

## Horizontal Round Bottle Labeling Machine KP-250



For standing firm circular cylindrical objects, semicircular labeling, the use of horizontal transmission, horizontal labeling way to increase stability, improve the labeling efficiency.

Optional printer or inkjet printer head to the labeling, can be realized on the label printing production date, batch and print barcodes and other information.

Optional inkjet printer to a conveyor belt, can be realized before or after labeling labeling on the product printing production date, batch number, bar code and other information.

### Application

1. For label: self-adhesive labels, self-adhesive film, electronic supervision code, bar code, etc.
2. Applicable products: circumferential surface or a small cone attached to the surface membrane of the small label or product.
3. Industry: Widely used in medicine, cosmetics, electronics, metal, plastics and other industries.
4. Application: Glue bottle labeling, oral liquid bottle labeling, labeling pen, lipstick labeling and so on.

### Working Process

\* Core works: the product of separate round bottle, put on the conveyor belt, the sensor detects the product passes the signal returned to the labeling control systems in place to control the corresponding motor control system sends label affixed to the product and to be posted cursor position, the product flows through the overlying standard device, covered with a standard drive product rotation, the label is roll coating, a label attached to the action is completed.

\* Procedure: put the product (put in the blanking box) -> separated from the product and spread out into the middle roller conveyor-> Product delivery -> Product Testing -> Labeling -> cover marked -> collect the labeling products.

### **Technical parameters:**

- ◆ Suitable label length (mm): 20mm ~ 100mm
- ◆ Applicable Label width (backing paper width / mm): 20mm ~ 130mm
- ◆ Applicable Products diameter (for round bottle): OD  $\phi$ 10mm ~ 30mm
- ◆ Applicable standard roll diameter (mm):  $\phi$ 280mm
- ◆ Applicable standard roll diameter (mm):  $\phi$ 76mm
- ◆ Labeling accuracy (mm):  $\pm$  0.5mm (excluding packaging and labeling errors)
- ◆ The standard speed (m / min): Stepping: 5 ~ 19m/min, Servo: 5 ~ 25m/min
- ◆ Labeling speed (pcs / min): Step: 100 ~ 250pcs/min, Servo: 150 ~ 400pcs/min
- ◆ Conveyor speed (pcs / min): 450pcs/min
- ◆ Weight (kg): about 200kg
- ◆ Frequency (HZ): 50HZ
- ◆ Voltage (V): 220V
- ◆ Power (W): 1020W (traction stepper) , 1470W (traction servo)
- ◆ Device dimensions (mm) (L  $\times$  W  $\times$  H): 2050mm  $\times$  650mm  $\times$  1450mm

### **Features**

1. Speed, with lateral roller conveyor mechanism inclined conveyor, bottle automatically turn positive, transport labeling stability. Labeling speed up to 400 bottles / minute, saving a lot of manpower and material resources;
2. Broken bottles is low, the application of flexible technology and a flexible cover of bottle labeling technique, divided bottle labeling smooth, broken bottles rate of less than one hundred thousandth;
3. Labeling quality, with a detour correction using standard techniques, labels affixed to coincide with the head and tail on high; rub roll-covered standard, labeling flat, no wrinkles, no bubbles, improve the quality of packaging;
4. High stability, Delta PLC + touch screen + Japan Keyence Electric label sensor composed of advanced electronic control systems, support equipment 7  $\times$  24 hours at high speed;
5. Intelligent control, automatic photoelectric tracking, with no object no labeling, no label auto-correction and auto-detection function labels, stickers and labels to prevent leakage of waste;
6. Solid health mainly made of stainless steel and high-alloy steel, meet GMP production, solid structure, beautiful appearance;
7. With fault alarm function, production counting function, power saving features, the production number setting prompts, parameter setting protection function to facilitate the production and management;