

JLP-2000 Automatic Bottle Unscramble Machine



JLP-2000 serial full-automatic bottle unscrambler is the support equipment for the soft beverage filling equipment, applicable for the orderly arrangement of messy PET bottles and the delivery of them to production line.

The frame is made of excellent stainless steels; and other parts, non-toxic and durable materials. The adopted key parts of the electric and pneumatic systems are famous brands. The whole process is controlled by PLC, so the machine has a low fault rate but a high reliability.

Worker process:

Bottle warehouse→Bottle storage bucket→Slide→Output→Air conveyor

Work principle:

Our machine according to the principle of orthocenter and eccentricity.

The bottle from bottle hopper to host machine by the elevator. During the process of rotation The bottle neck are the same direction because the eccentricity effect. The bottle vertically Down. Then output this is work way of machine.

As the bottle vertically down, so the work unit position small, and take up the small location. The machine has many work units all the work units output bottles in the same time. So the machine speed is very quickly.

In the market, the bottle unscramble work theory is that, the bottle horizontally enter the machine internal. When the bottle neck are not the same the direction, then use the hook lay the other place, and restart the bottle unscrambling.

As the horizontally way, so one work unit take up the bigger location, the whole machine has the lesser the work unit. only one work unit output bottles. So the speed is lower. If the speed up to big number. the machine work unit need to many and the whole machine size and weight is very big. So the cost is very high, generally, the water and beverage factory cannot accept.

Parameter:

- Product speed (b/h): 12000--30000
- Suitable for bottle diameter (mm): ϕ 28- ϕ 125
- Size : ϕ 2000mm-H1800mm
- Suitable for bottle height (mm):150mm-340mm
- Weight(KG):约 1300 KG
- Power: 3-4KW
- Air Pressure : 0.6Pa