



CP-100 / CP-20D Automatic Vial Capping Machine



Since 1964's, Shun Yi Machinery & Engineering Co., Ltd. has been recognized throughout the pharmaceutical industry for leadership in the design and manufacture of high performance injectable machineries. The Model CP-100 / CP-20D Automatic Vial Capper is designed either to couple with a vial filling & stoppering machine to complete an in-line operation or to operate independently. It is a reliable cap closing machine to apply aluminum seal to serum vial at speeds up to 120 units per minutes. It operates on an intermittent motion principle and features readily adjustable rollers to perform the sealing function.

Intake & Discharge Conveyers

Durable stainless steel wire woven belt together with easily adjustable rails, guides, and a timer finger ensure smooth movement of vials from entrance to exit of the machine. Glass breakage is easily avoided by actuating a microswitch to stop machine immediately in case of a bottle jam.

Intermittent Starwheel

Stepper motor transports vials from intake & capfeed to sealing & exit positions in smooth & exact manner. With stepper motor, it will be easily stop the drive should bottle be caught or jammed between bottle rest or sealing head and starwheel, thus preventing glass breakage.

Vibratory Feeder

Stainless steel polished vibratory bowl provides quiet & smooth selection and feeding of aluminum caps without deformation & damage. Vibration intensity is infinitely adjustable thus proper cap feeding speed is guaranteed.

Sealing Head

Effective cap sealing of vials is achieved with one spring-loaded spinning roller that seal independent of the top pressure applied to the cap. Fine adjustment of top pressure and side roller pressure ensures through HMI.

Other important features

- * Easy adjustment with Stepper motor, you can adjust the data through HMI without operator involved.
- * quick & easy changeover of accessories
- * electrodynamic braking system for quick emergency stops
- * easy to clean & to maintain
- * stable & rugged construction ideal for long term usage

Specifications

- Closure size: 13-20mm aluminum caps
- Operating speeds: Up to 100 bottles per minute
- Conveyer:
 - From left to right direction; height adjustable from 818mm to 850mm;
 - length at 900mm; stainless steel, woven closelink type;
- Bottle sizes:
 - Min. dia. 15mm Min. height 30mm
 - Max. dia. 52mm Max. height 100mm
- Motor drive: 1 Hp. AC motor with stepless speed control; 220V, 50/60Hz, 1 phase;
- Dimensions: L1207 x W1220 x H2236(mm)