be clearly seen during operation; The movable safety door is equipped with a safety protection device to ensure that the machine will immediately stop running when the door is opened, protecting personnel safety! When the door is not fully closed, the machine cannot operate, preventing accidental actions and ensure personal safety. The glass side door can prevent personnel from entering the interior of the machine during operation.

Empty bottle feeding hopper



Used for storing empty bottles, manually pour the empty bottles into the feeding hopper, and the feeding hopper automatically sends bottles according to the needs of the automatic bottle feeding machine. The capacity of the feeding hopper can accommodate 850 (500ml) irregularly placed empty bottles, meeting the buffering requirements of the feeding system for continuous operation for 15 minutes. When the sensor in the bottle sorting machine detects that the number of bottles has reached the set quantity, the bottle feeding machine stops working. Used in conjunction with the bottle sorting machine, it automatically send up the bottles when there's no bottle in bottle sorter and stops automatically when there are enough bottles, achieving automated control. According to production needs, constantly variable speed can be achieved. The main components of the machine are made of high-quality 304 stainless steel.

Visual detection system

The automatic bottle feeding machine transports the empty bottles lying flat on the conveyor belt through image recognition technology according to the set program, correctly grasps and places them in the appropriate direction on the product conveyor belt to ensure that the empty bottle mouth is facing the same direction, and then the product conveying system transports them to the entrance of the filling machine.



The reverse bottles recognition function can automatically remove the reverse bottles.

Packaging & Shipping:

The machine is packed by non-fumigation wooden case, and for keeping the wooden case more secure, we inserted the iron support inside wooden case, makes it suitable for long-term sea delivery.



Company Overview--Jiangsu Tom Group

Jiangsu Tom Group factory covers an area of 150 acres and has a construction area of 120,558 square meters. It has 710 employees, 2 doctoral students, 30 master students, and 358 undergraduates. It has obtained ISO9001 quality system. Certification, ISO14001 Environmental Management System Certification, OHSAS18001 Occupational Health and Safety System Certification, CE Certification, Jiangsu Province Specialized Specialized New "Little Giant" Enterprise, Changzhou Specialized Specialized New Small and Medium Enterprise, 125 National Utility Patents and 26 National Inventions patent. Over the past 24 years, after the hard work of Tom people, Tom Group has continued to innovate and develop, keeping pace with the times, providing generations of advanced intelligent packaging equipment for more than 3,300 chemical companies, and building Industry 4.0 intelligent factories for customers; Provide automated three-dimensional warehouse; create smart factory production data acquisition and execution system (MES) for customers.



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