

BOTTLE UNSCRAMBLE - 2AZURYLP30BU



Technical Specifications: Bottle Unscramble

Description

The device is composed of carrying bottle part, bottle arrangement turntable, main bottle arrangement part, electronic control unit and pneumatic device.

A large amount of disorganized bottles is involved in bottle arrangement turntable, which is sent by carrying bottle part, and then conveyed to bottle arrangement part by the belt so as to the bottles can be stood and transferred to the user's conveyor in an organized way.

Bottle storage part can store a great number of bottles and is able to convey the bottles to bottle arrangement turntable. The speed of conveyor line can be adjusted by potentiometer of electrical box. Motor on and off can be controlled by photo electricity, which is external set on the cover of turntable.

Disorganized bottles are led to the margin of the turntable and the transferred to bottle arrangement part by the centrifugal action of the turntable when the bottles are placed on then turntable. The adjustment of the turntable is determined by the bottle type and size. The speed of turntable can be adjusted by potentiometer of electrical box. The speed of turntable, carrying bottle conveyor and response time of photo electricity on the cover should be coordinated, which guarantee the bottles enter bottle arrangement part regularly.

Bottle Unscrambler – Model: 2AZURZYLP30BU

Machine Features:

- With adjustable speed of the turntable and conveyor line, the machine can meet different production level flexibly. This wrap around case packer is suitable for packaging regular beverage
- Can be connected with production line
- Photo electricity control marks machine operation in a stable condition
- Reasonable framework
- High efficiency and energy saving
- Easy maintenance

Basic information:

Standard capacity:	350 bpm (Depending on the bottle size)
Qualification rate:	≥99.5%
Bottle height range:	80~280mm (can be customized)
Bottle dia range:	φ40~φ85mm (can be customized)
Total power:	3.16Kw
Running power:	60%-80%
Air pressure:	≥0.6MPa (without oil and water)
Air consumption:	≥0.8m ³ /min
Power supply:	3+N+PE 50Hz 380/220V±10% (Can be customized)
Carrying bottle part size (about):	L2100×W1100×H1600mm
Machine diemension (about):	L2500×W2200×H1600mm
Weight (about):	800kg.
Bottle material:	HDPE/PP/PS

Equipment Explanation:

Main working process:	Automatically feeding the bottles-> Bottle arranging->output the bottles
Machine structure:	Main frame, bottle arrangement turntable, main bottle arrangement part, electronic control unit and pneumatic device.

Main frame:	High quality stainless steel plate, stanchion, supporting unit and coaming, which is in a quality of good mechanical intensity. The machine adopts enclosed design.
Driven system of the turntable:	The main motor is controlled by frequency converter and the speed can be adjusted within production capacity. Gear driven system can transfer the power to the running part.
Pneumatic system:	Three joint pneumatic parts. Low pressure protector, which guarantee the air pressure of the system. Integrated electromagnetic valve. Joint and air pipe etc .
Electrical control system:	High performance PLC, display various controlling information, status inspection information and warning information. Humanized operation interface and display warning information timely. Machine power is in phase sequence with a lack phase inspection and protection warning circuit. Referenced station running status and position inspection warning circuit. Emergency stop button is set in necessary parts.

Electrical configuration:

Reducer	Meiwa	China
PLC	Siemens	Germany
Touch screen	Siemens	China
Inverter	Schneider	French
All low voltage electrical parts	Schneider	French
Warning light ,button and switch:	Siemens APT	Germany

Note: Because of technical adjustment, we may make some change for certain systems, components and parameters, please understand that we cannot inform you additionally.