



HMPL-SCM Automatic Rotary Screw Cap Sealing Machine



Screw Capping Machine is the well-known product of Harikrushna Machines Pvt. Ltd. (HMPL). The Automatic Rotary Screw Cap Sealing Machine consists of a main stainless steel structure, product transmission belt with an adjustable guide, in-feed screw, star plate, sealing heads, vibratory bowl for caps, cap delivery chute, product's height adjustment screw, safety acrylic cover (OPTIONAL), electrical panel, motor, sensors & AC drive. The Automatic Screw Cap Sealing System consists of a main structure, product transmission belt, in-feed screw, star wheel & guide, cap sealing head, vibratory Bowl, cap delivery chute, electrical panel, motor, sensors, AC drive & mains ON/OFF.

Features

- The machine is manufactured or developed per GMP standards.
- The frame structure & base plate of MS painted cladding and doors of SS 304.
- Rigid vibration-free construction for trouble-free performance.
- SS elegantly matt-finished body.
- Conveying system to convey the product with an easily adjustable side guide.
- Self-lubricating UHMW-PE guide profile for SS slat chain provides low friction wear surface, smooth and noiseless conveying.
- MS powder coated or electroless nickel plating of all exposed parts to ensure long life and resistance against corrosion.
- There is a specially designed vibratory bowl and chute with no cap sensors for the continuous flow of the cap.
- The chute will have rigid mounting & cap pickup arrangement from SS material.
- Adjustable height of the conveyor belt to align with other machines of the line.
- Single motor synchronizes conveyor, star wheel, & platform turret.
- Change parts are required for different products.
- No bottle no cap arrangement.
- No cap on the chute vibrator & Machine stops.

- Clutch Overload – Machine Stop.
- Universal coupling for quick and easy setting of in-feed screw.
- Low noise level, low power consumption.
- Manually adjustable (increase & decrease) mechanical torque (magnetic clutch) heads system.
- Fix the set pin for the star wheel.
- Mechanical stopper to stop incoming bottles.
- Very little mechanical adjustment is required due to the special design.
- User-friendly and very little maintenance required.
- Star wheel & Guide MOC: UHMW nylon.
- Most reliable and proven components such as electrical/electronic such as AC motor, AC Drive, Sensor, MCBs & relay “CE” certified.

Technical Data

Bottles Shape & MOC	Round Glass/PET Bottles
Bottle Volume	10 ml to 5000 ml Bottles
Type of Cap	Screw Cap
Cap Size	25 OR 28 mm
Cap Feeding System	Vibratory Bowl with Suitable Cap Chute
Capping Head Type	Plastic Screw Cap
Output Speed	Up to 120 Bottles/Minute (Depending on cap and product size)
Direction of Movement	Left to Right
No. of Sealing Head	4 Nos.
Power Supply	Three Phase + N + E /415 V AC/50 Hz
Height of Conveyor	875 ± 50 mm Adjustable
Net Weight Approx.	450 Kg.
Dimension Approx.	1830 mm L x 720 mm W x 1650 ± 50 mm H
Change Parts Required	(A) Bottle: In-Feed Screw, Star Wheel & Center Guide
	(B) Cap: Vibratory Bowl, Delivery Chute & Cap Jaw